Regency Centers

# Soil Vapor Intrusion Investigation Summary

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

July 31, 2025

Version 2.0

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Carmel, New York
NYSDEC Site Number V00104

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# Acronyms

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

# 1 Introduction

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

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

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

Version 1.0 of the *Soil Vapor Intrusion Summary Report (Report)* was submitted to NYSDEC and NYSDOH on January 24, 2025. The NYSDEC, in communication with NYSDOH, disapproved the *Report* in a letter dated April 25, 2025. A copy of the letter is included as **Appendix A**.

On May 27, 2025, GES, Regency Centers, NYSDEC, and NYSDOH discussed the *Report* disapproval and site history. A *SVI Summary Report Follow-up* memo was prepared and submitted to NYSDEC and NYSDOH following the May 27, 2025 discussion, summarizing the historical site data and SSD System performance. Included in the memo were revised recommendations for the operation of the SSD System and future SVI investigation events. A copy of the memo is included as **Appendix A**.

The NYSDEC, in an email dated July 17, 2025, approved the request to shut down and cap the three (3) SSD systems at Europa Pizza, Carmel Nails, and Chinatown Restaurant tenant spaces. Additionally, the NYSDEC confirmed a SVI investigation shall be completed at all four (4) tenant spaces at the site during the 2025/2026 heating season with the one (1) remaining SSD system at Electric Paradise Tanning shut down 30 days prior to sampling. A copy of the email is included as **Appendix A**.

# 2 Site Information

## 2.1 Site Location

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

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

- North: Commercial properties, including a monument maker for the neighboring cemetery.
- Northeast: Commercial properties, including a gas station.
- South: Commercial properties, including a strip mall.
- West: Cemetery
- East: Apartment complex

## 2.2 Current Use

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

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

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

## 2.3 Remediation History

Lauren's Dry Cleaner and A&A Cleaners are noted as the historic tenants of concern in the shopping center and their historical operations resulted in Tetrachloroethene (PCE) contamination at the site. Site investigation activities were conducted between 1994 and 2004. During the investigation, a source area was identified beneath the concrete slab of the dry cleaner tenant space. The source area dimensions were noted as approximately 8 feet (ft) by 12 ft, to a depth of approximately 3 to 4 feet below grade (fbg). Approximately 49.66 tons of PCE impacted soil was excavated and removed for disposal off-site. Confirmation soil borings were completed subsequent to the excavation activities and indicated the presence of residual PCE contamination

beneath the building slab. A soil vapor extraction (SVE) system was installed to remediate the residual PCE impacted soil. The SVE system was shut down when monitoring of the SVE system indicated that remediation of the PCE impacted soils was complete. Following the SVE system deactivation, SSD systems were installed in 2010 for the purpose of preventing potential residual contamination of PCE beneath the concrete slab from impacting indoor air quality. A deed restriction was executed and recorded to restrict land use and prevent future exposure to any contamination remaining at the site. A Site Management Plan (SMP) is also in place for the long term management of remaining contamination with the SSD systems acting as the engineering control (EC) for the specific tenant spaces.

# 3 Scope of Work

All activities described in this report were completed in accordance with published NYSDOH guidance for evaluating SVI in the State of New York. This effort was undertaken to determine the actions recommended to address current and potential exposures related to SVI as outlined in the Soil Vapor/Indoor Air Matrices A through C (May 2017) and Matrices D through F (February 2024). SVI investigation activities were also completed in accordance with the revised December 22, 2023 SVI Work Plan approved by the NYSDEC on January 10, 2024.

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

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

**Table 1 – Sub-Slab Vapor Point Locations**

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

# 4 Pre-Sampling Requirements

## 4.1 SSD System Shutdown

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

## 4.2 Pre-sampling Inspection and Preparation of Properties

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

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

### 4.2.1 Product Inventories

In accordance with the 2006 NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document, GES completed a product inventory survey to document any potential or known sources of VOCs that may be present within each tenant space during sample collection. Items that were evaluated during the product inventory survey included, although were not limited to, the use and/or storage of chemical products. The NYSDOH *Indoor Air Quality Questionnaire and Building Inventory* includes a Product Inventory Form which is provided in **Appendix B**.

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

### 4.2.2 Quality Assurance/Quality Control

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

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

**Table 2 – Screening Results**

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

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

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

# 5 Soil Vapor Intrusion Sampling

## 5.1 Sampling Event

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

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

**Table 3 – Sampling Summary**

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

## 5.2 Sample Collection

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

### 5.3 Sample Integrity

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

### 5.4 SSD System Restart

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

## 6 Results

### 6.1 Product Inventory

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

The following products were identified with measured PID results:

#### 6.1.1 178 Route 52 – Europa Pizza

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

#### 6.1.2 176 Route 52 – Carmel Nails

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

#### 6.1.3 174 Route 52 – Electric Paradise Tanning

- Australian Gold Disinfectant Sanitizer – PID response of 150 ppb
- Berkely Jenson dryer sheets – 160 ppb
- The dryer vent, which exhausts into the tenant space – PID response of 150 ppb
    - The dryer vent exhaust may be skewing results of the indoor air data.

#### 6.1.4 170 Route 52 – Chinatown Restaurant

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

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

## 6.2 Analytical Results

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

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

- Acetone
- Chloroform
- Methylmethacrylate

Compounds for all indoor air samples were below the NYSDOH Air Guideline Values (AGVs) from Table 3.1 of the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* document.

The upper fence indoor air values and AGVs pertain to indoor air samples only, not sub-slab vapor samples.

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

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

### 6.2.1 178 Route 52 – Europa Pizza

#### 6.2.1.1 SS-1 and IA-1

- Concentrations of Matrix A COCs [1,1-dichloroethene (1,1-DCE), carbon tetrachloride, cis-1,2-dichloroethene (c12-DCE), and TCE) ranged from non-detect to 0.56 micrograms per cubic meter (µg/$m^3$) (carbon tetrachloride, IA-1) and result in a *No Further Action* recommendation.
- Concentrations of Matrix B COCs [1,1,1-trichloroethane (1,1,1-TCA), methylene chloride, and PCE] ranged from non-detect to 12 µg/$m^3$ (PCE, SS-1) and result in a *No Further Action* recommendation.
- Concentrations of Matrix C COC (vinyl chloride) were non-detect and result in a *No Further Action* recommendation.
- Concentrations of Matrix D COCs (benzene, cyclohexane, ethylbenzene, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene,

2,2,4-trimethylpentane, and o-xylene) ranged from non-detect to 6.4 µg/m$^3$ (benzene, IA-1) and result in a *No Further Action* recommendation.

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

#### 6.2.1.2 SS-2 and IA-2

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

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

### 6.2.2 176 Route 52 – Carmel Nails

#### 6.2.2.1 SS-3 and IA-3

- Concentrations of Matrix A COCs ranged from non-detect to 0.63 µg/m$^3$ (carbon tetrachloride, IA-3) and result in a *No Further Action* recommendation.

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

#### 6.2.2.2 SS-4 and IA-4

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

The laboratory reporting limit (RL) was elevated on sample IA-4. SGS reports that the initial acetone result exceeded the linear dynamic calibration range with dilutions made accordingly. Nail salon operations include the use of acetone, which was identified present during the product inventory review. The constituent of concern analytical data for Carmel Nails tenant space (#176 Route 52, Carmel, NY) is summarized on **Table 5**, **Table 6**, and **Figure 4**.

### 6.2.3 174 Route 52 – Electric Paradise Tanning

#### 6.2.3.1 SS-5 and IA-5

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

#### 6.2.3.2 SS-6 and IA-6

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

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

### 6.2.4 170 Route 52 – Chinatown Restaurant

#### 6.2.4.1 SS-7 and IA-7

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

#### 6.2.4.2 SS-8 and IA-8

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

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

## 7 Summary & Recommendations

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

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

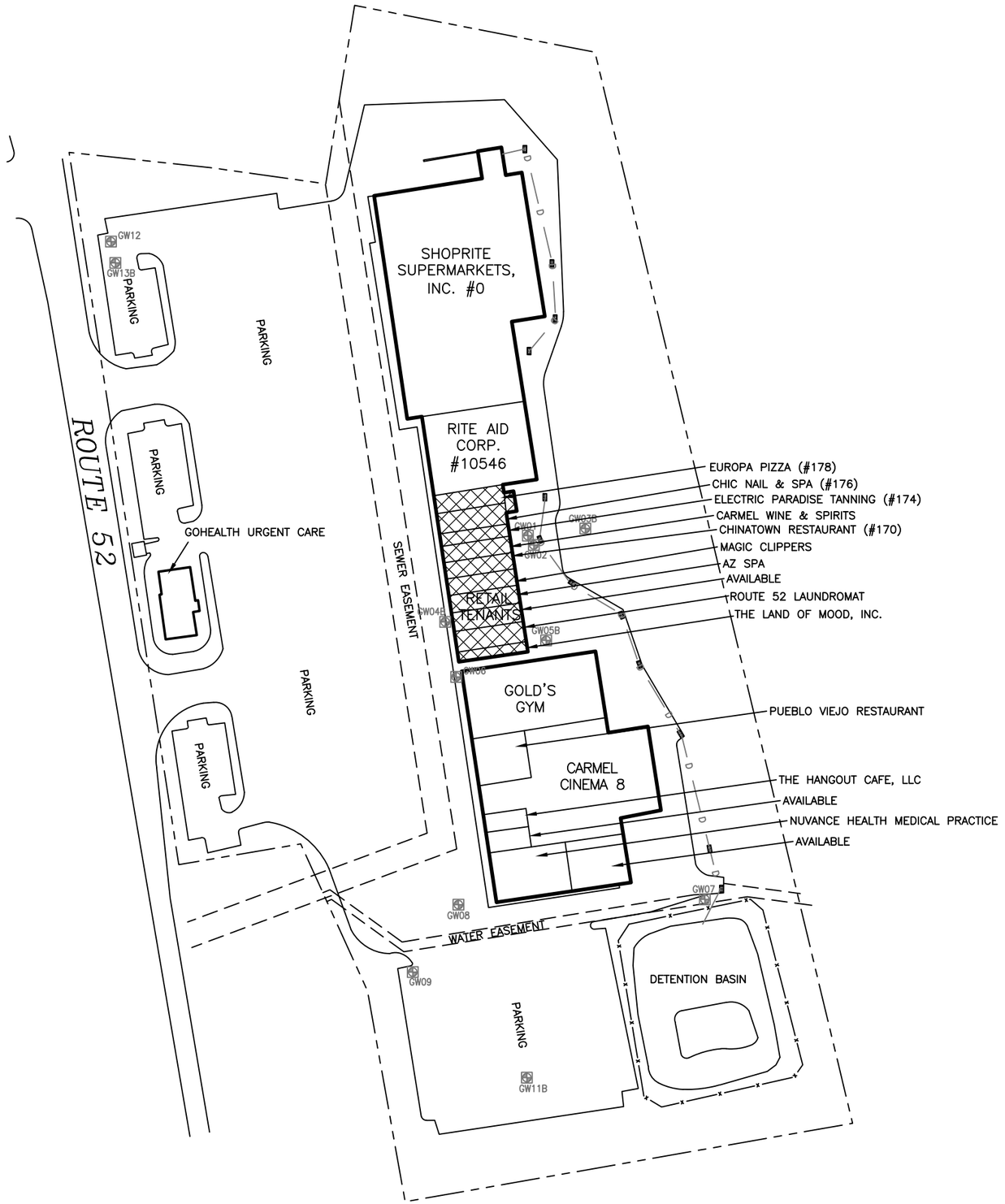
Based on the NYSDEC Soil Vapor/Indoor Air Decision Matrices A through C comparison, a ***No Further Action*** recommendation for all locations resulted with the exception of Electric Paradise Tanning (#174 Route 52, Carmel, NY). This outcome was based on the detection of PCE at SS-6 (1,040 µg/m$^3$),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

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

**Table 7 – Recommendations**

| Tenant Space Location | Recommendation |
|---|---|
| **178 Route 52 – Europa Pizza** | Complete an additional SVI sampling event (including sub-slab, indoor air) sample collection, per the approved SVI workplan, during the next heating season. Per the July 17, 2025 email from NYSDEC, the SSD system will be shut down and capped during the 3rd quarter 2025. |
| **176 Route 52 – Carmel Nails** | Complete an additional SVI sampling event (including sub-slab, indoor air) sample collection, per the approved SVI workplan, during the next heating season. Per the July 17, 2025 email from NYSDEC, the SSD system will be shut down and capped during the 3rd quarter 2025. |
| **174 Route 52 – Electric Paradise Tanning Salon** | Complete an additional SVI sampling event (including sub-slab, indoor air) sample collection, per the approved SVI workplan, during the next heating season. Continue SSD operation. |
| **170 Route 52 – Chinatown Restaurant** | Complete an additional SVI sampling event (including sub-slab, indoor air) sample collection, per the approved SVI workplan, during the next heating season. Per the July 17, 2025 email from NYSDEC, the SSD system will be shut down and capped during the 3rd quarter 2025. |

# Figures




## LEGEND

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

Site Map

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

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

Date
01/21/25
Figure
2

Scale In Feet
0 150

Groundwater & Environmental Services, Inc.

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Sample Location Map

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

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

Date
01/21/25
Figure
3

Scale In Feet
0 20

Groundwater & Environmental Services, Inc.

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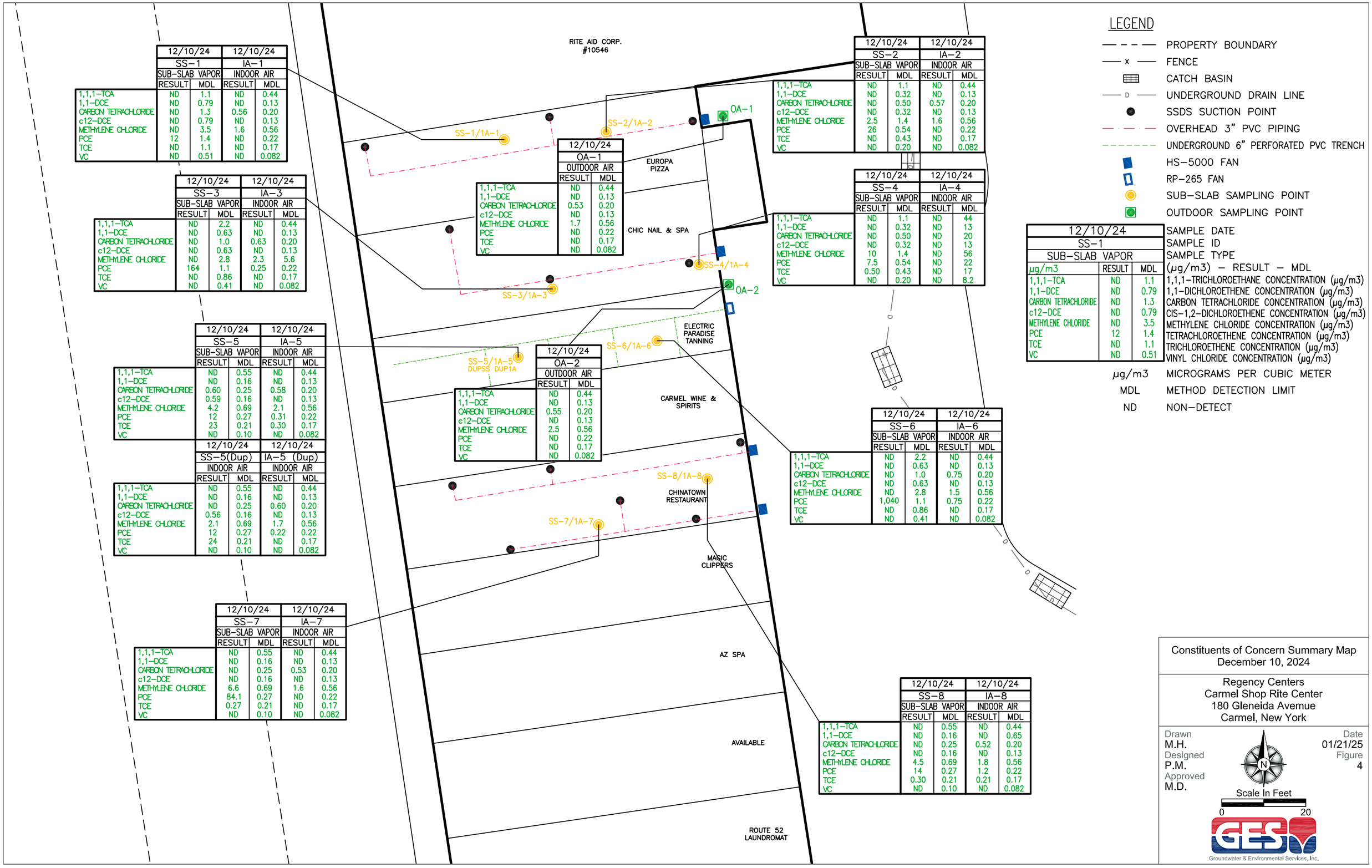


| 12/10/24 | 12/10/24 |
|---|---|
| SS-1 | IA-1 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 1.1 | ND | 0.44 |
| 1,1-DCE | ND | 0.79 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 1.3 | 0.56 | 0.20 |
| c12-DCE | ND | 0.79 | ND | 0.13 |
| METHYLENE CHLORIDE | ND | 3.5 | 1.6 | 0.56 |
| PCE | 12 | 1.4 | ND | 0.22 |
| TCE | ND | 1.1 | ND | 0.17 |
| VC | ND | 0.51 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-3 | IA-3 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 2.2 | ND | 0.44 |
| 1,1-DCE | ND | 0.63 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 1.0 | 0.63 | 0.20 |
| c12-DCE | ND | 0.63 | ND | 0.13 |
| METHYLENE CHLORIDE | ND | 2.8 | 2.3 | 5.6 |
| PCE | 164 | 1.1 | 0.25 | 0.22 |
| TCE | ND | 0.86 | ND | 0.17 |
| VC | ND | 0.41 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-5 | IA-5 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 0.55 | ND | 0.44 |
| 1,1-DCE | ND | 0.16 | ND | 0.13 |
| CARBON TETRACHLORIDE | 0.60 | 0.25 | 0.58 | 0.20 |
| c12-DCE | 0.59 | 0.16 | ND | 0.13 |
| METHYLENE CHLORIDE | 4.2 | 0.69 | 2.1 | 0.56 |
| PCE | 12 | 0.27 | 0.31 | 0.22 |
| TCE | 23 | 0.21 | 0.30 | 0.17 |
| VC | ND | 0.10 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-5(Dup) | IA-5 (Dup) |
| INDOOR AIR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 0.55 | ND | 0.44 |
| 1,1-DCE | ND | 0.16 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 0.25 | 0.60 | 0.20 |
| c12-DCE | 0.56 | 0.16 | ND | 0.13 |
| METHYLENE CHLORIDE | 2.1 | 0.69 | 1.7 | 0.56 |
| PCE | 12 | 0.27 | 0.22 | 0.22 |
| TCE | 24 | 0.21 | ND | 0.17 |
| VC | ND | 0.10 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-7 | IA-7 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 0.55 | ND | 0.44 |
| 1,1-DCE | ND | 0.16 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 0.25 | 0.53 | 0.20 |
| c12-DCE | ND | 0.16 | ND | 0.13 |
| METHYLENE CHLORIDE | 6.6 | 0.69 | 1.6 | 0.56 |
| PCE | 84.1 | 0.27 | ND | 0.22 |
| TCE | 0.27 | 0.21 | ND | 0.17 |
| VC | ND | 0.10 | ND | 0.082 |

| 12/10/24 |
|---|
| OA-1 |
| OUTDOOR AIR |

| | RESULT | MDL |
|---|---|---|
| 1,1,1-TCA | ND | 0.44 |
| 1,1-DCE | ND | 0.13 |
| CARBON TETRACHLORIDE | 0.53 | 0.20 |
| c12-DCE | ND | 0.13 |
| METHYLENE CHLORIDE | 1.7 | 0.56 |
| PCE | ND | 0.22 |
| TCE | ND | 0.17 |
| VC | ND | 0.082 |

| 12/10/24 |
|---|
| OA-2 |
| OUTDOOR AIR |

| | RESULT | MDL |
|---|---|---|
| 1,1,1-TCA | ND | 0.44 |
| 1,1-DCE | ND | 0.13 |
| CARBON TETRACHLORIDE | 0.55 | 0.20 |
| c12-DCE | ND | 0.13 |
| METHYLENE CHLORIDE | 2.5 | 0.56 |
| PCE | ND | 0.22 |
| TCE | ND | 0.17 |
| VC | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-2 | IA-2 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 1.1 | ND | 0.44 |
| 1,1-DCE | ND | 0.32 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 0.50 | 0.57 | 0.20 |
| c12-DCE | ND | 0.32 | ND | 0.13 |
| METHYLENE CHLORIDE | 2.5 | 1.4 | 1.6 | 0.56 |
| PCE | 26 | 0.54 | ND | 0.22 |
| TCE | ND | 0.43 | ND | 0.17 |
| VC | ND | 0.20 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-4 | IA-4 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 1.1 | ND | 44 |
| 1,1-DCE | ND | 0.32 | ND | 13 |
| CARBON TETRACHLORIDE | ND | 0.50 | ND | 20 |
| c12-DCE | ND | 0.32 | ND | 13 |
| METHYLENE CHLORIDE | 10 | 1.4 | ND | 56 |
| PCE | 7.5 | 0.54 | ND | 22 |
| TCE | 0.50 | 0.43 | ND | 17 |
| VC | ND | 0.20 | ND | 8.2 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-6 | IA-6 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 2.2 | ND | 0.44 |
| 1,1-DCE | ND | 0.63 | ND | 0.13 |
| CARBON TETRACHLORIDE | ND | 1.0 | 0.75 | 0.20 |
| c12-DCE | ND | 0.63 | ND | 0.13 |
| METHYLENE CHLORIDE | ND | 2.8 | 1.5 | 0.56 |
| PCE | 1,040 | 1.1 | 0.75 | 0.22 |
| TCE | ND | 0.86 | ND | 0.17 |
| VC | ND | 0.41 | ND | 0.082 |

| 12/10/24 | 12/10/24 |
|---|---|
| SS-8 | IA-8 |
| SUB-SLAB VAPOR | INDOOR AIR |

| | RESULT | MDL | RESULT | MDL |
|---|---|---|---|---|
| 1,1,1-TCA | ND | 0.55 | ND | 0.44 |
| 1,1-DCE | ND | 0.16 | ND | 0.65 |
| CARBON TETRACHLORIDE | ND | 0.25 | 0.52 | 0.20 |
| c12-DCE | ND | 0.16 | ND | 0.13 |
| METHYLENE CHLORIDE | 4.5 | 0.69 | 1.8 | 0.56 |
| PCE | 14 | 0.27 | 1.2 | 0.22 |
| TCE | 0.30 | 0.21 | 0.21 | 0.17 |
| VC | ND | 0.10 | ND | 0.082 |

## LEGEND

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

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

µg/m3 MICROGRAMS PER CUBIC METER

MDL METHOD DETECTION LIMIT

ND NON-DETECT

Constituents of Concern Summary Map
December 10, 2024

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

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

Date 01/21/25
Figure 4

Scale In Feet
0 20

Groundwater & Environmental Services, Inc.

N:\Graphics\Graphics\1100-Patterson-LHV\Misc\Urstadt Biddle Properties\Carmel\Carmel SM.dwg, B20, 5/1/2025 8:09:02 AM, mhollister

# Tables

*Regency Centers Corp.*
*Carmel ShopRite Plaza*
*Carmel, New York*

**Table 4**
Air Analytical Results
December 2024

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

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

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

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

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

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

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

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

| Sample ID 176 Route 52 Carmel Nails | SS-4 Sub-Slab Vapor | | IA-4 Indoor Air | | Matrices Result |
|---|---|---|---|---|---|
| **(UG/M3)** | Result | MDL | Result | MDL | |
| 1,1,1-TRICHLOROETHANE (1,1,1-TCA) | ND | 1.1 | ND | 44 | NFA |
| 1,1-DICHLOROETHENE (1,1-DCE) | ND | 0.32 | ND | 13 | NFA |
| CARBON TETRACHLORIDE | ND | 0.50 | ND | 20 | NFA |
| CIS-1,2-DICHLOROETHENE (c12-DCE) | ND | 0.32 | ND | 13 | NFA |
| METHYLENE CHLORIDE | 10 | 1.4 | ND | 56 | NFA |
| TETRACHLOROETHENE (PCE) | 7.5 | 0.54 | ND | 22 | NFA |
| TRICHLOROETHENE (TCE) | 0.50 | 0.43 | ND | 17 | NFA |
| VINYL CHLORIDE | ND | 0.20 | ND | 8.2 | NFA |

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

*Note:* The method detection limits for IA-4 are a result of the initial Acetone values over the calibration range that resulted in dilutions. See Section 6.2.2.2 of the *Soil Vapor Intrusion Investigation Summary*.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Note:* The method detection limits for IA-4 are a result of the initial Acetone values over the calibration range that resulted in dilutions. See Section 6.2.2.2 of the *Soil Vapor Intrusion Investigation Summary*.

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

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

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

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

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

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

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

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

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

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

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

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

# Appendix A – 2025 Correspondence with NYSDEC

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

**Transmitted Via Email**

April 25, 2025

Regency Centers
Monica Roth
321 Railroad Avenue
Greenwich, CT 06830
monicaroth@regencycenters.com

**Re: Carmel Shop-Rite Plaza**
**Soil Vapor Intrusion Investigation Summary Report and Tenant Notification Letters**
**180 Gleneida Avenue**
**Carmel, New York**
**Site No.: V00104**

Dear Monica Roth,

The New York State Department of Environmental Conservation (the Department), in consultation with the New York State Department of Health (NYSDOH), has reviewed the results from the January 1, 2025, Soil Vapor Intrusion Investigation Summary Report. Please note, the report must be shared with your tenants and when doing so it is clear the report is still under review by the Department and NYSDOH. Based on the Department's review of the information submitted and subsequent communications with NYSDOH staff, the Department disapproves this Soil Vapor Intrusion Investigation Summary Report for the following reasons and deficiencies.

## Reasons for Disapproval

Please respond to the Department within fifteen (15) days of the date of this letter indicating whether the Volunteer shall elect to modify the disapproved Soil Vapor Intrusion Investigation Summary Report.

1. Section 6.2 - Analytical Results: The text states that tetrachloroethene (PCE) and trichloroethene (TCE) exceeded the NYSDOH Air Guideline Values (AGVs) for both compounds. Based on our review of the Report's Data Table 4, there were no exceedances of the AGVs for PCE and TCE. Revise the Report accordingly and clarify that the AGVs (i.e., Table 3.1) pertain to indoor air samples, not sub-slab soil vapor or soil vapor samples.

2. Section 7 - Summary & Recommendations: Modify the text for Bullet 3, add the following text stating that additional volatile organic compounds (VOCs) were detected in the indoor air of all the tenant spaces. Include text stating *"The detections of acetone and methyl methacrylate were higher than expected. To*

*minimize any exposure to chemicals used in daily business practices, please ensure that all containers are properly sealed and stored, and that products are used with adequate ventilation."*

3. Figure 4 - Chemicals of Concern (COC) Summary Map: Please revise the indoor air Method Detection Limits (MDL) Column for Indoor Air, IA-4, the decimal point is missing.

4. Table 4 - Air Analytical Results: Revise the table to remove the bold and italics from all sub-slab soil vapor data results (e.g., acetone, methyl methacrylate, PCE and TCE) where applicable. Sub-slab vapor data is not compared to the NYSDOH 2006 Indoor 95th Percentile Values or the NYSDOH AGV.

5. Table 5 and Table 6 - Sample IA-4: Revise the MDLs (Column 5) to include the correct decimal point.

6. Table 7 – Recommendations: Based on a review of the data, the Department and the NYSDOH recommend all SSDS remain operational.

7. Section 6.1.3, the Report states the dryer vent exhausts into the Paradise Tanning tenant space. This might be skewing results of the indoor air data, too.

**Please provide copies of the final tenant notification letters once they are transmitted. I've provided fact sheets for VOCs, PCE, and TCE from NYSDOH to be transmitted with these tenant notification letters.**

**In accordance with 6 NYCRR Part 375-1.6(d)(3) should the Volunteer elect to revise the Soil Vapor Intrusion Investigation Summary Report, please notify the Department within 15 days of receipt of this letter and provide a revised Report incorporating the above modification within 30 days of receipt of this letter.**

**The revised Soil Vapor Intrusion Investigation Summary Report must be placed in the document repository within five (5) business days of submittal to the Department.**

**I can be reached at (518) 402-9605 or by email at matthew.hubicki@dec.ny.gov to discuss this matter further should you have any questions or comments.**

**Sincerely,**

**Matthew Hubicki,**
**Project Manager**

Attachments

4 Tenant Notification Letters with NYSDEC/NYSDOH comments
VOCs in Commonly Used Products
NYSDOH Tenant Notification for Tetrachloroethene (Perc or PCE)
NYSDOH Tenant Notification for Trichloroethene (TCE)

Ec: w/Attachments

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File/DecDocs

# Volatile Organic Compounds (VOCs) in Commonly Used Products

**People spend most of their time indoors – at home, school and work. This makes the quality of the indoor air you breathe important. This fact sheet focuses on certain kinds of chemicals called *volatile organic compounds* or *VOCs* that are found in many products that we commonly use. It is designed to help you think about what VOCs may be present in your indoor air and steps you can take to reduce them.**

## What are VOCs?

VOCs are chemicals that easily enter the air as gases from some solids or liquids. They are ingredients in many commonly used products and are in the air of just about every indoor setting. The table to the right shows some examples of products that contain VOCs.

## How do VOCs get into indoor air?

Products containing VOCs can release these chemicals when they are used and when they are stored. Many times you'll notice an odor when using these products. Product labels often list VOC ingredients and recommend that they should be used in well ventilated areas. *Ventilation* means bringing in fresh, outdoor air to mix with indoor air.

When you use a product containing VOCs indoors, the levels of these chemicals in the air increase, then decrease over time after you stop using them. The amount of time the chemical stays in the air depends on how quickly fresh air enters the room and the amount of the chemical used. Levels of VOCs will decrease faster if you open windows or doors, or use exhaust fans.

Building materials and furnishings, such as new carpets or furniture, slowly release VOCs over time. It may be necessary to ventilate areas with new carpeting or furniture for longer time periods because VOC levels can build up again after the windows are closed. If possible, unroll new carpets or store furniture outside your home (in a shed or detached garage) to minimize odors before bringing them in the home. If that's not possible, open windows, close doors and try to stay out of rooms until odors are reduced.

If VOC containing products are used outdoors near your home, you may want to close windows and nearby vents to prevent chemicals from coming inside.

**Products used at home or work can release VOCs into the air when used and stored.**

| Examples of Household Products | Possible VOC Ingredients |
|---|---|
| Fuel containers or devices using gasoline, kerosene, fuel oil and products with petroleum distillates: paint thinner, oil-based stains and paint, aerosol or liquid insect pest products, mineral spirits, furniture polishes | BTEX (benzene, toluene, ethylbenzene, xylene), hexane, cyclohexane, 1,2,4-trimethylbenzene |
| Personal care products: nail polish, nail polish remover, colognes, perfumes, rubbing alcohol, hair spray | Acetone, ethyl alcohol, isopropyl alcohol, methacrylates (methyl or ethyl), ethyl acetate |
| Dry cleaned clothes, spot removers, fabric/ leather cleaners | Tetrachloroethene (perchloroethene (PERC), trichloroethene (TCE)) |
| Citrus (orange) oil or pine oil cleaners, solvents and some odor masking products | d-limonene (citrus odor), a-pinene (pine odor), isoprene |
| PVC cement and primer, various adhesives, contact cement, model cement | Tetrahydrofuran, cyclohexane, methyl ethyl ketone (MEK), toluene, acetone, hexane, 1,1,1-trichloroethane, methyl-iso-butyl ketone (MIBK) |
| Paint stripper, adhesive (glue) removers | Methylene chloride, toluene, older products may contain carbon tetrachloride |
| Degreasers, aerosol penetrating oils, brake cleaner, carburetor cleaner, commercial solvents, electronics cleaners, spray lubricants | Methylene chloride, PERC, TCE, toluene, xylenes, methyl ethyl ketone, 1,1,1-trichloroethane |
| Moth balls, moth flakes, deodorizers, air fresheners | 1,4-dichlorobenzene, naphthalene |
| Refrigerant from air conditioners, freezers, refrigerators, dehumidifiers | Freons (trichlorofluoromethane, dichlorodifluoromethane) |
| Aerosol spray products for some paints, cosmetics, automotive products, leather treatments, pesticides | Heptane, butane, pentane |
| Upholstered furniture, carpets, plywood, pressed wood products | Formaldehyde |

VOCs can also get into indoor air from contaminated soils and groundwater under buildings. The chemicals enter buildings through cracks and openings in basements or slabs. When nearby soil or groundwater is contaminated, you might be asked for permission to investigate indoor air at your property. More information can be found at *www.nyhealth.gov/environmental/indoors/vapor_intrusion/.*

## Should I be surprised if VOCs are in the air I breathe?

No. Because they are commonly used, some VOCs are almost always found in indoor air. The New York State Department of Health (DOH) and other agencies have studied typical levels of VOCs that may be present in indoor and outdoor air. Sometimes these levels are called *"background levels".*

The term "background levels" can be confusing because they can vary depending on where an air sample was collected and whether VOCs were used or stored. For example, a study of VOCs in urban areas might find higher levels than another study in rural areas. Some studies look at office environments, others examine residences. Please keep in mind study findings may or may not make sense for your setting.

More information about levels of VOCs collected by DOH is available in Appendix C of the guidance for evaluating vapor intrusion at *www.nyhealth.gov/environmental/investigations/soil_gas/svi_guidance.*

## How can VOCs affect human health?

Chemicals can enter the body through three major pathways (breathing, touching or swallowing). This is referred to as *exposure*. No matter how dangerous a substance or activity is, it cannot harm you without exposure.

Whether or not a person will have health effects after breathing in VOCs depends on:

1. The *toxicity* of the chemical (the amount of harm that can be caused by contact with the chemical).
2. How much of the chemical is in the air.
3. How long and how often the air is breathed.

Differences in age, health condition, gender and exposure to other chemicals also can affect whether or not a person will have health effects.

Short-term exposure to high levels of some VOCs can cause headaches, dizziness, light-headedness, drowsiness, nausea, and eye and respiratory irritation. These effects usually go away after the exposure stops. In laboratory animals, long-term exposure to high levels of some VOCs has caused cancer and affected the liver, kidney and nervous system. In general, we recommend minimizing exposure to chemicals, if possible.

## How can I reduce the levels of VOCs indoors?

- Find out if products used or stored in your home contain VOCs. Information about the chemicals in many household products are listed on the front of this fact sheet and a larger list is on the National Institute of Health's website at *hpd.nlm.nih.gov/products.htm.*
- If you must store products containing VOCs, do so in tightly sealed, original containers in a secure and well-ventilated area. If possible store products in places where people do not spend much time, such as a garage or outdoor shed. Better yet, buy these products in amounts that are used quickly.
- Dispose of unneeded products containing VOCs. Many of these products are considered *household hazardous wastes* and should be disposed of at special facilities or during special household hazardous waste collection programs in your area. Contact your town or visit the New York State Department of Environmental Conservation's website at *www.dec.ny.gov/chemical/8485.html* for more information about disposing of these products.
- Use products containing VOCs in well-ventilated areas or outdoors. Open windows and doors or use an exhaust fan to increase ventilation. Repeated or prolonged ventilation may be necessary for reducing levels from building materials (new carpeting or furniture) that release VOCs slowly over time.
- Carefully read labels and follow directions for use.

## Where can I find out more?

- **New York State Department of Health**
  (800) 458-1158
  *www.nyhealth.gov/environmental/*
- **Indoor Air Quality and Your Home** from the New York State Energy Research and Development Authority *www.nyserda.org/publications/iaq.pdf*
- **The Inside Story: A Guide to Indoor Air Quality**
  *www.epa.gov/iaq/pubs/insidest.html*
- **New York State Department of Environmental Conservation** website for information about household hazardous waste disposal
  *www.dec.ny.gov/chemical/8485.html*
- **National Institute of Health's** website for information about chemicals found in many household products.
  *hpd.nlm.nih.gov/products.htm*

December 2007

# New York State Department of Health
# Tenant Notification Fact Sheet for Tetrachloroethene (Perc)

This fact sheet is provided to fulfill New York State Department of Health (NYS DOH) requirements for preparation of generic fact sheets under Article 27 (Title 24, Section 27-2405) of the Environmental Conservation Law.

**Tetrachloroethene (Perc)**

Tetrachloroethene (also known as perchloroethylene or Perc) is a man-made volatile organic chemical that is widely used in the dry-cleaning of fabrics, including clothes, and in manufacturing other chemicals. It was also used for degreasing metal parts and in consumer products, including some paint and spot removers, water repellents, brake and wood cleaners, glues, and suede protectors.

**Sources of Perc in Indoor Air**

Household products containing Perc could be a possible source for Perc in indoor air. Perc also may evaporate from dry-cleaned clothes or dry-cleaning operations into indoor air. Another source could be evaporation from contaminated well water that is used for household purposes. Perc may also enter homes through soil vapor intrusion, which occurs when the chemical evaporates from groundwater, enters soil vapor (air spaces between soil particles), and migrates through building foundations into the building's indoor air. Perc has also been found at low concentrations in outdoor air.

**Levels Typically Found in Air**

The NYS DOH reviewed and compiled information from studies in New York State as well as from homes and office buildings across the United States on typical levels of Perc in indoor and outdoor air. Levels of Perc in the indoor air of homes and office settings and in outdoor air are expected to be below 10 micrograms per cubic meter ($mcg/m^3$).

**Health Risks Associated with Exposure**

An association exists between exposure of people in the workplace to high levels of Perc in air and certain forms of cancer. Perc causes cancer in laboratory animals exposed to high levels over their lifetimes. Overall, the studies of humans and in animals do not prove that Perc causes cancer in people, but are highly suggestive that there may be an increased risk for cancer in people who are exposed to Perc (particularly at high concentrations) over long periods of time

People exposed to high levels of Perc in air had nervous system effects and slight changes to their liver and kidneys. Some studies show a slightly increased risk for some types of reproductive effects among workers (including dry-cleaning workers) exposed to Perc and other chemicals. The reproductive effects associated with exposure included increased risks for spontaneous abortion, menstrual and sperm disorders, and reduced fertility. The data suggest, but do not prove, that the effects were caused by Perc and not by some other factor or factors. Exposure to high levels of Perc has caused liver and kidney damage in laboratory animals and effects on the nervous system. Taken together, the human and animal studies indicate that human exposure to high levels of Perc causes effects on the nervous system, and suggest that human exposure to high levels of Perc may increase the risk for liver and kidney toxicity.

**NYS DOH Air Guideline**

The NYS DOH guideline for Perc in air is 30 $mcg/m^3$. This level is lower than the levels that have caused health effects in animals and humans. The guideline is based on the assumption that people

are continuously exposed to Perc in air all day, every day for as long as a lifetime. This is rarely true for most people who, if exposed, are likely to be exposed for only part of the day and part of their lifetime. In setting this level, the NYS DOH also considered the possibility that certain members of the population (infants, children, the elderly, and those with pre-existing health conditions) may be especially sensitive to the effects of Perc.

The purpose of the guideline is to help guide decisions about the nature of the efforts to reduce Perc exposure. Reasonable and practical actions should be taken to reduce Perc exposure when indoor air levels are above those typically found in indoor air, even when they are below the guideline of 30 $mcg/m^3$. The urgency to take actions increases as indoor air levels increase, especially when air levels are above the guideline. The NYS DOH recommends taking immediate action to reduce exposure when an air level is ten times or more higher than the guideline (that is, when the air level is 300 $mcg/m^3$ or higher).

**Ways to Limit Exposure to Perc in Indoor Air**

In all cases, the specific actions to limit exposure to Perc in indoor air depend on a case-by-case evaluation of the situation. Removing household sources of Perc and maintaining adequate ventilation will usually help reduce indoor air levels of the chemical. A sub-slab depressurization system can reduce the amount of Perc entering indoor air by soil vapor intrusion. Use of an activated carbon filter on the water supply can reduce the amount of the chemical in contaminated well water that could evaporate into indoor air.

**Reportable Detection Level**

The reportable detection level for a chemical can vary depending on the analytical method used, the laboratory performing the analysis, and several other factors. Most laboratories that use the analytical methods recommended by the NYS DOH for measuring Perc in air (and approved by the National Environmental Laboratory Accreditation Conference or New York State's Environmental Laboratory Approval Program) can routinely detect the chemical at concentrations below 1 $mcg/m^3$.

**Additional Information**

Additional information on Perc, ways to reduce exposure, indoor air contamination resulting from soil vapor intrusion, indoor and outdoor air levels and the Environmental Conservation Law can be found on the NYS DOH website at www.health.state.ny.us/environmental/indoors/air/contaminants.

If you have further questions about Perc and the information in this fact sheet, please call the NYS DOH at 1-518-402-7800 or 1-800-458-1158 (extension 2-7800), e-mail to ceheduc@health.state.ny.us, or write to the following address:

New York State Department of Health
Center for Environmental Health
Outreach and Education Group
Empire State Plaza-Corning Tower, Room 1642
Albany, New York 12237

New York State Department of Health
December, 2013

**New York State Department of Health**
**Tenant Notification Fact Sheet for Trichloroethene (TCE)**

This fact sheet is provided to fulfill New York State Department of Health (NYSDOH) requirements for preparation of generic fact sheets under Article 27 (Title 24, Section 27-2405) of the Environmental Conservation Law.

## Trichloroethene (TCE)

Trichloroethene (also known as trichloroethylene or TCE) is a human-made chemical. It is volatile, meaning it readily evaporates at room temperature into the air, where you can sometimes smell it. It is used as a solvent to remove grease from metal, a paint stripper, an adhesive solvent, an ingredient in paints and varnishes, and in the manufacture of other chemicals and products (for example, furniture and electric/electronic equipment).

## Exposure to TCE

People may be exposed to TCE in air, water, and food, or when TCE or material containing TCE (for example, soil) gets on the skin. For most people, almost all TCE exposure is from indoor air.

## Sources of TCE in Air

TCE may get into indoor air when TCE-containing products (for example, glues, adhesives, paint removers, spot removers, and metal cleaners) are used. Another source could be evaporation from contaminated well water that is used for household purposes. TCE may enter homes through soil vapor intrusion, which occurs when TCE evaporates from contaminated groundwater, enters soil vapor (air spaces between soil particles), and migrates through cracks or other openings in the foundation and into the building. TCE gets into outdoor air when it is released from industrial facilities and when it evaporates from areas where chemical wastes are stored or disposed.

## Levels Typically Found in Air

The background indoor air levels of TCE in homes and office buildings not near known environmental sources of TCE are almost always 1 microgram per cubic meter of air (1 $mcg/m^3$) or less. Background outdoor air levels also are almost always 1 $mcg/m^3$ or less.

## Health Risks Associated with Exposure to TCE

Most people, if exposed to TCE, are exposed to air levels much lower than those known to cause health effects in humans (for example, workplace air levels 90,000 to 800,000 $mcg/m^3$). TCE exposure can cause effects on the central nervous system, liver, kidneys, and immune system of humans. TCE exposure is associated with reproductive effects in men and women, and may affect fetal development during pregnancy. However, the studies suggest, but do not prove, that the reproductive and developmental effects were caused by TCE, and not by some other factor. The United States Environmental Protection Agency (USEPA) classifies TCE as a chemical that causes cancer in humans by all routes of exposure. Whether a person experiences a

health effect depends on how much of the chemical he or she is exposed to, how often the exposure occurs, and how long the exposures last. Individual characteristics such as age, health, lifestyle, and genetics also play a role.

**NYSDOH Air Guideline**

NYSDOH recommends that TCE levels in air not exceed 2 mcg/$m^3$. This replaces the previous guideline of 5 mcg/$m^3$. The guideline was set at an air level that is lower than levels known to cause, or suspected of causing, health effects in humans, including sensitive populations (for example, children, pregnant women) and animals. The guideline is based on the assumption that people are continuously exposed to TCE in air all day, every day for months or as long as a lifetime. Continuous exposure is rarely true for most people, who, if exposed, are more likely to be exposed for a part of the day, part of a week, or part of their lifetime.

The guideline is used to help guide decisions regarding the urgency of efforts to reduce TCE exposure. At TCE air levels above the guideline, the higher the level, the greater the urgency to take action to reduce exposure. But as with any chemical in indoor air, the NYSDOH always recommends taking action to reduce exposure when the air concentration of a chemical is above background, even if it is below the guideline.

Indoor air concentrations substantially above the guideline clearly indicate a significant TCE source and the need for action to reduce exposure. In particular, NYSDOH has concerns about exposure during pregnancy, particularly during the first trimester, to air concentrations higher than 20 mcg/$m^3$ because the major steps of heart development occur during this period and TCE may be a risk factor for fetal heart defects in humans. Thus, NYSDOH recommends taking immediate and effective action to reduce exposure when an air concentration is equal to, or above 20 mcg/$m^3$.

**Ways to Limit Exposure to TCE in Indoor Air**

In all cases, the specific recommended actions to limit exposure to TCE in indoor air depend on a case-by-case evaluation of the situation. Removing household sources of TCE and maintaining adequate ventilation will usually help reduce indoor air levels of the chemical. A sub-slab depressurization system can reduce the amount of TCE entering indoor air by soil vapor intrusion. Use of an activated carbon filter on the water supply can reduce the amount of the chemical in contaminated well water that evaporates into indoor air.

**Concerns about Exposure to TCE**

Most people, if exposed to TCE, are exposed to air levels much lower than those known to cause health effects in humans. However, if you are concerned that you, your children, or others have been exposed to TCE, discuss your symptoms/signs with your health care provider. There are special tests to measure TCE and related chemicals in your blood, breath, or urine, and your health care provider can compare the results to those of people without known exposure to TCE or to workers with high exposure to TCE.

**Reportable Detection Level**

The reportable detection level for a chemical can vary depending on the analytical method used, the laboratory performing the analysis, and several other factors. Most laboratories that use the analytical methods

recommended by the NYSDOH for measuring TCE in air (and approved by the National Environmental Laboratory Accreditation Conference or New York State's Environmental Laboratory Approval Program) can routinely detect the chemical at levels below 1 mcg/$m^3$.

**Additional Information**

Additional information on TCE, ways to reduce exposure, indoor air contamination resulting from soil vapor intrusion, indoor and outdoor air levels and the Environmental Conservation Law can be found on the NYSDOH website at www.health.state.ny.us/environmental/indoors/air/contaminants/.

If you have further questions about TCE and the information in this fact sheet, please call the NYSDOH at 1-518-402-7800 or 1-800-458-1158, e-mail to ceheduc@health.state.ny.us, or write to the following address:

New York State Department of Health
Center for Environmental Health
Outreach and Education Group
Empire State Plaza-Corning Tower, Room 1642
Albany, New York 12237

Updated August 2015

Regency Centers.

321 Railroad Avenue
Greenwich, CT 06830

203 863 8200
RegencyCenters.com

Manxin Inc.
d/b/a Chic Nail & Spa
4370 Kissena 23N
Flushing, New York 11355
Attn: Yan Zhang

Re: Sub-slab and Ambient Air Sampling at Chic Nail & Spa
Carmel ShopRite
176 Route 52 Carmel, New York

Dear Tenant:

Available on the New York State Department of Environmental Conservation (NYSDEC) website or available upon request is the Soil Vapor Intrusion Summary Report summarizing soil vapor and indoor air sampling at Carmel Nails located at the Carmel ShopRite Plaza, 176 Route 52, Carmel, New York. This report, prepared by our consultant, Groundwater Environmental Services (GES), summarizes the results of recent indoor air sampling efforts at Carmel Nails and other tenant spaces. This report is also under review by the NYSDEC and New York State Department of Health (NYSDOH).

NYSDEC Website: https://extapps.dec.ny.gov/data/DecDocs/V00104/

As shown in the report, detections of tetrachloroethene (PCE), carbon tetrachloride, and methylene chloride were reported in one or more sample locations. None of the detections identified were at actionable concentrations. As expected, o~~O~~ther volatile organic compounds were also detected as they may be found in products used in your daily business ~~practices.The~~practices. The concentrations of most of the other volatile organic compounds (VOCs) found in your indoor air were within typical background levels. ~~However, the~~However, the concentrations of acetone and methyl methacrylate were higher than expected. To minimize any exposure to chemicals used in your business, please ensure that all containers are properly sealed and stored. When using these items, please properly ventilate the area. ~~. None of the detections identified were at actionable concentrations~~. The report also explains that GES reactivated the previously installed sub-slab depressurization (SSD) systems; these systems will continue to operate until the ~~New York State Department of Environmental Conservation~~NYSDEC and ~~New York State Department of Health~~ (NYSDOH) approve shutdown.

Environmental Conservation Law 27-2405 requires property owners or owners' agents (such as landlords) to notify all of their tenants and occupants of any test results related to indoor air contamination associated with soil vapor intrusion (SVI) that they receive from certain persons and entities. The law applies to both residential and non-residential properties. More information regarding the tenant notification law and your obligations can be found at:

http://www.dec.ny.gov/regulations/55739.html

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Greenwich, CT 06830

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Also enclosed are Fact Sheets prepared by the ~~New York State Department of Health~~NYSDOH regarding PCE and TCE and VOCs in Commonly Used Products~~other volatile organic compounds~~. If you have any questions regarding the air sampling data or the enclosed ~~Tetrachloroethene~~ Fact Sheets, we suggest that you contact Renata E. Ockerby, Public Health Specialist II of the NYSDOH Bureau of Environmental Exposure Investigation. She can be reached by telephone at (518) 402-7860 or via email at BEEI@health.ny.gov.

We will continue to keep you posted on our on-going efforts regarding the above.

Very truly yours,

Monica Roth
Senior Manager, Environmental

Encls.

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Greenwich, CT 06830

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Hung Chin Wong
d/b/a Chinatown Restaurant
170 Route 52, Carmel, NY 10512

Re: Sub-slab and Ambient Air Sampling at Chinatown
Carmel ShopRite
170 Route 52 Carmel, New York

Dear Tenant:

Available on the New York State Department of Environmental Conservation (NYSDEC) website or available upon request is the Soil Vapor Intrusion Summary Report summarizing soil vapor and indoor air sampling at Chinatown located at the Carmel ShopRite Plaza, 170 Route 52, Carmel, New York. This report, prepared by our consultant, Groundwater Environmental Services (GES), summarizes the results of recent indoor air sampling efforts at Chinatown and other tenant spaces. This report is also under review by the NYSDEC and New York State Department of Health (NYSDOH).

NYSDEC Website: https://extapps.dec.ny.gov/data/DecDocs/V00104/

As shown in the report, detections of tetrachloroethene (PCE), trichloroethene (TCE), methylene chloride and carbon tetrachloride were detected in one or more sample locations. As expected, o~~O~~ther volatile organic compounds (VOCs) were also detected in the indoor air. The concentrations of most of the other VOCs found in your indoor air were within typical background levels. ~~However, the~~However, the concentration of methylmethacrylate was higher than expected. To minimize any exposure to chemicals used in your business, please ensure that all containers are properly sealed and stored. When using these items, please properly ventilate the area. ~~None of the detections identified were at actionable concentrations~~. The report also explains that GES reactivated the previously installed sub-slab depressurization (SSD) systems; these systems will continue to operate until the ~~New York State Department of Environmental Conservation~~NYSDEC and ~~New York State Department of Health~~ (NYSDOH) approve shutdown.

Environmental Conservation Law 27-2405 requires property owners or owners' agents (such as landlords) to notify all of their tenants and occupants of any test results related to indoor air contamination associated with soil vapor intrusion (SVI) that they receive from certain persons and entities. The law applies to both residential and non-residential properties. More information regarding the tenant notification law and your obligations can be found at:

http://www.dec.ny.gov/regulations/55739.html.

Also enclosed are Fact Sheets prepared by the ~~New York State Department of Health~~NYSDOH regarding PCE and TCE and VOCs Found in Commonly Used

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Products. ~~other volatile organic compounds.~~ If you have any questions regarding the air sampling data or the enclosed ~~Tetrachloroethene~~ Fact Sheets, we suggest that you contact Renata E. Ockerby, Public Health Specialist II of the NYSDOH Bureau of Environmental Exposure Investigation. She can be reached by telephone at (518) 402-7860 or via email at BEEI@health.ny.gov.

We will continue to keep you posted on our on-going efforts regarding the above.

Very truly yours,

Monica Roth
Senior Manager, Environmental

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321 Railroad Avenue
Greenwich, CT 06830

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Electric Paradise Tanning II, Inc.
131 Manhattan Avenue
Hawthorne, NY 10532
Attn: Michael Poli

Re: Sub-slab and Ambient Air Sampling at Electric Paradise Tanning
Carmel ShopRite Plaza
172 Route 52 Carmel, New York

Dear Mr. Poli:

Available on the New York State Department of Environmental Conservation (NYSDEC) website or available upon request is the Soil Vapor Intrusion Summary Report summarizing soil vapor and indoor air sampling at Electric Paradise Tanning located at the Carmel ShopRite Plaza, 172 Route 52, Carmel, New York. This report, prepared by our consultant, Groundwater Environmental Services (GES), summarizes the results of recent indoor air sampling efforts at Electronic Paradise Tanning and other tenant spaces. This report is also under review by the NYSDEC and New York State Department of Health (NYSDOH).

NYSDEC Website: https://extapps.dec.ny.gov/data/DecDocs/V00104/

As shown in the report, detections of tetrachloroethene (PCE), trichloroethene (TCE), methylene chloride, carbon tetrachloride, and/or cis-1,2-dichloroethene (cis 1,2-DCE) were identified in one or more sample locations. As expected, o~~O~~ther volatile organic compounds (VOCs) were also detected in the indoor air. The concentrations of most of the other VOCs found in your indoor air were within typical background levels. However, the concentrations of acetone and methylmethacrylate were higher than expected. To minimize any exposure to chemicals used in your business, please ensure that all containers are properly sealed and stored. When using these items, please properly ventilate the area. The elevated~~detected~~ PCE concentration collected from sub-slab sample SS-6 (utility room) from underneath the building, requires the continued operation of the sub-slab depressurization (SSD) system. GES reactivated the SSD system on December 10, 2024 and; the system will continue to operate to control the potential for vapor intrusion. Also these SSD systems will continue to operate until the NYSDEC and NYSDOH approve shutdown.

Environmental Conservation Law 27-2405 requires property owners or owners' agents (such as landlords) to notify all of their tenants and occupants of any test results related to indoor air contamination associated with soil vapor intrusion (SVI) that they receive from certain persons and entities. The law applies to both residential and non-residential properties. More information regarding the tenant notification law and your obligations can be found at:

http://www.dec.ny.gov/regulations/55739.html

Also enclosed are Fact Sheets prepared by the ~~New York State Department of Health~~NYSDOH regarding PCE and TCE and VOCs Found in Commonly Used Products~~other volatile organic compounds.~~ If you have any questions regarding the air sampling data or the enclosed ~~Tetrachloroethene~~ Fact Sheets, we suggest that you contact Renata E. Ockerby, Public Health Specialist II of the NYSDOH Bureau of Environmental Exposure Investigation. She can be reached by telephone at (518) 402-7860 or via email at BEEI@Health.ny.gov.

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We will continue to keep you posted on our on-going efforts regarding the above.

Very truly yours,

Monica Roth
Senior Manager, Environmental

Encls.

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RC Pizza Restaurant LLC
d/b/a Europa Pizza
178 NY Route 52
Carmel, NY 10512
Attn: Carlos Reyes

Re: Sub-slab and Ambient Air Sampling at Europa Pizza
Carmel ShopRite
178 Route 52 Carmel, New York

Dear Mr. Reyes:

Available on the New York State Department of Environmental Conservation (NYSDEC) website or available upon request is the Soil Vapor Intrusion Summary Report summarizing soil vapor and indoor air sampling at Europa Pizza located at the Carmel ShopRite Plaza, 178 Route 52, Carmel, New York. This report, prepared by our consultant, Groundwater Environmental Services (GES), summarizes the results of recent indoor air sampling efforts at Europa Pizza and other tenant spaces. This report is also under review by the NYSDEC and New York State Department of Health (NYSDOH).

NYSDEC Website: https://extapps.dec.ny.gov/data/DecDocs/V00104/

As shown in the report, detections of tetrachloroethene (PCE), trichloroethene (TCE), carbon tetrachloride, and methylene chloride were detected in one or more sample locations. None of the detections identified were at actionable concentrations. As expected, o~~O~~ther volatile organic compounds (VOCs) were also detected as they may be found in products used in your daily business practices, or stored within your tenant space. The concentrations of most of the other VOCs found in your indoor air were within typical background levels. However, the concentrations of acetone and methylmethacrylate were higher than expected. To minimize any exposure to chemicals used in your business, please ensure that all containers are properly sealed and stored. When using these items, please properly ventilate the area ~~None of the detections identified were at actionable concentrations~~. The report also explains that GES reactivated the previously installed sub-slab depressurization (SSD) systems; these systems will continue to operate until the ~~New York State Department of Environmental Conservation~~ NYSDEC and ~~New York State Department of Health~~ (NYSDOH) approve shutdown.

Environmental Conservation Law 27-2405 requires property owners or owners' agents (such as landlords) to notify all of their tenants and occupants of any test results related to indoor air contamination associated with soil vapor intrusion (SVI) that they receive from certain persons and entities. The law applies to both residential and non-residential properties. More information regarding the tenant notification law and your obligations can be found at:

http://www.dec.ny.gov/regulations/55739.html.

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Also enclosed are Fact Sheets prepared by the ~~New York State Department of Health~~NYSDOH regarding PCE and TCE and VOCs in Commonly Used Products~~other volatile organic compounds~~. If you have any questions regarding the air sampling data or the enclosed ~~Tetrachloroethene~~ Fact Sheets, we suggest that you contact Renata E. Ockerby, Public Health Specialist II of the NYSDOH Bureau of Environmental Exposure Investigation. She can be reached by telephone at (518) 402-7860 or via email at BEEI@health.ny.gov.

We will continue to keep you posted on our on-going efforts regarding the above.

Very truly yours,

Monica Roth
Senior Manager, Environmental

Encls.

# Memo

| | |
|---|---|
| **To:** | Matthew Hubicki (NYSDEC), Renata Ockerby (NYSDOH), and Melissa Doroski (NYSDOH) |
| **From:** | Jessica Montaldo (GES) and Michael DeGloria (GES) |
| **cc:** | Monica Roth (Regency Centers) |
| **Date:** | June 13, 2025 |
| **Re:** | NYSDEC Site Number V00104<br>Carmel Shop-Rite Center<br>SVI Summary Report Follow-up |

The purpose of this draft memorandum (memo) is to document Groundwater & Environmental Services', Inc. (GES') review of applicable historical data and report files related to the soil vapor intrusion investigations at the Carmel ShopRite Plaza (NYSDEC Site Number V00104) located at 180 Gleneida Avenue (Route 52) in Carmel, New York (the site).

GES, Regency Centers, New York State Department of Environmental Conservation (NYSDEC), and New York State Department of Health (NYSDOH) had a conference call on May 27, 2025 to discuss the next steps and recommendations included in the *Soil Vapor Intrusion Investigation Summary* dated January 24, 2025. As discussed on the call, NYSDEC and NYSDOH requested a review of the historical data for Tetrachloroethene (PCE) and Trichloroethene (TCE) at the site. Additionally, GES reviewed the radius of influence (ROI) testing that was historically completed to evaluate if there are sub-slab pathways between each tenant space.

A Site Map and Sub-Slab Depressurization System Layout is included as **Figure 1** and **Figure 2**, respectively.

## Historical PCE and TCE Data

The historical data for indoor air and soil gas presented in the February 2012 *Site Management Plan* and the recent soil vapor intrusion investigation data collected in March 2024 and December 2024 were reviewed and compared. The data is presented in **Table 1** and **Table 2** for indoor air and soil gas/sub-slab vapor, respectively.

### Indoor Air

The Pre-Remediation data collected, prior to the excavation of impacted PCE soil and installation of a soil vapor extraction (SVE) system, has indoor air samples collected at the tenant spaces that are currently Electric Paradise Tanning (former dry cleaners), Carmel Wine & Spirits, Chic Nail & Spa, and Chinatown Restaurant. The Electric Paradise Tanning tenant space is the source

location, and the Carmel Wine & Spirits, Chic Nail & Spa, and Chinatown Restaurant are the adjacent tenant locations to the North (Chic Nail & Spa) and South (Carmel Wine & Spirits and Chinatown Restaurant) of the former dry cleaners. During the Pre-Remediation phase, concentrations of PCE were detected at all sample locations. The PCE concentrations ranged from 5 micrograms per cubic meter (µg/m$^3$) at the outdoor sample location to 7,900 µg/m$^3$ in the storage area of the former dry cleaners. Concentrations of TCE were non-detect (unknown reporting limit) at all sample locations or was not analyzed.

The Post Remediation data collected, after excavation of 36 tons of PCE impacted soil and operation of the SVE system, has indoor air samples collected at the tenant spaces that are now Electric Paradise Tanning (former dry cleaners), Chic Nail & Spa, Carmel Wine & Spirits, and Chinatown Restaurants. During the Post Remediation phase, concentrations of PCE were detected at the Electric Paradise Tanning, Chic Nail & Spa, and Carmel Wine & Spirits tenant locations. PCE was not identified in the indoor air at the Chinatown Restaurant or the outdoor sample location. The PCE concentrations ranged from 10.8 µg/m$^3$ at the Carmel Wine & Spirits sample location to 1,030.56 µg/m$^3$ in the storage area of the former dry cleaners. Concentrations of TCE were non-detect (unknown reporting limit) at all sample locations or was not analyzed.

The recent data collected in 2024, after operation of the sub-slab depressurization system (SSDS) that was installed in 2005 at the Electric Paradise Tanning (former dry cleaners) and modified in 2010 to include individual operating SSDS fans in neighboring tenant spaces at Chic Nail & Spa, Europa Pizza, and Chinatown Restaurant, has indoor air samples collected at the tenant spaces that are now Electric Paradise Tanning (former dry cleaners), Chic Nail & Spa, Chinatown Restaurants, and Europa Pizza. The recent concentrations of PCE in indoor air samples from March 2024 and resampled in June 2024 were detected at Electric Paradise Tanning and Chinatown Restaurant. The indoor air concentrations in March 2024 for PCE ranged from non-detect to 74.6 µg/m$^3$ (Electric Paradise Tanning at sample location IA-5) and for TCE ranged from non-detect to 60.7 µg/m$^3$ (Electric Paradise Tanning at sample location IA-5). The results at sample location IA-5 in March 2024 are presumed to be erroneous and all sample locations at the Electric Paradise Tanning tenant location were resampled in June 2024. The indoor air concentrations in June 2024 for PCE ranged from non-detect to 0.39 µg/m$^3$ (Electric Paradise Tanning at sample location IA-6) and the TCE concentrations were non-detect at both sample locations (IA-5 and IA-6). The recent concentrations of PCE in indoor air samples from December 2024 were detected at Electric Paradise Tanning, Chic Nail & Spa, and Chinatown Restaurant. The indoor air concentrations in December 2024 for PCE ranged from non-detect to 1.2 µg/m$^3$ (Chinatown Restaurant at sample location IA-8) and for TCE ranged from non-detect to 0.30 µg/m$^3$ (Electric Paradise Tanning at sample location IA-5).

## Soil Gas/Sub-slab Vapor

GES was unable to identify if sub-slab vapor or soil gas samples were collected during the Pre-Remediation phase in the available historical reports. During the Post Remediation phase of the project (active SVE operation), a SVE influent sample (SVEIN) was collected. The SVEIN sample had concentrations of PCE at 49.6 µg/m$^3$ and TCE at 54.9 µg/m$^3$. Additionally, a sub-slab soil gas sampling event was conducted on October 19, 2004 at the tenant spaces that are now Carmel

Wine & Spirits, Magic Clippers, Europa Pizza, and Chinatown Restaurant. Sub-slab soil gas concentrations of PCE ranged from 15.8 µg/m$^3$ at the Magic Clippers sample location to 7,490 µg/m$^3$ at the Carmel Wine & Spirits tenant space (in the rear storage area). The sub-slab soil gas concentrations of TCE ranged from non-detect (Europa Pizza, Magic Clippers, and entrance of Carmel Wine & Spirits) to 276 µg/m$^3$ at the Chinatown Restaurant tenant space (behind service counter).

The recent data collected in 2024 of the sub-slab vapor points illustrate a continued decrease in concentrations over time following operation of the SVE system (which was terminated in 2005). In March 2024, sub-slab vapor concentrations for PCE ranged from 0.41 µg/m$^3$ (SS-5 at Electric Paradise Tanning) to 136 µg/m$^3$ (SS-6 at Electric Paradise Tanning) and concentrations of TCE ranged from non-detect to 0.33 (SS-6 at Electric Paradise Tanning). In December 2024, sub-slab vapor concentrations for PCE ranged from 7.5 µg/m$^3$ (SS-4 at Chic Nail & Spa) to 1,040 µg/m$^3$ (SS6 at Electric Paradise Tanning) and concentrations of TCE ranged from non-detect to 23 µg/m$^3$ (SS5 at Electric Paradise Tanning).

### Historic Data Summary

In summary, recent concentrations of indoor air and sub-slab vapor collected in March 2024 and December 2024 indicate a decrease at all tenant spaces in comparison to Post-Remediation data. The Post Remediation data was collected during operation of the SVE System between 2002 and 2005.

The data collected in December 2024, that was most recently reported in the Soil Vapor Intrusion Investigation Summary dated January 24, 2025, was compared to the NYSDOH Updates to Soil Vapor/Indoor Air Decision Matrices A through C, dated May 2017, for chlorinated constituents of concern (COC). Based on the comparison of December 2024 indoor air and sub-slab vapor data to Matrices A through C, a No Further Action recommendation for all tenant locations, with the exception of Electric Paradise Tanning, was determined.

## SSDS Operation

The SVE system operated between 2002 and 2005, then was modified to operate as an SSDS in 2005, and again modified in 2010 to include individual operating SSDS fans in neighboring tenant spaces. The SSDS is utilized at the site to create a pressure differential below the slab and prevent soil vapor intrusion, the SSDS is considered an engineering control and not a remedial action.

SSDS performance testing was documented in the October 2006 *Sub-Slab Soil Gas Sampling Results, SSDS Performance Test Results, and Work Plan for Upgrade of SSDS* document prepared by Vertex Environmental Services. Performance testing of the SSDS took place in October 2005, January 2006, and March 2006 to confirm the SSDS, which consisted of lateral piping installed only in the current Electric Paradise Tanning tenant space, was creating negative pressure beneath the slab.

The results of the SSDS Performance Testing are included below:

| Summary of SSDS Performance Testing Results | | | |
|---|---|---|---|
| **Testing Date** | **Sampling Location** | | |
| | Sunscape Tan (now Electric Paradise Tanning) | Rendendo's Pizza (now Europa Pizza) | Chinatown Restaurant |
| 10/18/2005 | -0.7 | 0 | 0 |
| 1/5/2006 | -0.777 | -0.007 | 0 |
| 3/23/2006 | -0.4 | 0 | 0 |

Note: results in inches of water column (i.w.)

The results presented above indicate that there is little to no sub-slab communication between tenant spaces. Vacuum was only observed at the Electronic Paradise Tanning tenant space during all three (3) SSDS performance tests. Vertex Environmental Services concludes that the site geology or building footers prevent flow of air beneath the building slab.

## Recommendations

Based on the overall reduction of COCs observed over time, the NYSDOH Matrice Outcome recommendations, and the apparent lack of sub-slab interaction between tenant spaces, GES recommends the following:

- The continued operation of the SSDS fan located at the Electric Paradise Tanning tenant space
- Temporarily shut down the SSDS fans at the Europa Pizza, Chic Nail & Spa, and Chinatown Restaurant.
- Conduct an additional SVI investigation during the next heating season at the four (4) tenant spaces, in accordance with the revised December 22, 2023 SVI Work Plan, to confirm SSDS operation is not required.

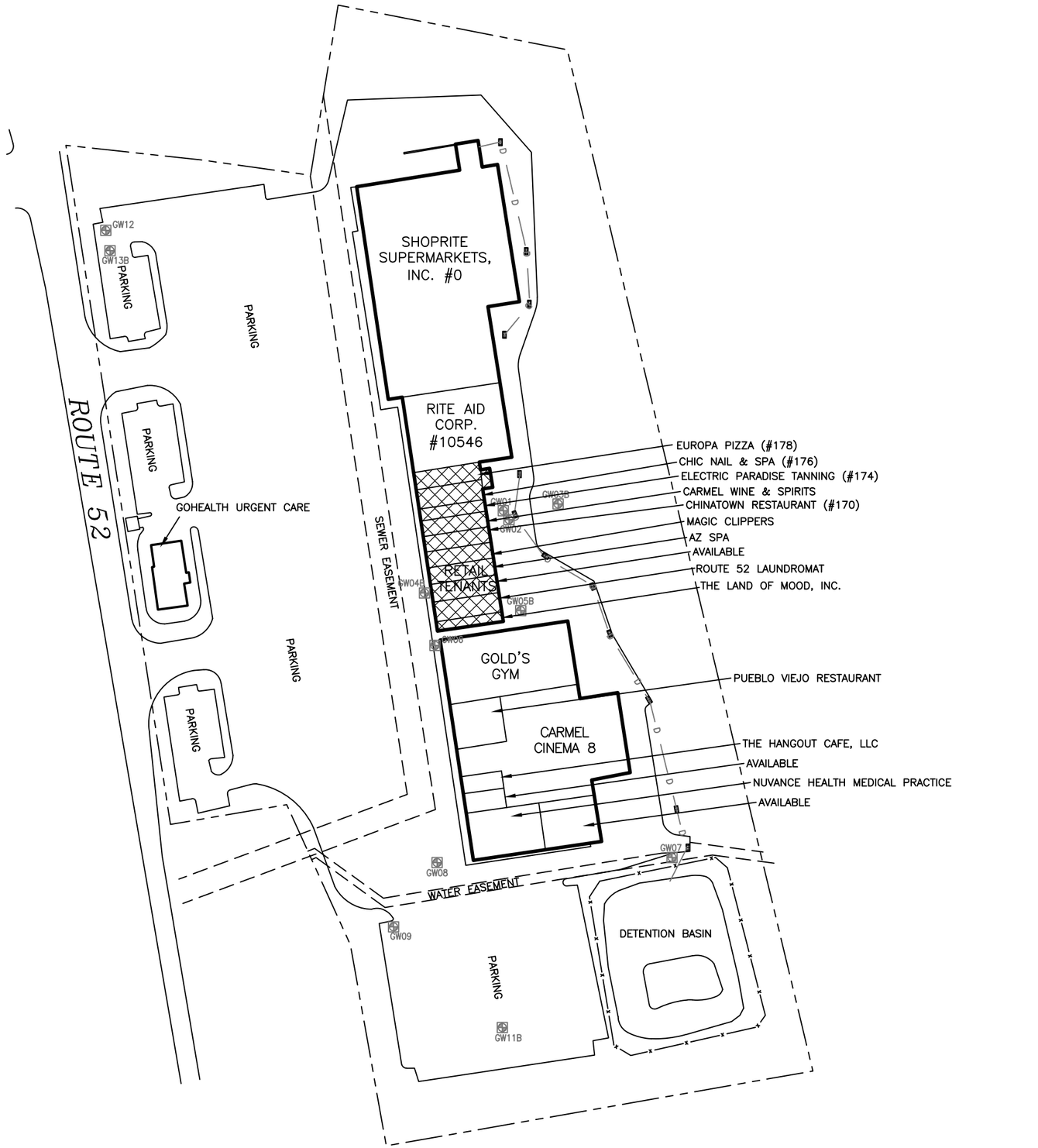
If you have any questions or comments regarding this memo, please contact Jessica Montaldo of GES at (800) 360-9405, extension 4328.

Sincerely,
Groundwater & Environmental Services, Inc.

Jessica Montaldo

Jessica Montaldo, PE
Project Engineer

# Figures




Site Map

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

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

Date
01/21/25
Figure
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Groundwater & Environmental Services, Inc.

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Sub-Slab Depressurization System Layout

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

Drawn
M.H.
Designed
J.M.
Approved
M.D.

Date
11/18/24
Figure
2

Scale In Feet
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Groundwater & Environmental Services, Inc.

# Tables

**Table 1 - Historical Indoor Air Sampling Results for TCE and PCE**

| Sampling Date and Location | Additional Details on Location | Analyte | |
|---|---|---|---|
| | | Trichloroethene (TCE) | Tetrachloroethene (PCE) |
| | | ug/m$^3$ | ug/m$^3$ |
| **PRE-REMEDIATION** | | | |
| **Subsurface Investigation (McLaren/Hart) (July 23, 1998)** | | | |
| Air-01 (Drycleaner) | Now Electric Paradise Tanning | NA | 330 |
| | | | |
| **Subsurface Investigation (McLaren/Hart) (July 1999)** | | | |
| L-1 (Tony's Fine Wines & Spirits) | Now Carmel Wine & Spirits | ND | 520 |
| V-1 (Video Store) | Now Carmel Nails | ND | 70 |
| B-1 (Background) | Outdoors | ND | 5 |
| D-1 (Drycleaner - Front Counter) | Now Electric Paradise Tanning | ND | 670 |
| D-2 (Drycleaner - Front Counter) | Now Electric Paradise Tanning | ND | 690 |
| D-3 (Drycleaner - Clothing Storage) | Now Electric Paradise Tanning | ND | 650 |
| D-4 (Drycleaner - Lavatory) | Now Electric Paradise Tanning | ND | 690 |
| D-5 (Drycleaner - Storage Area) | Now Electric Paradise Tanning | ND | 7,900 |
| | | | |
| **Air Sampling Investigation (VERTEX) (April 12, 2001)** | | | |
| Liquor Store | Now Carmel Wine & Spirits | ND | 38.7 |
| Chinatown | Now Chinatown Restaurant | ND | 66.5 |
| Video Store | Now Carmel Nails | ND | 217 |
| Cleaner CRDC | Now Electric Paradise Tanning | ND | 874.8 |
| Cleaner CRC | Now Electric Paradise Tanning | ND | 671.3 |
| Cleaner BRDC | Now Electric Paradise Tanning | ND | 1,024 |
| Cleaner DCSA | Now Electric Paradise Tanning | ND | 1,478.30 |
| Cleaner Outside | Outdoors | ND | ND |
| | | | |
| **POST REMEDIATION** | | | |
| **Air Sampling Investigation (VERTEX) (March 13, 2002)** | | | |
| AS-1 (Drycleaner Front) | Now Electric Paradise Tanning | ND | 739.02 |
| AS-2 (Drycleaner Storage Area) | Now Electric Paradise Tanning | ND | 1,030.56 |
| AS-3 (Outside Drycleaner) | Outdoors | ND | ND |
| | | | |
| **Air Sampling Investigation (VERTEX) (March 5, 2003)** | | | |
| Nail Salon (formerly Video Store) | Now Carmel Nails | NA | 30.5 |
| Grapevine (Tony's Fine Wine & Spirits) | Now Carmel Wine & Spirits | NA | 10.8 |
| Chinatown | Now Chinatown Restaurant | NA | ND |
| | | | |
| **SVE SYSTEM TRANSFORMED TO SSDS IN SEPTEMBER 2005, ADDITIONAL SSDS' INSTALLED IN MARCH 2010** | | | |
| **SVI Sampling Event #1 (GES) (March, 5, 2024)** | | | |
| IA-1 Europa Pizza | | ND<(0.17) | ND<(0.22) |
| IA-2 Europa Pizza | | ND<(0.17) | ND<(0.22) |
| IA-3 Carmel Nails | | ND<(0.17) | ND<(0.22) |
| IA-4 Carmel Nails | | ND<(0.17) | ND<(0.22) |
| IA-5 Electric Paradise Tanning | | 60.7 | 74.6 |
| IA-6 Electric Paradise Tanning | | ND<(0.17) | 0.68 |
| IA-7 Chinatown Restaurant | | 0.51 | 0.22 |
| IA-8 Chinatown Restaurant | | ND<(0.17) | 0.38 |
| OA-1 Outdoors | | ND<(0.17) | ND<(0.22) |
| OA-2 Outdoors | | ND<(0.20) | ND<(0.25) |
| | | | |
| **Indoor Air Resample at Electric Paradise Tanning (GES) (June 17, 2024)** | | | |
| IA-5 Electric Paradise Tanning | | ND<(0.17) | ND<(0.22) |
| IA-6 Electric Paradise Tanning | | ND<(0.17) | 0.39 |
| | | | |
| **SVI Sampling Event #2 (GES) (December 10, 2024)** | | | |
| IA-1 Europa Pizza | | ND<(0.17) | ND<(0.22) |
| IA-2 Europa Pizza | | ND<(0.17) | ND<(0.22) |
| IA-3 Carmel Nails | | ND<(0.17) | 0.25 |
| IA-4 Carmel Nails | | ND<(17) | ND<(22) |
| IA-5 Electric Paradise Tanning | | 0.30 | 0.31 |
| IA-6 Electric Paradise Tanning | | ND<(0.17) | 0.75 |
| IA-7 Chinatown Restaurant | | ND<(0.17) | ND<(0.22) |
| IA-8 Chinatown Restaurant | | 0.21 | 1.2 |
| OA-1 Outdoors | | ND<(0.17) | ND<(0.22) |
| OA-2 Outdoors | | ND<(0.17) | ND<(0.22) |
| | | | |
| | | | |

Notes:
Historic Data (prior to 2024) is from Table 3 of the Site Management Plan.
The indoor air data collected at sample location IA-5 in March 5, 2024 is presumed to be erroneous and was resampled on June 17, 2024.
µg/m$^3$ = micrograms per cubic meter
TCE = Trichloroethene
PCE = Tetrachloroethene
ND (ND<#) = Not detected. Concentration is less than the laboratory reporting limit.
NA = Not analyzed for that specific compound

**Table 2 - Historical Soil Gas and/or Sub-Slab Sampling Results for TCE and PCE**

| Sampling Date and Location | Additional Details on Location | Analyte | |
|---|---|---|---|
| | | Trichloroethene (TCE) | Tetrachloroethene (PCE) |
| | | ug/m$^3$ | ug/m$^3$ |
| **POST REMEDIATION** | | | |
| **SVE Confirmatory Sampling (VERTEX) (May 8, 2002)** | | | |
| SVEIN (Soil Vapor Extraction Influent) | From piping installed at tenant space that is now Electric Paradise Tanning | 54.9 | 49.6 |
| | | | |
| **Soil Gas Sampling Event (October 19, 2004)** | | | |
| SG-1 Tony's Fine Wines & Spirits - Rear Storage Area | Now Carmel Wine & Spirits | 24.8 | 7,490 |
| SG-2 Tony's Fine Wines & Spirits - Entrance | Now Carmel Wine & Spirits | ND<(2.7) | 379 |
| SG-3 Express Communications - Center of Showroom | Now Magic Clippers | ND<(2.7) | 15.8 |
| SG-4 Redendo's Pizza - Rear Kitchen | Now Europa Pizza | ND<(2.7) | 341 |
| SG-5 Redendo's Pizza - Front Kitchen | Now Europa Pizza | ND<(2.7) | 18.2 |
| SG-6 Chinatown Restaurant - Behind Service Counter | Now Chinatown Restaurant | 276 | 6,170 |
| | | | |
| **SVE SYSTEM TRANSFORMED TO SSDS IN SEPTEMBER 2005, ADDITIONAL SSDS' INSTALLED IN MARCH 2010** | | | |
| **SVI Sampling Event #1 (March, 5, 2024)** | | | |
| SS-1 Europa Pizza | | ND<(1.7) | 8.1 |
| SS-2 Europa Pizza | | ND<(0.21) | 5.6 |
| SS-3 Carmel Nails | | ND<(0.21) | 11 |
| SS-4 Carmel Nails | | ND<(0.25) | 6.3 |
| SS-5 Electric Paradise Tanning | | ND<(0.21) | 0.41 |
| SS-6 Electric Paradise Tanning | | 0.33 | 136 |
| SS-7 Chinatown Restaurant | | ND<(0.21) | 1.1 |
| SS-8 Chinatown Restaurant | | ND<(0.21) | 5.3 |
| | | | |
| **SVI Sampling Event #2 (December 10, 2024)** | | | |
| SS-1 Europa Pizza | | ND<(1.1) | 12 |
| SS-2 Europa Pizza | | ND<(0.43) | 26 |
| SS-3 Carmel Nails | | ND<(0.86) | 164 |
| SS-4 Carmel Nails | | 0.50 | 7.5 |
| SS-5 Electric Paradise Tanning | | 23 | 12 |
| SS-6 Electric Paradise Tanning | | ND<(0.86) | 1,040 |
| SS-7 Chinatown Restaurant | | 0.27 | 84.1 |
| SS-8 Chinatown Restaurant | | 0.30 | 14 |
| | | | |

Notes:
Historic Data (prior to 2024) is from Table 3 of the Site Management Plan.
µg/m$^3$ = micrograms per cubic meter
TCE = Trichloroethene
PCE = Tetrachloroethene
ND (ND<#) = Not detected. Concentration is less than the laboratory reporting limit.
NA = Not analyzed for that specific compound

## Jessica Montaldo

**To:** Hubicki, Matthew S (DEC)
**Cc:** Ockerby, Renata E (HEALTH); Doroski, Melissa A (HEALTH); Michael C. DeGloria; Roth, Monica; Maloney, Kerry A (DEC)
**Subject:** RE: NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

---

**From:** Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
**Sent:** Thursday, July 17, 2025 12:01 PM
**To:** Jessica Montaldo <JMontaldo@gesonline.com>
**Cc:** Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Doroski, Melissa A (HEALTH) <melissa.doroski@health.ny.gov>; Michael C. DeGloria <MDeGloria@gesonline.com>; Roth, Monica <monicaroth@regencycenters.com>; Maloney, Kerry A (DEC) <kerry.maloney@dec.ny.gov>
**Subject:** RE: NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

**Stop – Look – Think – Decide:** This e-mail came from outside of GES. Adhere to the guidelines of our ongoing GES cybersecurity awareness and training presentations. Be Aware – Be Smart

Jessica –

Based on our review of the 6/13/25 Soil Vapor Investigation (SVI) Summary Report Follow-up Memo and historical information provided by GES, we find the request to shut down and cap the 3 sub-slab depressurization (SSDS) systems at the Europa Pizza, Nail Spa, and Chinatown Restaurant tenant spaces during this summer/fall to be reasonable.
The SSDS located at the Electric Tanning SSDS should operate for several months, and then it should be shut down/capped for 30 days prior to SVI sampling.

All 4 tenant spaces should be sampled during the 2025-2026 Heating Season. Submit follow-up SVI Report in 2026 for review and comment.

Please proceed with finalizing Section 1.0 of the January 2025 SVI Report based on this memo, Department's/NYSDOH Comment Letter dated April 25, 2025, and these recommendations.

Thanks
Matt

**Matthew Hubicki**
Assistant Environmental Engineer, Remedial Bureau C
Division of Environmental Remediation

**New York State Department of Environmental Conservation**
625 Broadway, Albany, NY 12233-7014
P: (518) 402-9605 | F: (518) 402-9679 | matthew.hubicki@dec.ny.gov
New York State Department of Environmental Conservation (ny.gov) | | |

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**From:** Jessica Montaldo <JMontaldo@gesonline.com>
**Sent:** Tuesday, July 1, 2025 4:41 PM
**To:** Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>

**Cc:** Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Doroski, Melissa A (HEALTH) <melissa.doroski@health.ny.gov>; mdegloria@gesonline.com; Roth, Monica <monicaroth@regencycenters.com>; Maloney, Kerry A (DEC) <kerry.maloney@dec.ny.gov>; Jalanti, Caroline B (DEC) <Caroline.Jalanti@dec.ny.gov>
**Subject:** RE: NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

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Understood. Thank you for the update Matt.

**Jessica Montaldo, P.E.**
Project Engineer

**Office:** 800.360.9405 ext. 4328
**Mobile:** 315.416.8979

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**From:** Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
**Sent:** Tuesday, July 1, 2025 3:35 PM
**To:** Jessica Montaldo <JMontaldo@gesonline.com>
**Cc:** Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Doroski, Melissa A (HEALTH) <melissa.doroski@health.ny.gov>; Michael C. DeGloria <MDeGloria@gesonline.com>; Roth, Monica <monicaroth@regencycenters.com>; Maloney, Kerry A (DEC) <kerry.maloney@dec.ny.gov>; Jalanti, Caroline B (DEC) <Caroline.Jalanti@dec.ny.gov>
**Subject:** RE: NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

**Stop – Look – Think – Decide:** This e-mail came from outside of GES. Adhere to the guidelines of our ongoing GES cybersecurity awareness and training presentations. Be Aware – Be Smart

Hi Jessica – I was out of the office today, and we haven't had time to fully review this memo and discuss internally based upon on our last meeting with GES before submitting the final SVI Report.

Let me follow-up with DOH, and get back to GES after the holiday if another meeting/discussion is necessary.

Thanks
Matt

**Matthew Hubicki**
Assistant Environmental Engineer, Remedial Bureau C
Division of Environmental Remediation

**New York State Department of Environmental Conservation**
625 Broadway, Albany, NY 12233-7014
P: (518) 402-9605 | F: (518) 402-9679 | matthew.hubicki@dec.ny.gov
New York State Department of Environmental Conservation (ny.gov) | | |

**From:** Jessica Montaldo <JMontaldo@gesonline.com>
**Sent:** Tuesday, July 1, 2025 10:02 AM
**To:** Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
**Cc:** Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Doroski, Melissa A (HEALTH) <melissa.doroski@health.ny.gov>; mdegloria@gesonline.com; Roth, Monica <monicaroth@regencycenters.com>
**Subject:** RE: NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

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Good morning – I wanted to check in on the status of the Memo that GES submitted in response to the SVI Summary Report disapproval letter. Please let us know if you have any questions or would like to discuss. GES will then submit SVI Summary Report Revision 1.0, based on the discussion.

Thanks,
Jessica

**Jessica Montaldo, P.E.**
Project Engineer

**Office:** 800.360.9405 ext. 4328
**Mobile:** 315.416.8979

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*Licensed PE in NY*

**From:** Jessica Montaldo
**Sent:** Friday, June 13, 2025 2:50 PM
**To:** Hubicki, Matthew S (DEC) <matthew.hubicki@dec.ny.gov>
**Cc:** Ockerby, Renata E (HEALTH) <renata.ockerby@health.ny.gov>; Doroski, Melissa A (HEALTH) <melissa.doroski@health.ny.gov>; MDeGloria@gesonline.com; Roth, Monica <monicaroth@regencycenters.com>
**Subject:** NYSDEC Site Number V00104 - Carmel Shop-Rite Center - SVI Summary Report Follow-up Memo

Good afternoon,

Following the disapproval received by the NYSDEC for the SVI Summary Report (dated January 24, 2025) and the May 27, 2025 conference call with NYSDEC and NYSDOH, GES has drafted the attached Memo for the subject site to discuss historic conditions and resubmit recommendations. Please review the attached memo and let us know if you have any questions and/or comments.

The SVI Summary Report Revision 1.0 will be finalized and submitted once we receive feedback on the memo.

Thank you,
Jessica

**Jessica Montaldo, P.E.**
Project Engineer

**Office:** 800.360.9405 ext. 4328
**Mobile:** 315.416.8979
jmontaldo@GESonline.com

Groundwater & Environmental Services, Inc.
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# Appendix B – NYSDOH Indoor Air Quality Questionnaire and Building Inventory Forms

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

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

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

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

Purpose of Investigation: Indoor air test

**1. OCCUPANT:**

**Interviewed:** Y ✔ / N

Last Name: Na First Name: Na

Address: 178 Route 52 – Europa Pizza

County: Putnam

Home Phone: Office Phone:

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

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

**Interviewed:** Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

**3. BUILDING CHARACTERISTICS**

**Type of Building:** (Circle appropriate response)

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

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

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

**If multiple units, how many?** ___

**If the property is commercial, type?**

Business Type(s) Restaurant

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

**Other characteristics:**

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

## 4. AIRFLOW

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

Airflow between floors
Na

Airflow near source
Na

Outdoor air infiltration
Through front/rear doors

Infiltration into air ducts
Na

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

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

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

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

None observed.

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

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

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

**The primary type of fuel used is**:

| | | |
|---|---|---|
| Natural Gas ✔ | Fuel Oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

**Domestic hot water tank fueled by:** Gas

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

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

**Are there air distribution ducts present?** Y ✔ / N

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

Good

---

---

## 7. OCCUPANCY

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

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

## 8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

**Are there odors in the building?** Y / N ✔

If yes, please describe: _____

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

If yes, what types of solvents are used? _____

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

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

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

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

**9. WATER AND SEWAGE**

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

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

**10. RELOCATION INFORMATION (for oil spill residential emergency)**

**a. Provide reasons why relocation is recommended:** _____

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

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

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

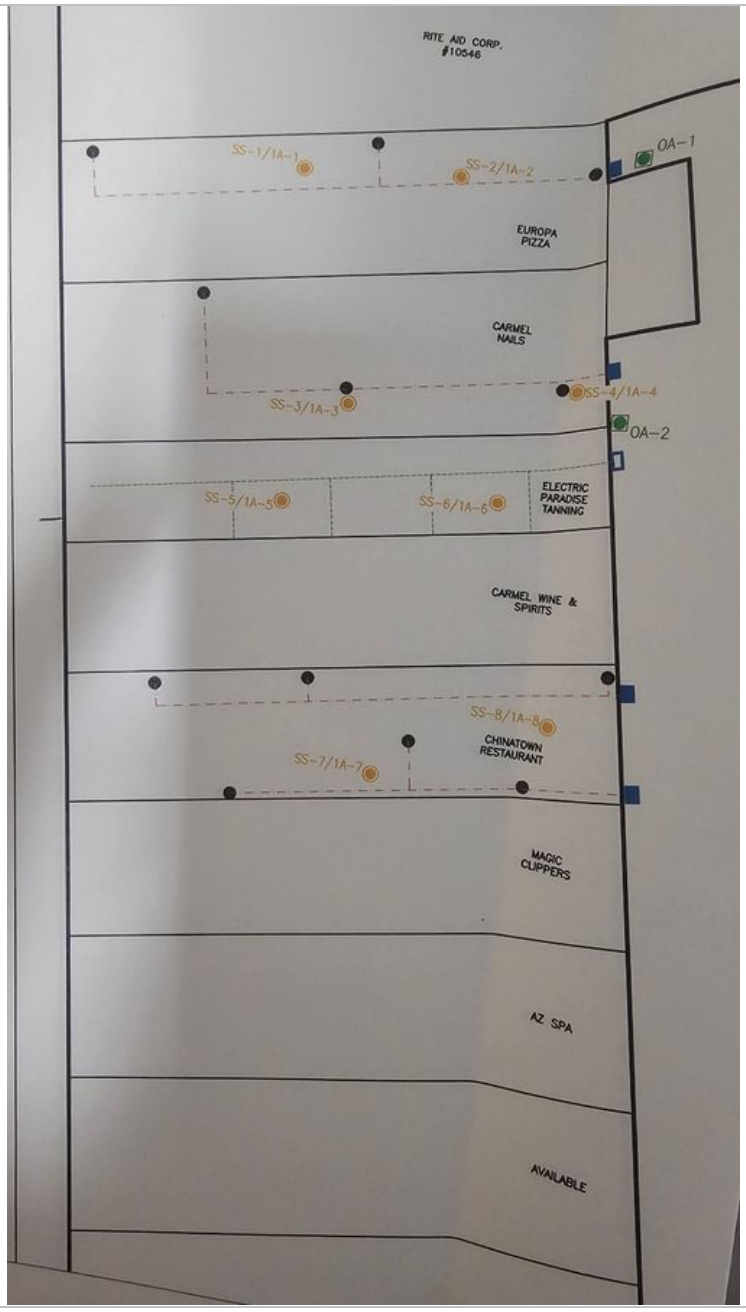
## 11. FLOOR PLANS

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

**Basement:**

| |
|---|
| Na |
| |

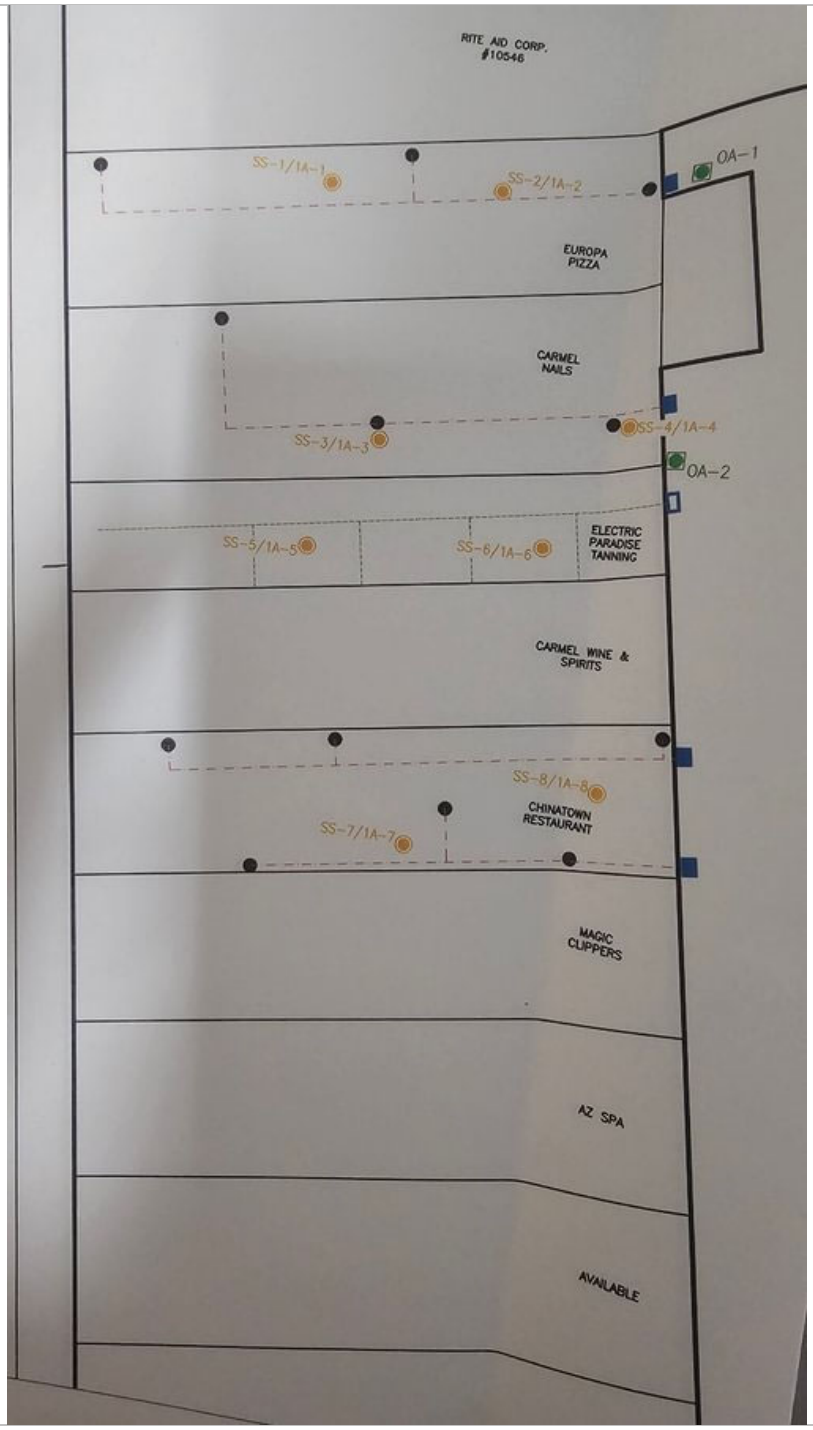
**First Floor:**


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

**12. OUTDOOR PLOT**

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

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



**13. PRODUCT INVENTORY FORM**

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

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

| **Location** | **Product Description** | **Size (units)** | **Condition*** | **Chemical Ingredients** | **Field Instrument Reading (units)** | **Photo ** Y / N** |
|---|---|---|---|---|---|---|
| Kitchen | Green Dishwashing Liquid | 1 gallon | Open | Typical = sodium lauryl ether sulfate; ammonium lauryl ether; dodecyl benzene sulfonic acid, alkyl polyglycolide; sodium hydroxide | 35 ppb | Y |
| Kitchen | Blow Off Duster | 6 oz | Open | 1,1,1,2-Tetrafluoroethane | 0 ppb | Y |
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* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

OSR – 3

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

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

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

Preparer's Affiliation: GES Phone No.: 8668395195

Purpose of Investigation: Indoor air test

**1. OCCUPANT:**

**Interviewed:** Y ✔ / N

Last Name: _____ First Name: _____

Address: 176 Route 52 – Carmel Nails

County: Putnam

Home Phone: _____ Office Phone: ___

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

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

**Interviewed:** Y / N ✔

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: ___ Office Phone: ___

**BUILDING CHARACTERISTICS**

**If the property is commercial, type?**

Business Type(s) Nail salon

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

**Other characteristics:**

Number of floors 1 floor at grade Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

## 3. AIRFLOW

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

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Na

Infiltration into air ducts

Na

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

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

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

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

None observed

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

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

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

**The primary type of fuel used is**:

| | | |
|---|---|---|
| Natural Gas ✔ | Fuel Oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

**Domestic hot water tank fueled by:** Gas

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

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

**Are there air distribution ducts present?** Y ✔ / N

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

Good condition

## 6. OCCUPANCY

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

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

## 7. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

**Are there odors in the building?** Y ✔ / N

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

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

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

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

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

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

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

**8. WATER AND SEWAGE**

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

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

**9. RELOCATION INFORMATION (for oil spill residential emergency)**

**a. Provide reasons why relocation is recommended:** _____

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

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

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

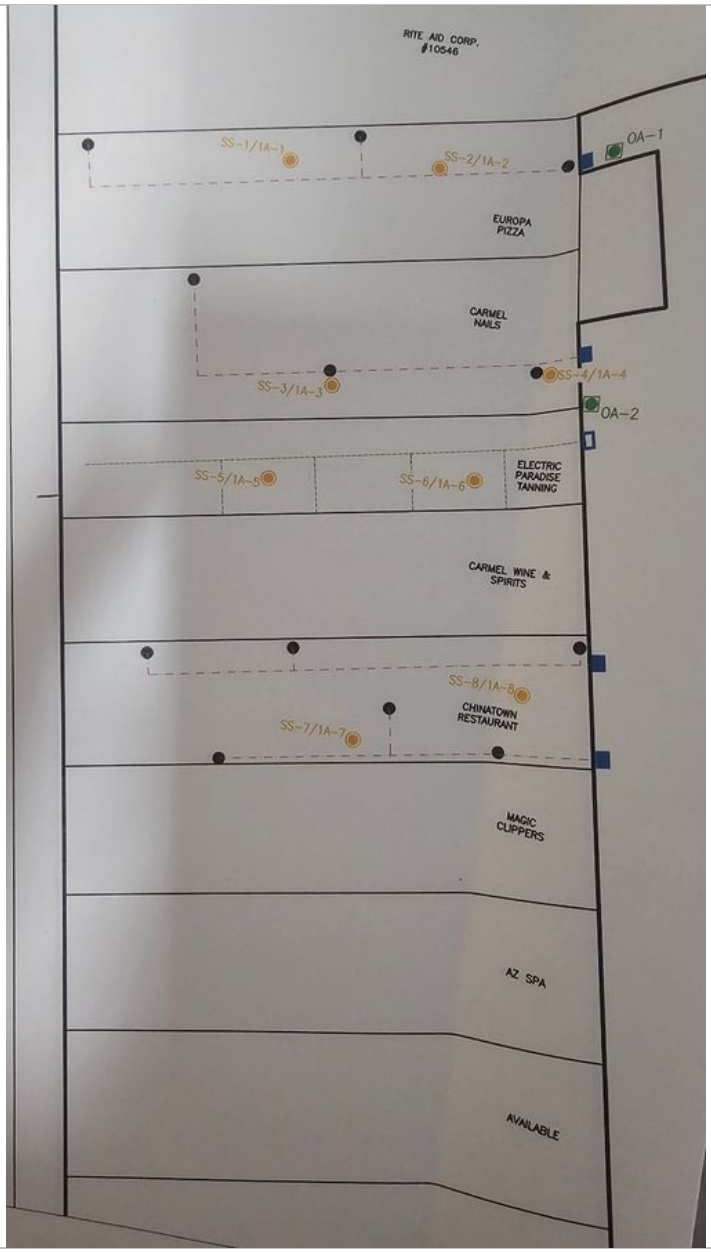
**10. FLOOR PLANS**

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

**Basement:**

| |
|---|
| Na |
| |

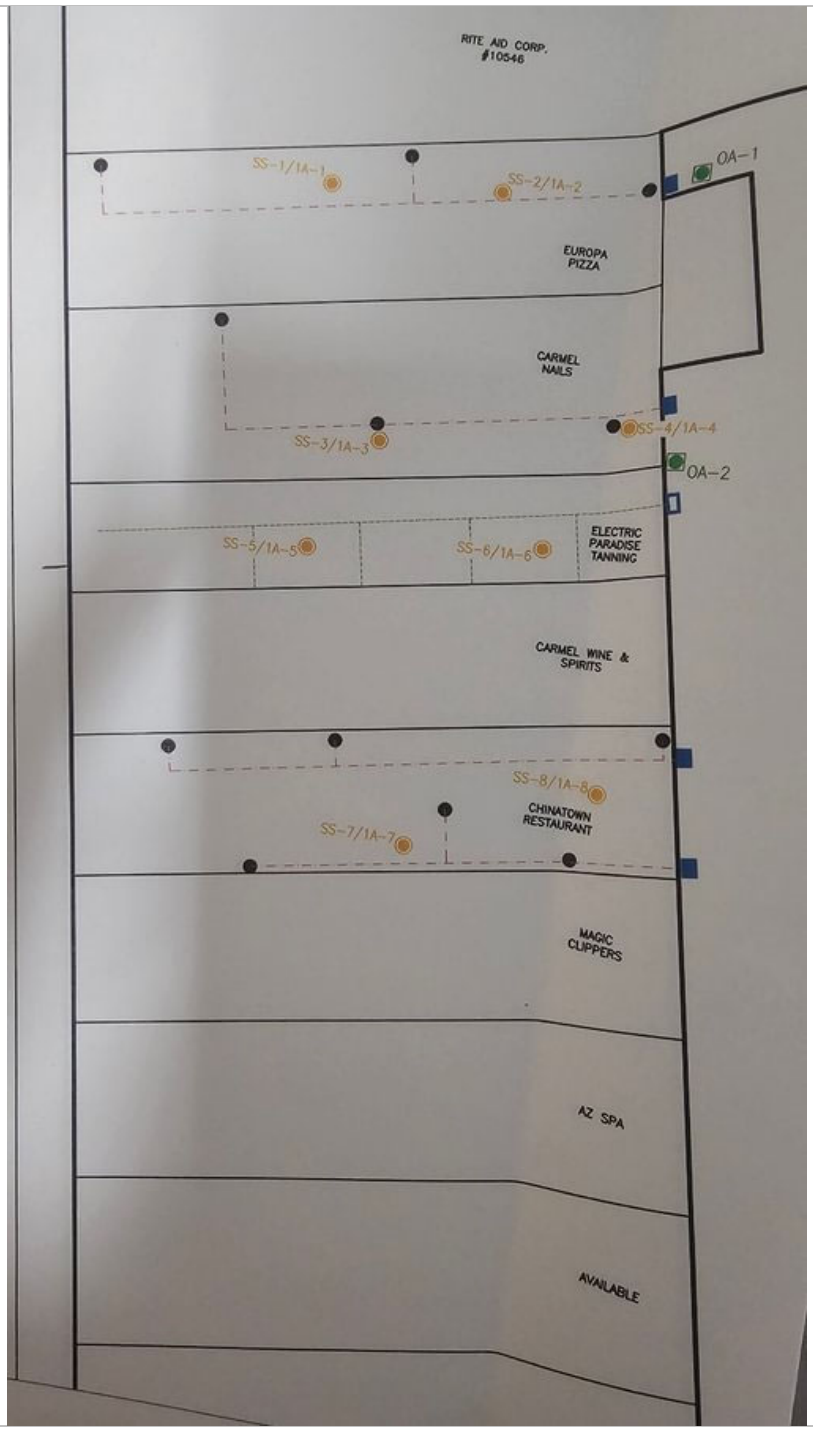
**First Floor:**


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

**11. OUTDOOR PLOT**

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

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



**12. PRODUCT INVENTORY FORM**

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

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

| **Location** | **Product Description** | **Size (units)** | **Condition*** | **Chemical Ingredients** | **Field Instrument Reading (units)** | **Photo ** Y / N** |
|---|---|---|---|---|---|---|
| Storage room | Acetone | 10 gallons | Uo and u | Acetone | 11.15 ppm | N |
| Storage room | Behr Masonry, Stucco & Brick Paint | 5 gallon | U | Kaolin, Limestone, Titanium dioxide, Wollastonite, Quartz | Not available due to high background reading ↓ | Y |
| Storage room | Lysol | 144 ounce | U | Water, C10-16 Alketh, benzalkonium Chloride, Fragrance, Sodium Tetraborate Decahydrate, Tetrasodium EDTA | | Y |
| Storage room | Drano Ultra | 80 ounce | Uo | Water, sodium metasilicate, proprietay surfactant blend, sodium hydroxide, sodium hypochlorite | | Y |
| | | | | | | |
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* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

## PRODUCT INVENTORY PHOTOGRAPHS

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

| | |
|---|---|
| Product Front | |
| Product Back | |

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

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

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

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

Purpose of Investigation: Indoor air test

**1. OCCUPANT:**

**Interviewed:** Y ✔ / N

Last Name: Na First Name: Dominique

Address: 174 Route 52 – Electric Paradise Tanning

County: Putnam

Home Phone: Office Phone:

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

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

**Interviewed:** Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

**3. BUILDING CHARACTERISTICS**

**Type of Building:** (Circle appropriate response)

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

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

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

**If multiple units, how many?** 4

**If the property is commercial, type?**

Business Type(s) Tanning salon

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

**Other characteristics:**

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

## 4. AIRFLOW

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

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Na

Infiltration into air ducts

Na

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

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

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

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

Na

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

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

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

**The primary type of fuel used is**:

| | | |
|---|---|---|
| Natural Gas ✔ | Fuel Oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

**Domestic hot water tank fueled by:** Na

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

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

**Are there air distribution ducts present?** Y ✔ / N

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

Good condition

## 7. OCCUPANCY

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

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

## 8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Are there odors in the building?** Y ✔ / N

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

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

If yes, what types of solvents are used? Cleaning

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

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

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

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

**9. WATER AND SEWAGE**

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

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

**10. RELOCATION INFORMATION (for oil spill residential emergency)**

**a. Provide reasons why relocation is recommended:** _____

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

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

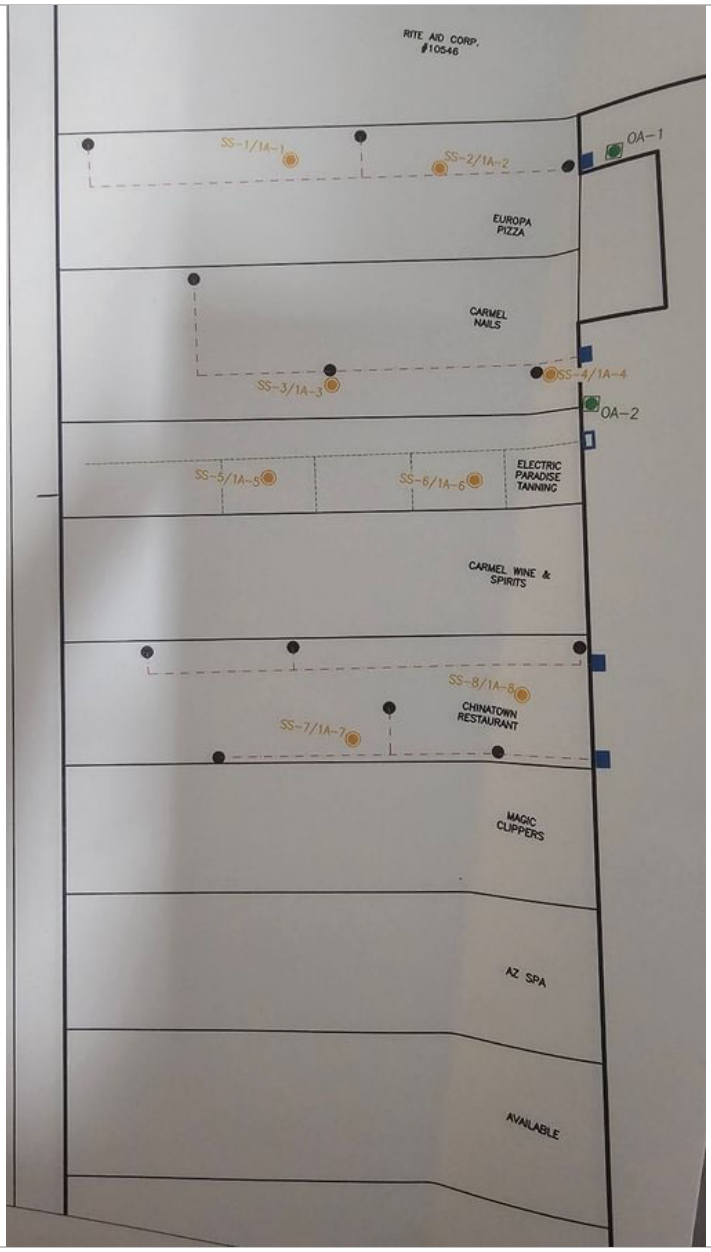
**d. Relocation package provided and explained to residents?** Y / N

**11. FLOOR PLANS**

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

**Basement:**

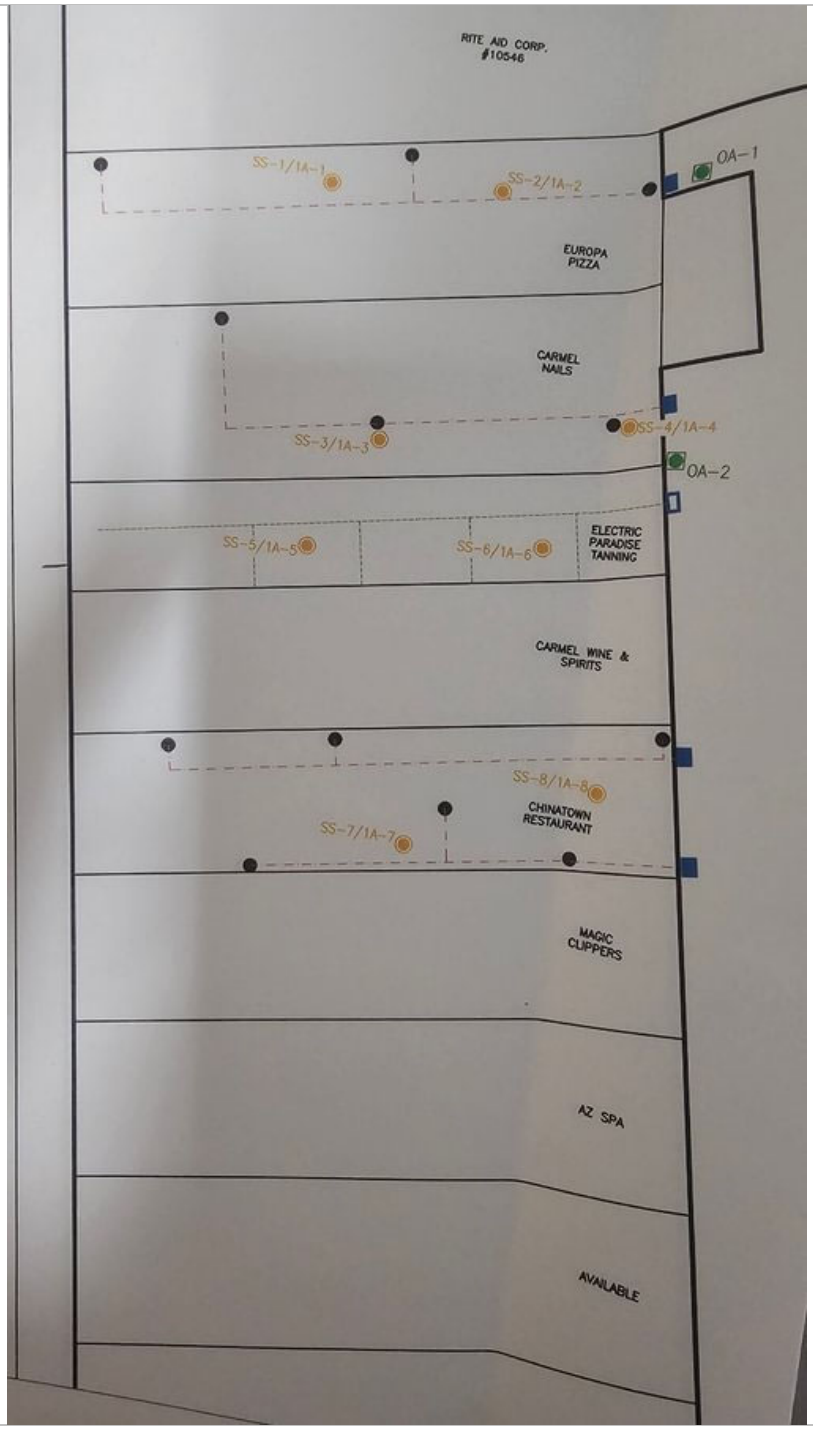
**First Floor:**


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

**12. OUTDOOR PLOT**

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

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



**13. PRODUCT INVENTORY FORM**

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

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

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

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

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

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

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

Purpose of Investigation: Indoor air sampling

**1. OCCUPANT:**

**Interviewed:** Y ✔ / N

Last Name: Na First Name: Na

Address: 170 Route 52 – Chinatown Restaurant

County: Putnam

Home Phone: Office Phone:

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

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

**Interviewed:** Y / N ✔

Last Name: First Name:

Address:

County:

Home Phone: Office Phone:

**3. BUILDING CHARACTERISTICS**

**Type of Building:** (Circle appropriate response)

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

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

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

**If multiple units, how many?** ___

**If the property is commercial, type?**

Business Type(s) Restaurant

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

**Other characteristics:**

Number of floors 1 Building age 42

Is the building insulated? Y ✔ / N

How air tight? Tight / Average ✔ / Not Tight

## 4. AIRFLOW

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

Airflow between floors

Na

Airflow near source

Na

Outdoor air infiltration

Backdoor is open

Infiltration into air ducts

Na

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

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

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

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

Na

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

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

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

**The primary type of fuel used is**:

| | | |
|---|---|---|
| Natural Gas ✔ | Fuel Oil | Kerosene |
| Electric | Propane | Solar |
| Wood | Coal | |

**Domestic hot water tank fueled by:** Gas

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

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

**Are there air distribution ducts present?** Y ✔ / N

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

Good condition

## 7. OCCUPANCY

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

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

## 8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Are there odors in the building?** Y / N ✔

If yes, please describe: _____

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

If yes, what types of solvents are used? _____

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

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

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

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

**9. WATER AND SEWAGE**

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

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

**10. RELOCATION INFORMATION (for oil spill residential emergency)**

**a. Provide reasons why relocation is recommended:** _____

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

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

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

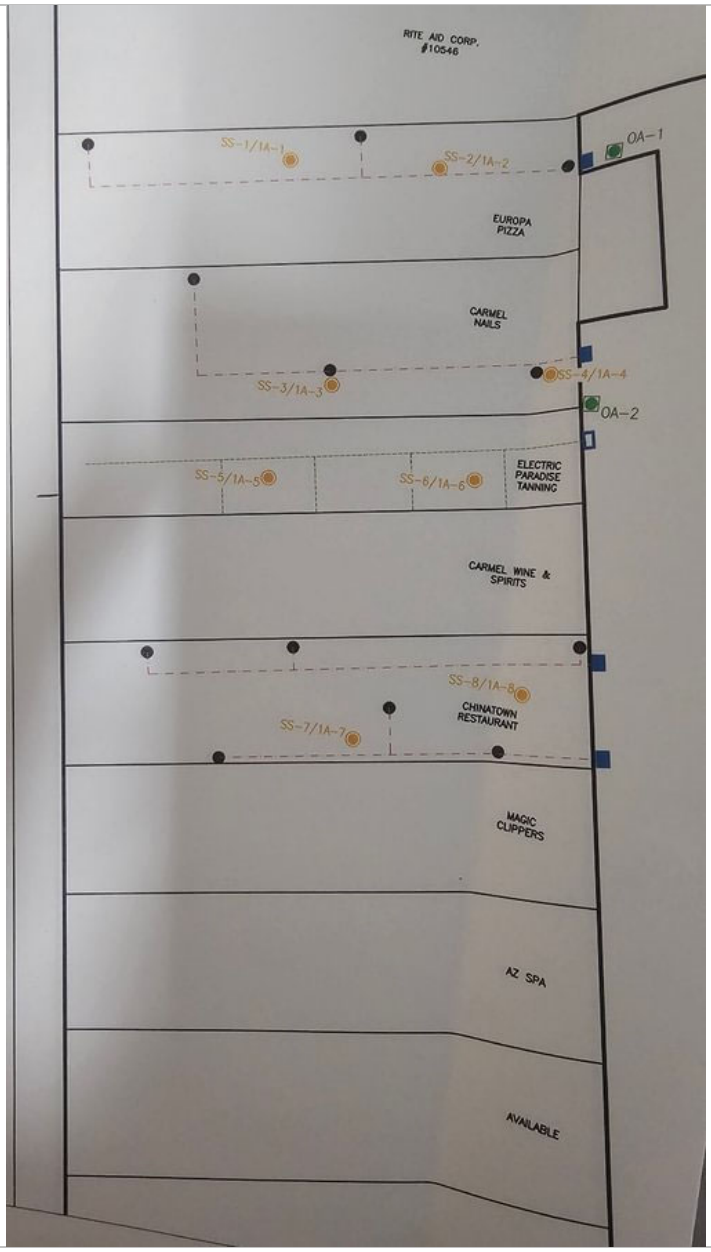
## 11. FLOOR PLANS

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

**Basement:**

| |
|---|
| Na |
| |

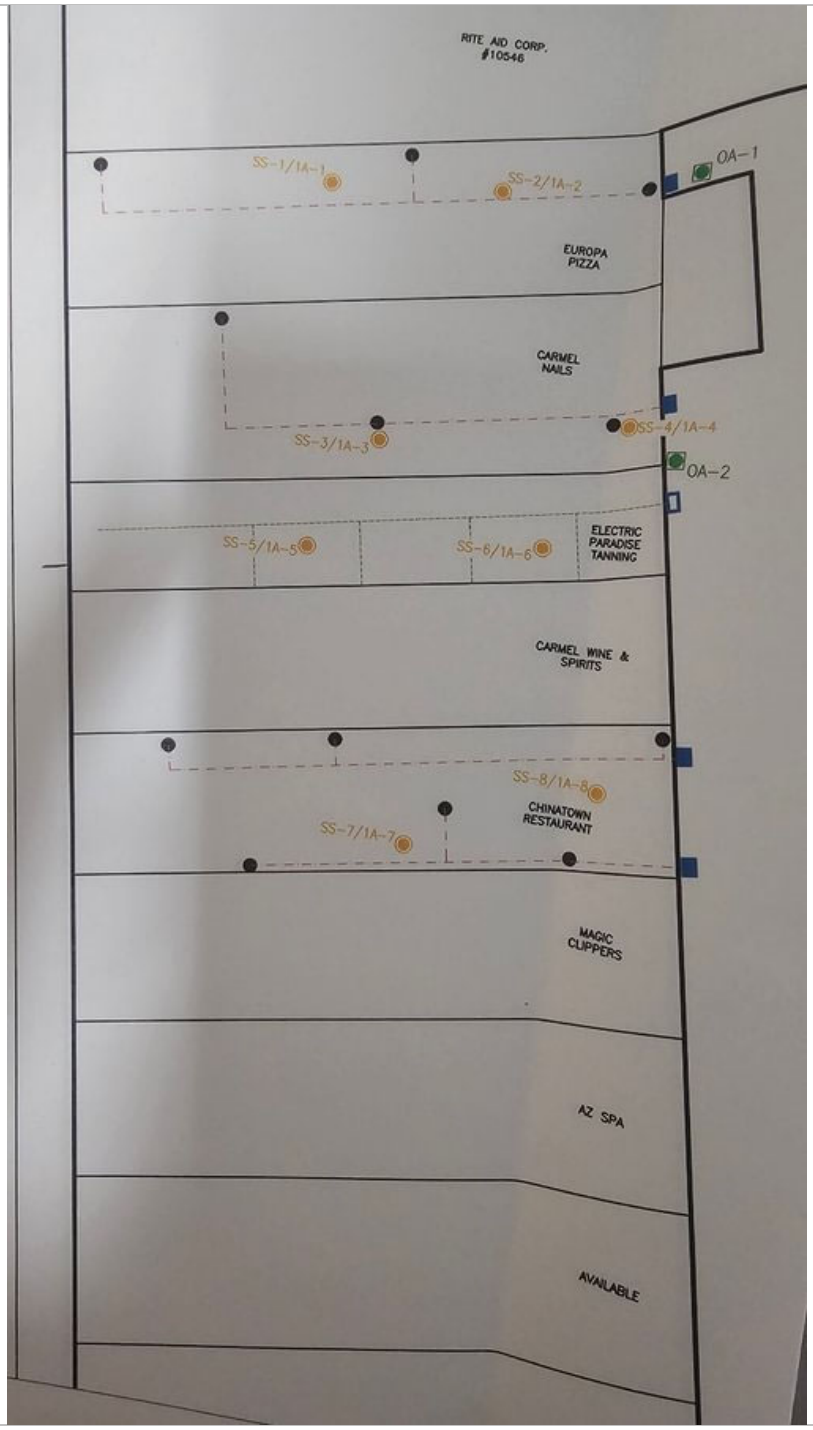
**First Floor:**


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

**12. OUTDOOR PLOT**

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

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



**13. PRODUCT INVENTORY FORM**

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

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

| **Location** | **Product Description** | **Size (units)** | **Condition*** | **Chemical Ingredients** | **Field Instrument Reading (units)** | **Photo ** Y / N** |
|---|---|---|---|---|---|---|
| Storage Room | So-Kleen | 1 gallon | U | dodecyl benzenesulphonate; Amines, coco alkyldimethyl, N-oxides and (R)-p-mentha-1,8-diene | 75 ppb | Y |
| | | | | | | |
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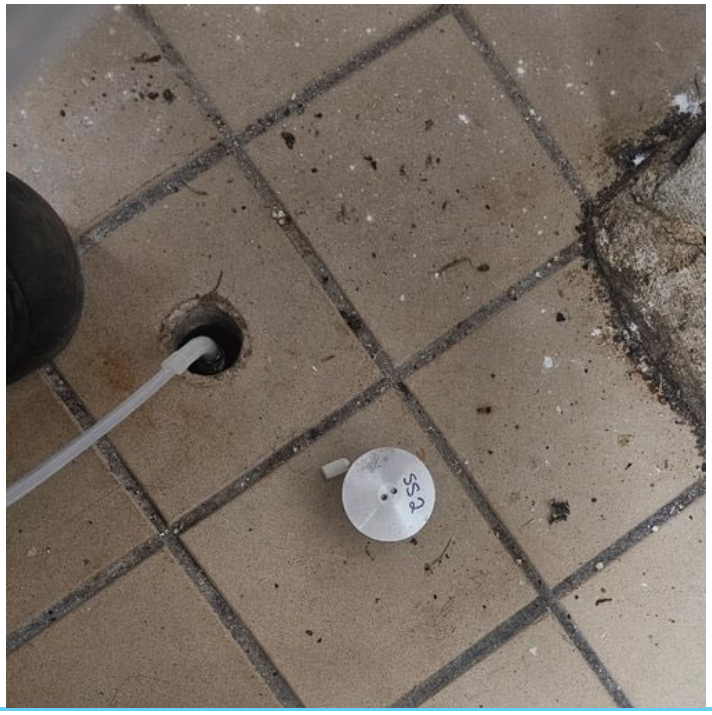
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

# Appendix C – Photograph Log

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

| | |
|---|---|
| **Photo #:** | 1 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-2 |
| **Comments:**<br><br>SS-2 | |




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

| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-2 |
| **Comments:**<br><br>SS-2 helium<br>0 PPM | |

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

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-1 |
| **Comments:**<br><br>SS-1<br>0 PPB | |

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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-1 |
| **Comments:**<br><br>SS-1 helium<br>0 PPM | |

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

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

**Comments:**

SS-1
0 PPB

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

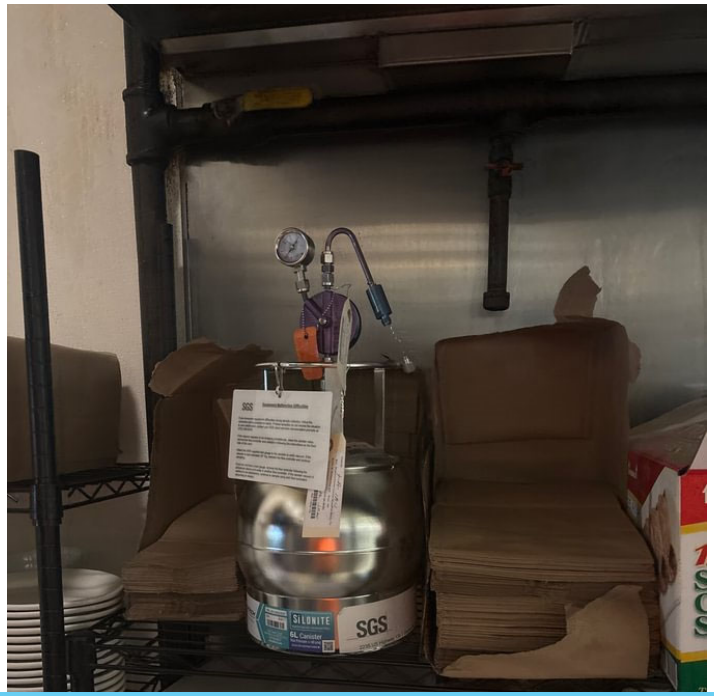
| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-1 |

**Comments:**

SS-1 summa

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

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-1 |
| **Comments:**<br><br>IA-1 summa | |




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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-2 |
| **Comments:**<br><br>SS-2<br>26 ppb | |

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

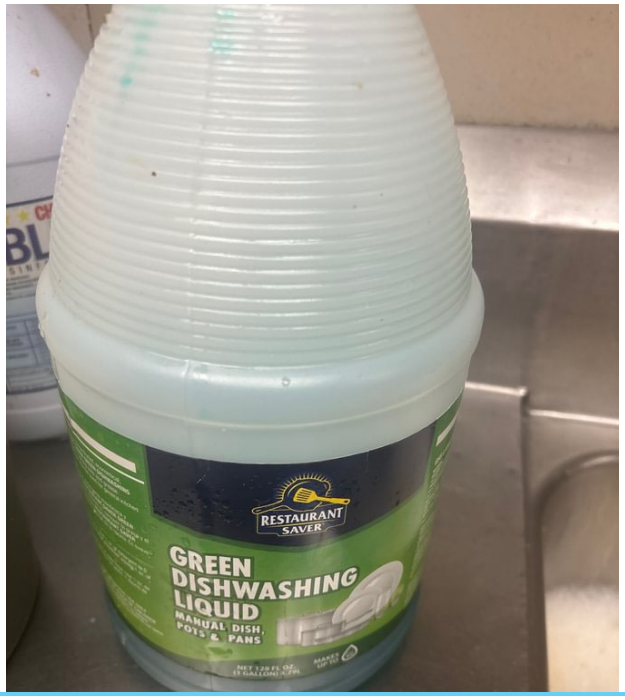
| | |
|---|---|
| **Photo #:** | 5 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-2 |
| **Comments:**<br><br>SS-2 summa | |

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

| | |
|---|---|
| **Photo #:** | 6 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-2 |
| **Comments:**<br><br>IA-2 summa | |

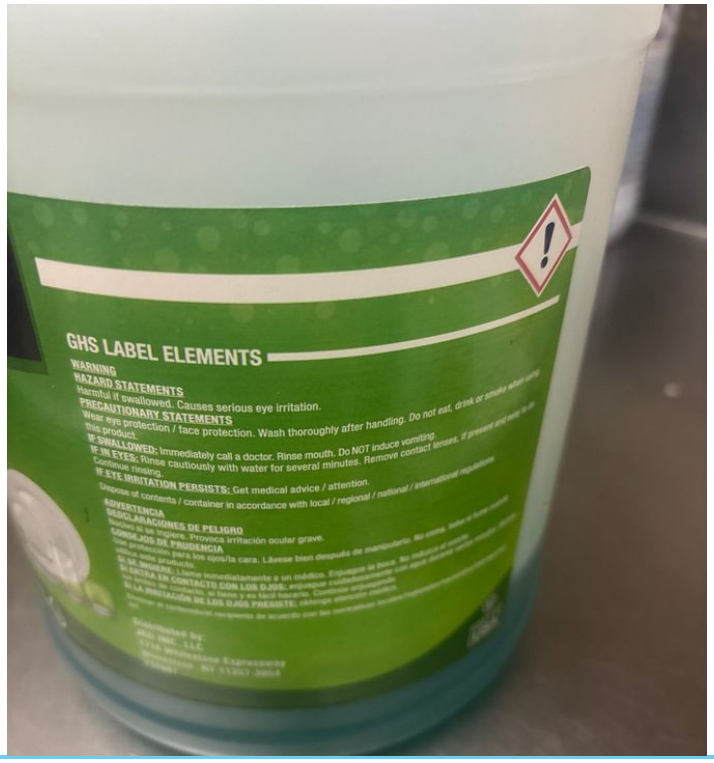
| | |
|---|---|
| **Client:** Regency Center (formerly Urstadt Biddle Properties Inc)<br>**Site Name:** UBPI/CarmelNY/GleneidaAve180 | **Project:** 1192323-02-217<br>**Site Location:** 178 Route 52 – Europa Pizza |

| | |
|---|---|
| **Photo #:** | 1 |
| **Date:** | 12/10/2024 |
| **Direction:** | Green Dishwasher Liquid |
| **Comments:**<br><br>Front | |




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

| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | Green dishwasher liquid |
| **Comments:**<br><br>Back. 1 gallon used. 35 ppb | |

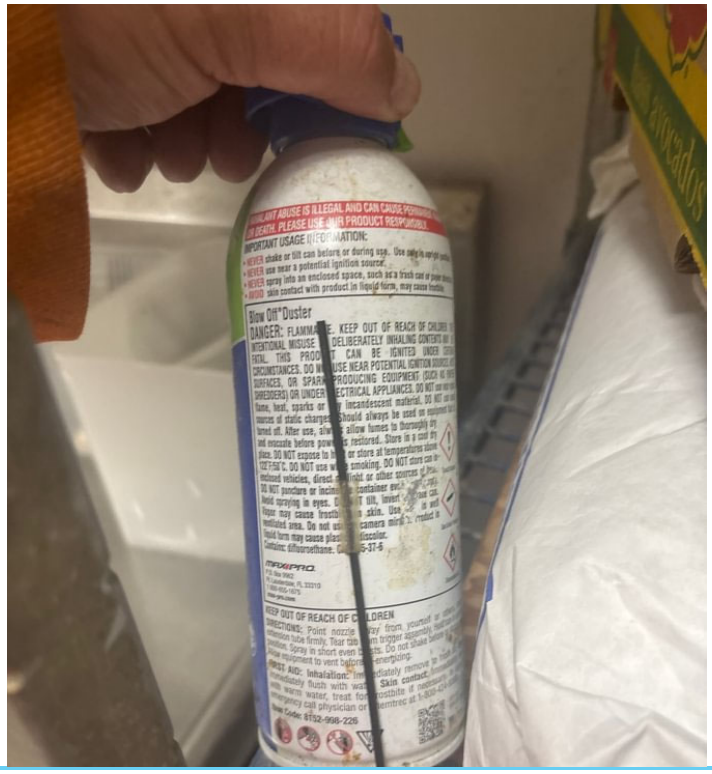


| | |
|---|---|
| **Client:** Regency Center (formerly Urstadt Biddle Properties Inc)<br>**Site Name:** UBPI/CarmelNY/GleneidaAve180 | **Project:** 1192323-02-217<br>**Site Location:** 178 Route 52 – Europa Pizza |

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | Blow off duster |
| **Comments:**<br><br>Front | |

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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | Blow off duster |
| **Comments:**<br><br>Back. Did Not spray. 0.0 ppb | |



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

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

**Comments:**

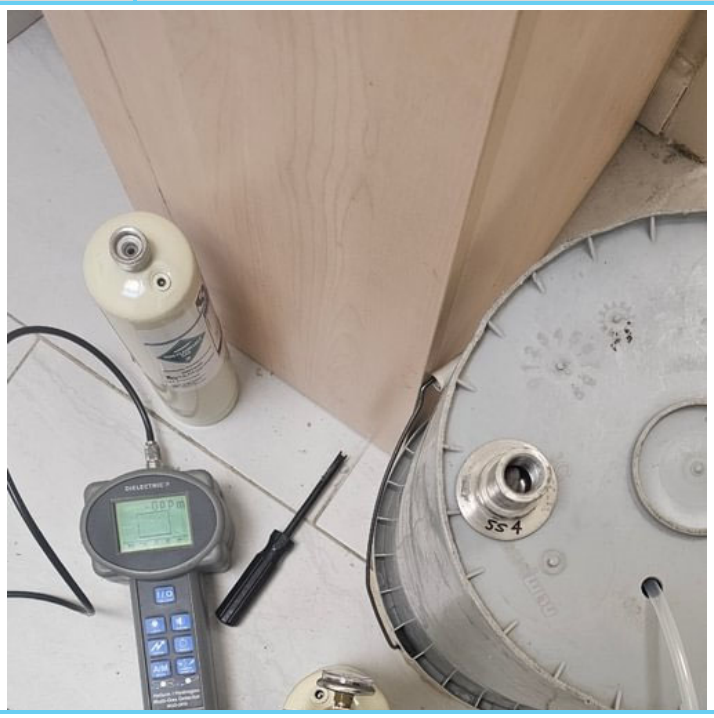
SS-4
147 PPB

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

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

**Comments:**

SS-4 helium
0 PPM

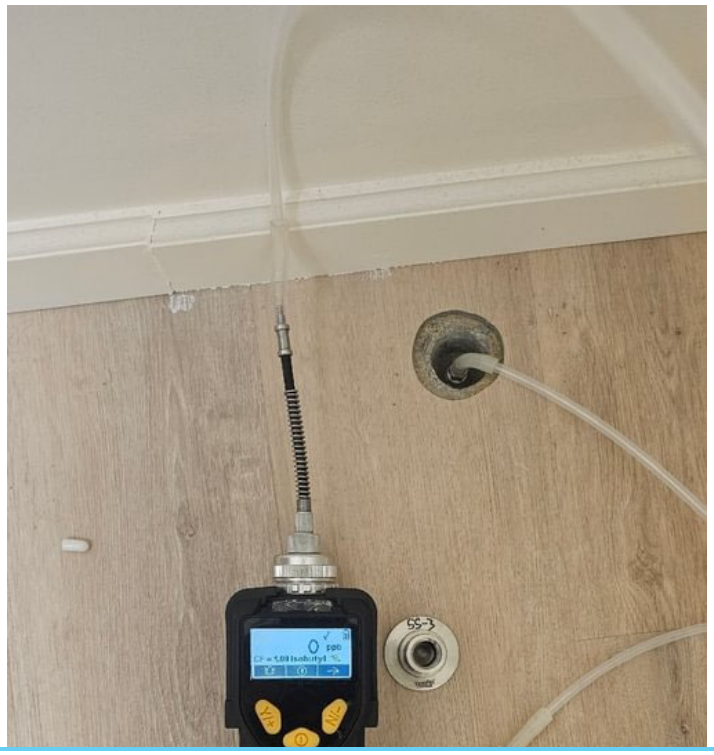


| | |
|---|---|
| **Client:** Regency Center (formerly Urstadt Biddle Properties Inc)<br>**Site Name:** UBPI/CarmelNY/GleneidaAve180 | **Project:** 1192323-02-217<br>**Site Location:** 176 Route 52 – Carmel Nails |

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-3 |
| **Comments:**<br><br>SS-3 helium<br>0 PPM | |

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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/09/2024 |
| **Direction:** | SS-3 |
| **Comments:**<br><br>SS-3<br>0 PPB | |



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

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

**Comments:**

SS-3
0 ppb

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

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

**Comments:**

SS-3 summa

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

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-3 |
| **Comments:**<br><br>IA-3 summa | |

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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-4 |
| **Comments:**<br><br>SS-4<br>27 ppb | |

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

| | |
|---|---|
| **Photo #:** | 5 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-4 |
| **Comments:**<br><br>SS-4 summa | |

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

| | |
|---|---|
| **Photo #:** | 6 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-4 |
| **Comments:**<br><br>IA-4 summa | |

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

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

**Comments:**

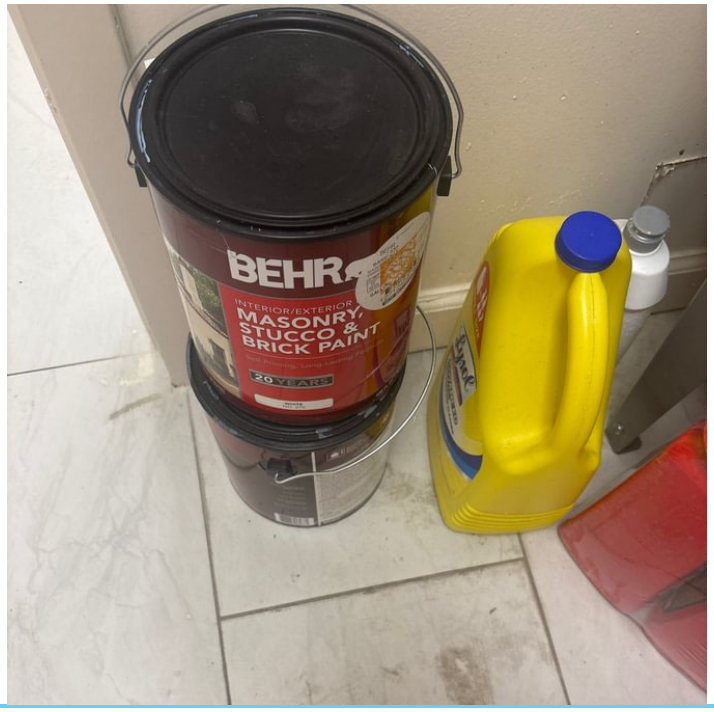
High ambient reading distorts inventory readings

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

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

**Comments:**

Used



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

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | Lysol |
| **Comments:**<br><br>Used | |

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

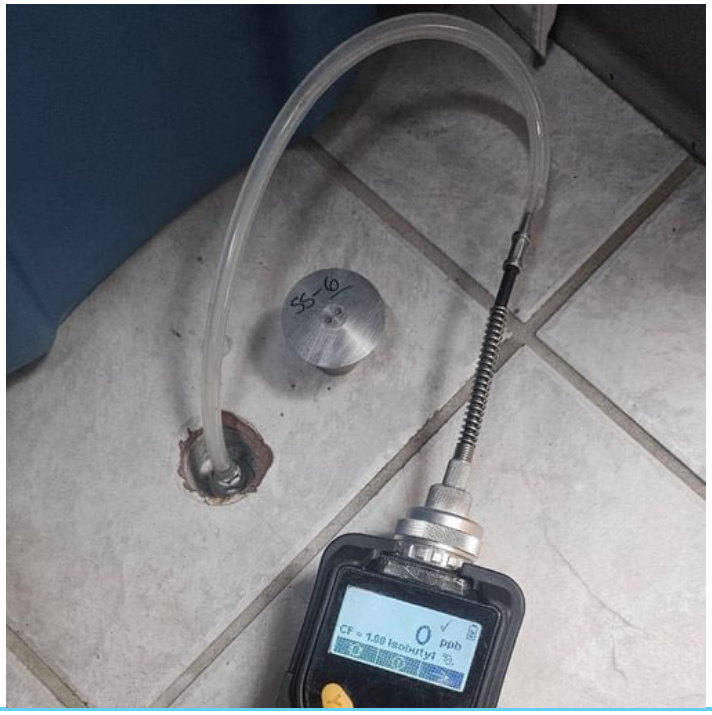
| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | Drano |
| **Comments:**<br><br>New | |

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

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

**Comments:**

SS-6
0 PPB




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

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

**Comments:**

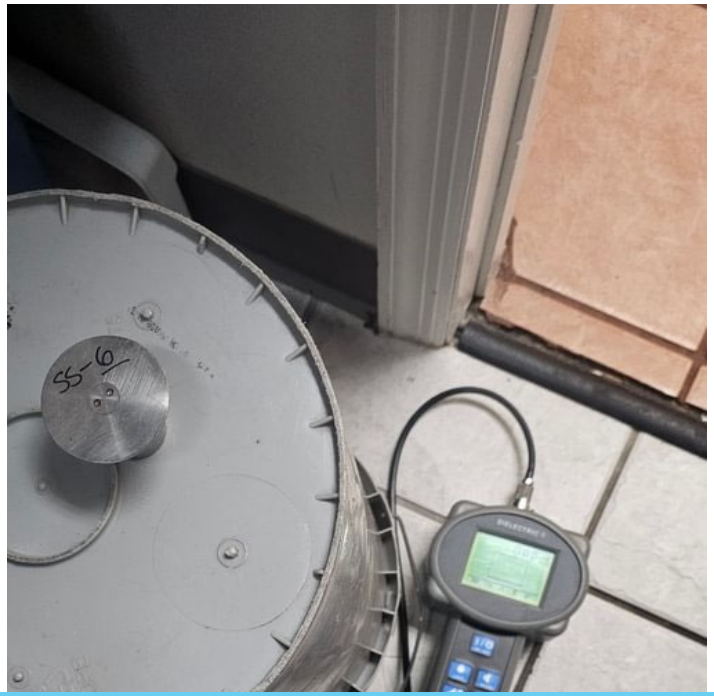
SS-5
0 PPB

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

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

**Comments:**

SS-6 helium
0 PPM




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

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

**Comments:**

SS-5 helium
0 PPM

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

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

**Comments:**

SS-5
0.0 ppb

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

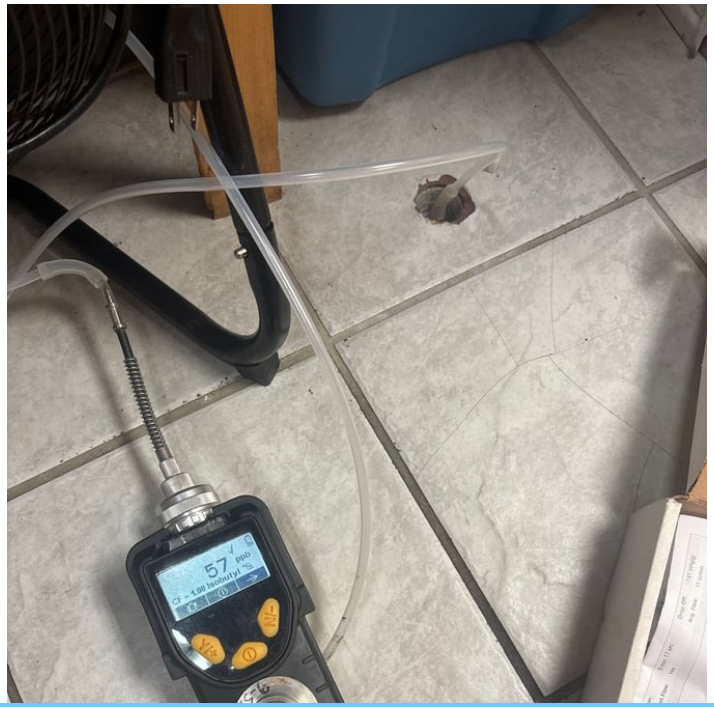
| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-5 |

**Comments:**

SS-5 and SS-5 (DUP)

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

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-6 |
| **Comments:**<br><br>SS-6<br>57 ppb | |




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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-6 |
| **Comments:**<br><br>Summa | |

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

| | |
|---|---|
| **Photo #:** | 5 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-6 |
| **Comments:**<br><br>Summa | |

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

| | |
|---|---|
| **Photo #:** | 6 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-5 |
| **Comments:**<br><br>IA-5 and DUP | |

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

| | |
|---|---|
| **Photo #:** | 7 |
| **Date:** | 12/09/2024 |
| **Direction:** | Na |

**Comments:**

Clorox cleaner/bleach
0.0 ppb

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

| | |
|---|---|
| **Photo #:** | 8 |
| **Date:** | 12/09/2024 |
| **Direction:** | Na |

**Comments:**

Fabuloso cleaner
0.0 ppb

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

| | |
|---|---|
| **Photo #:** | 9 |
| **Date:** | 12/09/2024 |
| **Direction:** | Na |

**Comments:**

Paint
0.0 ppb

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

| | |
|---|---|
| **Photo #:** | 10 |
| **Date:** | 12/09/2024 |
| **Direction:** | Na |

**Comments:**

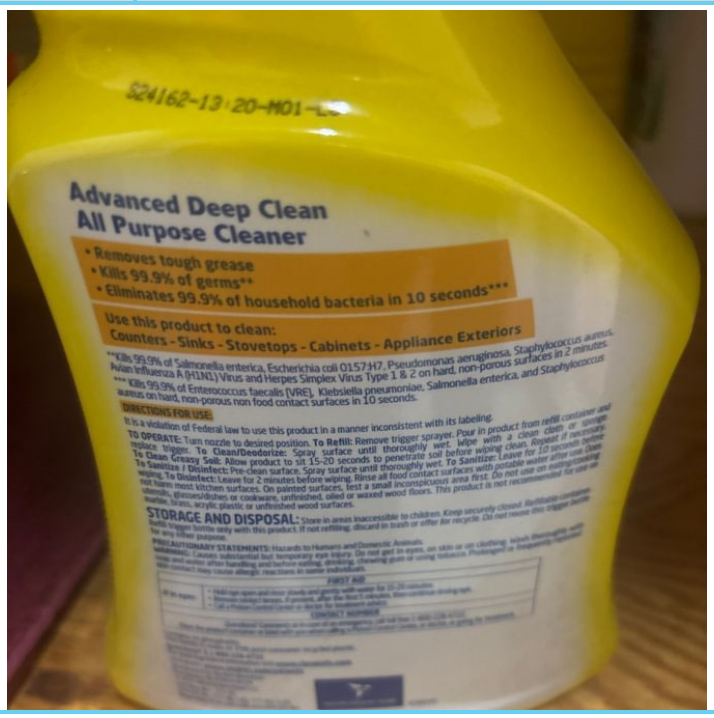
Glass cleaner
0.0 ppb

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

| | |
|---|---|
| **Photo #:** | 1 |
| **Date:** | 12/10/2024 |
| **Direction:** | Lysol |
| **Comments:**<br><br>Front | |

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

| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | Lysol |
| **Comments:**<br><br>Back used 3 gallons 0.0 ppb | |



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

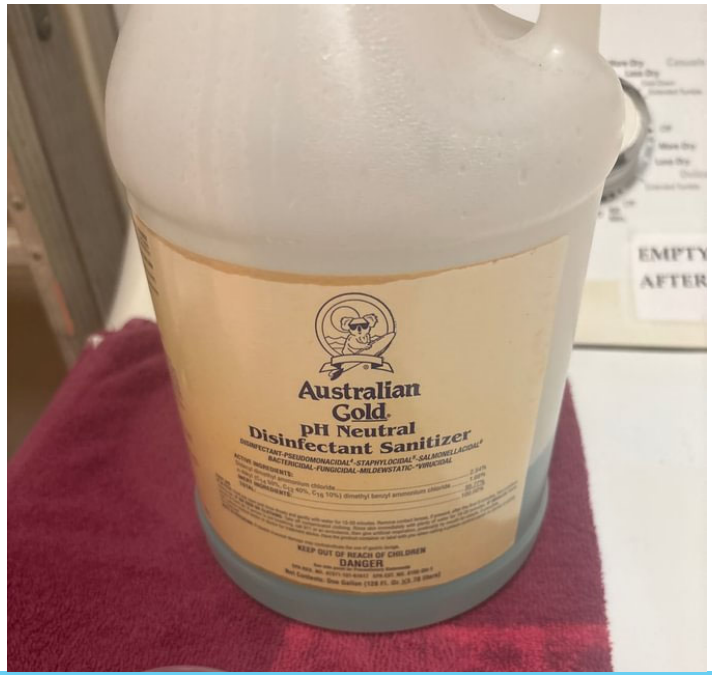
| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | Fabuloso |
| **Comments:**<br><br>Front | |

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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | Fabuloso |
| **Comments:**<br><br>Back 4.5 gallons used 0.0 ppb | |

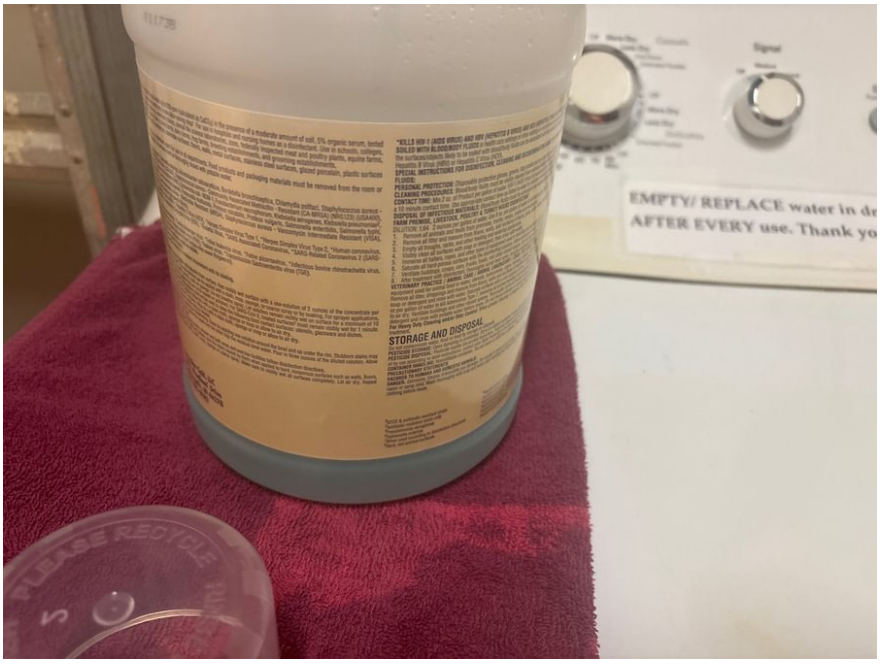
| | |
|---|---|
| **Client:** Regency Center (formerly Urstadt Biddle Properties Inc)<br>**Site Name:** UBPI/CarmelNY/GleneidaAve180 | **Project:** 1192323-02-217<br>**Site Location:** 174 Route 52 – Electric Paradise Tanning |

| | |
|---|---|
| **Photo #:** | 5 |
| **Date:** | 12/10/2024 |
| **Direction:** | Australian Gold |
| **Comments:**<br><br>Front | |




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

| | |
|---|---|
| **Photo #:** | 6 |
| **Date:** | 12/10/2024 |
| **Direction:** | Australian Gold |
| **Comments:**<br><br>Rear used 2 gallons 150 ppb | |



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

| | |
|---|---|
| **Photo #:** | 7 |
| **Date:** | 12/10/2024 |
| **Direction:** | Paints |
| **Comments:**<br><br>Used several gallons 0.0 ppb | |

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

| | |
|---|---|
| **Photo #:** | 8 |
| **Date:** | 12/10/2024 |
| **Direction:** | Berkley Jenson dryer sheets |
| **Comments:**<br><br>Used open 160 ppb | |

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

| | |
|---|---|
| **Photo #:** | 9 |
| **Date:** | 12/10/2024 |
| **Direction:** | Dryer vent |
| **Comments:**<br><br>Vents into closet 150 ppb from vent with dryer running | |

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

| | |
|---|---|
| **Photo #:** | 10 |
| **Date:** | 12/10/2024 |
| **Direction:** | |
| **Comments:** | |

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

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

**Comments:**

SS-8
0 PPB

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

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

**Comments:**

SS-8 helium

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

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

**Comments:**

SS-7
0 PPB

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

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

**Comments:**

SS-7 helium
0 PPM

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

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

**Comments:**

SS-7
0.0 ppb

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

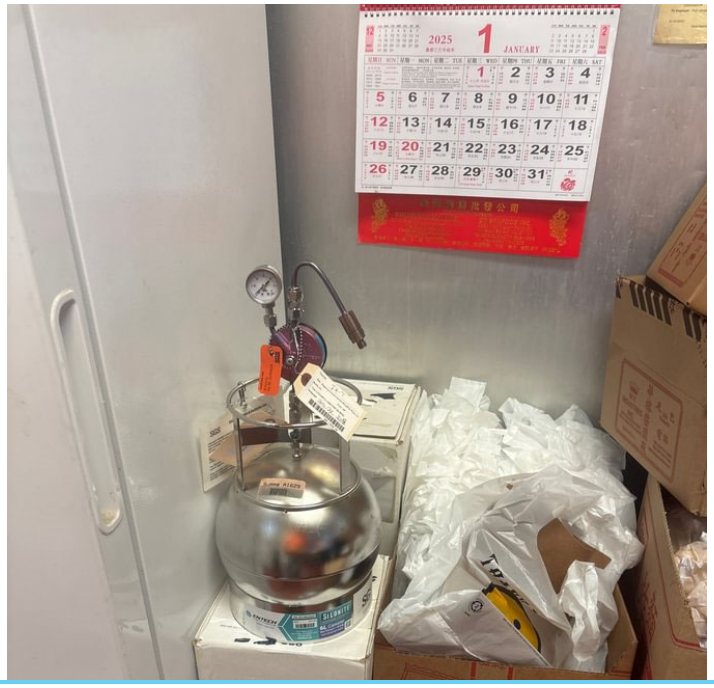
| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-7 |

**Comments:**

SS-7 summa

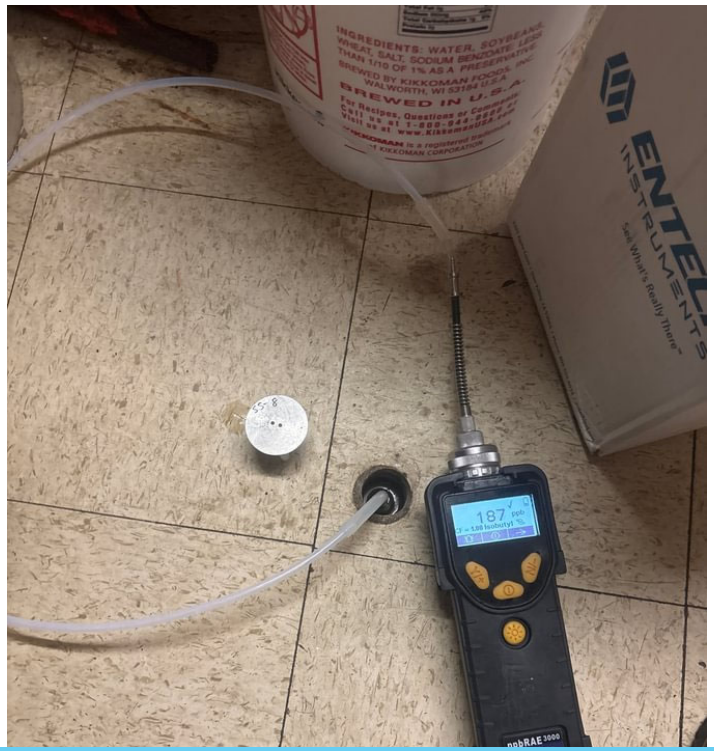
| | |
|---|---|
| **Client:** Regency Center (formerly Urstadt Biddle Properties Inc)<br>**Site Name:** UBPI/CarmelNY/GleneidaAve180 | **Project:** 1192323-02-217<br>**Site Location:** 170 Route 52 – Chinatown Restaurant |

| | |
|---|---|
| **Photo #:** | 3 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-7 |
| **Comments:**<br><br>IA-7 summa | |




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

| | |
|---|---|
| **Photo #:** | 4 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-8 |
| **Comments:**<br><br>SS-8<br>187 ppb | |



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

| | |
|---|---|
| **Photo #:** | 5 |
| **Date:** | 12/10/2024 |
| **Direction:** | SS-8 |
| **Comments:**<br><br>SS-8 summa | |

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

| | |
|---|---|
| **Photo #:** | 6 |
| **Date:** | 12/10/2024 |
| **Direction:** | IA-8 |
| **Comments:**<br><br>IA-8 summa | |

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

| | |
|---|---|
| **Photo #:** | 1 |
| **Date:** | 12/10/2024 |
| **Direction:** | So Kleen |
| **Comments:**<br><br>Front | |

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

| | |
|---|---|
| **Photo #:** | 2 |
| **Date:** | 12/10/2024 |
| **Direction:** | So kleen |
| **Comments:**<br><br>Back used. 6 gallons. 75 ppb | |

# Appendix D – Laboratory Analytical Results

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

*e-Hardcopy 2.0*
*Automated Report*

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2488

Sampling Date: 12/10/24

Report to:

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

ATTN: Michael DeGloria

Total number of pages in report: **410**

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

Olga Azarian
Technical Director

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

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Test results relate only to samples analyzed.



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EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7

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SGS North America Inc.

# Sample Summary

Groundwater & Environmental Services

**Job No:** JE2488

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JE2488-1 | 12/10/24 | 17:47 | RB | 12/12/24 | AIR | Ambient Air Comp. | OA-1 |
| JE2488-2 | 12/10/24 | 17:51 | RB | 12/12/24 | AIR | Ambient Air Comp. | OA-2 |

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the RL

# CASE NARRATIVE / CONFORMANCE SUMMARY

| | | | |
|---|---|---|---|
| **Client:** | Groundwater & Environmental Services | **Job No:** | JE2488 |
| **Site:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | **Report Date** | 12/23/2024 7:57:30 A |

On 12/12/2024, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE2488 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

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

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2135

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2666-1DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of 1,2-Dichloroethane, Bromoform, Hexachlorobutadiene, Methyl Tert Butyl Ether, Tetrahydrofuran, Ethyl Acetate, Methyl ethyl ketone, Methylmethacrylate, Tertiary Butyl Alcohol, Vinyl Acetate are outside control limits.
- V5W2135-BS for Ethyl Acetate: Outside in house control limits.
- JE2488-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- V5W2135-BS for Vinyl Acetate: Outside in house control limits.
- V5W2135-BS for Tertiary Butyl Alcohol: Outside in house control limits.
- JE2488-1 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Methyl ethyl ketone: Outside in house control limits.
- JE2488-1 for Methylmethacrylate: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Tetrahydrofuran: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methyl Tert Butyl Ether: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for 1,2-Dichloroethane: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methylmethacrylate: Outside in house control limits.
- JE2488-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2135

- JE2488-2 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Methylmethacrylate: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Methyl ethyl ketone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JE2488-1 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2488-2 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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

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

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

# Summary of Hits



**Job Number:** JE2488
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2488-1** | **OA-1** | | | | | |
| Acetone (2-Propanone) | | 1.9 | 0.16 | | ppbv | TO-15 |
| Benzene | | 0.36 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.54 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.085 | 0.032 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.57 | 0.16 | | ppbv | TO-15 |
| Ethanol | | 2.3 | 0.40 | | ppbv | TO-15 |
| Ethyl Acetate [a] | | 3.1 | 0.16 | | ppbv | TO-15 |
| Freon 113 | | 0.085 | 0.080 | | ppbv | TO-15 |
| Hexane | | 0.42 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 0.42 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | | 0.48 | 0.16 | | ppbv | TO-15 |
| Toluene | | 0.27 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.29 | 0.080 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 4.5 | 0.38 | | ug/m3 | TO-15 |
| Benzene | | 1.2 | 0.51 | | ug/m3 | TO-15 |
| Chloromethane | | 1.1 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.53 | 0.20 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.8 | 0.79 | | ug/m3 | TO-15 |
| Ethanol | | 4.3 | 0.75 | | ug/m3 | TO-15 |
| Ethyl Acetate [a] | | 11 | 0.58 | | ug/m3 | TO-15 |
| Freon 113 | | 0.65 | 0.61 | | ug/m3 | TO-15 |
| Hexane | | 1.5 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 1.0 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 1.7 | 0.56 | | ug/m3 | TO-15 |
| Toluene | | 1.0 | 0.60 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 1.6 | 0.45 | | ug/m3 | TO-15 |
| **JE2488-2** | **OA-2** | | | | | |
| Acetone (2-Propanone) | | 4.8 | 0.16 | | ppbv | TO-15 |
| Benzene | | 0.85 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.62 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.087 | 0.032 | | ppbv | TO-15 |
| Cyclohexane | | 0.17 | 0.16 | | ppbv | TO-15 |
| 1,4-Dioxane | | 0.16 | 0.16 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.58 | 0.16 | | ppbv | TO-15 |
| Ethanol | | 2.8 | 0.40 | | ppbv | TO-15 |
| Ethyl Acetate [a] | | 2.6 | 0.16 | | ppbv | TO-15 |
| Heptane [b] | | 0.29 | 0.16 | | ppbv | TO-15 |
| Hexane | | 1.0 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 0.49 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | | 0.73 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [a] | | 0.19 | 0.16 | | ppbv | TO-15 |

# Summary of Hits

**Job Number:** JE2488
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| 2,2,4-Trimethylpentane | | 0.40 | 0.16 | | ppbv | TO-15 |
| Toluene | | 0.64 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.32 | 0.080 | | ppbv | TO-15 |
| m,p-Xylene | | 0.30 | 0.16 | | ppbv | TO-15 |
| Xylenes (total) | | 0.42 | 0.16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 11 | 0.38 | | ug/m3 | TO-15 |
| Benzene | | 2.7 | 0.51 | | ug/m3 | TO-15 |
| Chloromethane | | 1.3 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.55 | 0.20 | | ug/m3 | TO-15 |
| Cyclohexane | | 0.59 | 0.55 | | ug/m3 | TO-15 |
| 1,4-Dioxane | | 0.58 | 0.58 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.9 | 0.79 | | ug/m3 | TO-15 |
| Ethanol | | 5.3 | 0.75 | | ug/m3 | TO-15 |
| Ethyl Acetate [a] | | 9.4 | 0.58 | | ug/m3 | TO-15 |
| Heptane [b] | | 1.2 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 3.5 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 1.2 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 2.5 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [a] | | 0.56 | 0.47 | | ug/m3 | TO-15 |
| 2,2,4-Trimethylpentane | | 1.9 | 0.75 | | ug/m3 | TO-15 |
| Toluene | | 2.4 | 0.60 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 1.8 | 0.45 | | ug/m3 | TO-15 |
| m,p-Xylene | | 1.3 | 0.69 | | ug/m3 | TO-15 |
| Xylenes (total) | | 1.8 | 0.69 | | ug/m3 | TO-15 |

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.

## Sample Results

Report of Analysis

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-1 | | |
| **Lab Sample ID:** | JE2488-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A1324 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55772.D | 1 | 12/20/24 07:15 | TCH | n/a | n/a | V5W2135 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 1.9 | 0.16 | ppbv | | 4.5 | 0.38 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.36 | 0.16 | ppbv | | 1.2 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [a] | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.16 | ppbv | | ND | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.54 | 0.16 | ppbv | | 1.1 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.085 | 0.032 | ppbv | | 0.53 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.16 | ppbv | | ND | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [a] | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.57 | 0.16 | ppbv | | 2.8 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene [a] | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-1 | | |
| **Lab Sample ID:** | JE2488-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A1324 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 2.3 | 0.40 | ppbv | | 4.3 | 0.75 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [b] | 3.1 | 0.16 | ppbv | | 11 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | 0.085 | 0.080 | ppbv | | 0.65 | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane [c] | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [a] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.42 | 0.16 | ppbv | | 1.5 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 0.42 | 0.16 | ppbv | | 1.0 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.48 | 0.16 | ppbv | | 1.7 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [a] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [a] | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate [a] | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [d] | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.16 | ppbv | | ND | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol [c] | ND | 0.16 | ppbv | | ND | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | ND | 0.032 | ppbv | | ND | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [a] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.27 | 0.16 | ppbv | | 1.0 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.29 | 0.080 | ppbv | | 1.6 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [c] | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-1 | | |
| **Lab Sample ID:** | JE2488-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A1324 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

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

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

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

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-2 | | |
| **Lab Sample ID:** | JE2488-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A879 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55773.D | 1 | 12/20/24 08:03 | TCH | n/a | n/a | V5W2135 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 4.8 | 0.16 | ppbv | | 11 | 0.38 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.85 | 0.16 | ppbv | | 2.7 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [a] | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.16 | ppbv | | ND | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.62 | 0.16 | ppbv | | 1.3 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.087 | 0.032 | ppbv | | 0.55 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | 0.17 | 0.16 | ppbv | | 0.59 | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [a] | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | 0.16 | 0.16 | ppbv | | 0.58 | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.58 | 0.16 | ppbv | | 2.9 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene [a] | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-2 | | |
| **Lab Sample ID:** | JE2488-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A879 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 2.8 | 0.40 | ppbv | | 5.3 | 0.75 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [b] | 2.6 | 0.16 | ppbv | | 9.4 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane [c] | 0.29 | 0.16 | ppbv | | 1.2 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [a] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 1.0 | 0.16 | ppbv | | 3.5 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 0.49 | 0.16 | ppbv | | 1.2 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.73 | 0.16 | ppbv | | 2.5 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [b] | 0.19 | 0.16 | ppbv | | 0.56 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [a] | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate [a] | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [d] | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.40 | 0.16 | ppbv | | 1.9 | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol [c] | ND | 0.16 | ppbv | | ND | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | ND | 0.032 | ppbv | | ND | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [a] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.64 | 0.16 | ppbv | | 2.4 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.32 | 0.080 | ppbv | | 1.8 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [c] | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.30 | 0.16 | ppbv | | 1.3 | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.42 | 0.16 | ppbv | | 1.8 | 0.69 | ug/m3 |

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

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | OA-2 | | |
| **Lab Sample ID:** | JE2488-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Ambient Air Comp. Summa ID: A879 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

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

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

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

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

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

SGS ACCUTEST

# AIR CHAIN OF CUSTODY

AIR

JE2488

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

| FED-EX Tracking # | Bottle Order Control # MM-012624-115 | PAGE _1__ OF _1__ |
|---|---|---|
| Lab Quote # | Lab Job # | |

| Client / Reporting Information | | | Project Information | | Weather Parameters | | Requested Analysis |
|---|---|---|---|---|---|---|---|
| Company Name: Groundwater & Environmental Services | | | Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY | | Temperature (Fahrenheit) Start: 40 Maximum: 41 | | |
| Address: 63 East Street, Suite 3 | | | Street: 180 Glenida Avenue "OUTDOOR CONTROL" | | Stop: 41 Minimum: 40 | | |
| City: Pawling | State: NY | Zip: 12564 | City: Carmel | State: NY | Atmospheric Pressure (Inches of Hg) Start: 30.20 Maximum: 30.20 | | |
| Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com | | Project #: 1192323-02-210 -1111 | | Stop: 30.00 Minimum: 30.00 | | |
| Phone #: 866-839-5195 | Fax #: | | Client Purchase Order #: Invoice to GES, please reference Project # | | | | |
| Sampler(s) Name(s): R. Brown | | | | | Other weather comment: | | |

| Lab Sample # | Field ID / Point of Collection | Air Type: Indoor(I) Soil Vap(SV) Ambient(A) | Sampling Equipment Info: Canister Serial # | Canister Size 6L or 1L | Flow Controller Serial # | Start Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Stop Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Requested Analysis: VTO15NYSVLL | VTO15NYLL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | OA-1 | A | A1324 | 6L | 1259 | 12/10/24 | 0550 | 28.5 | 40 | RB | 12/10/24 | 1747 | 5.0 | 41 | RB | | X | | |
| 2 | OA-2 | A | A879 | 6L | 1238 ~~A879~~ | 12/10/24 | 0555 | 30.0 | 40 | RB | 12/10/24 | 1751 | 4.0 | 41 | RB | | X | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |

| Turnaround Time (Business days) | | Data Deliverable Information | Comments / Remarks |
|---|---|---|---|
| Standard - 15 Days | GES Std | All NJDEP TO-15 is mandatory Full T1 | VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient |
| 10 Day | | Comm A | NYCATB Report |
| 5 Day | | Comm B | Initial Assessment LA+R |
| 3 Day | | Reduced T2 | Label Verification |
| 2 Day | | Full T1 | Sample Inventory is verified upon receipt in the Laboratory |
| 1 Day | | Other: | |
| Other | | DKQP reporting | |

Approved By: _____ Date: _____

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

| Relinquished by Sampler: 1 | Date Time: 12/10/24 2030 | Received By: 1 LHS office (FEDEX 12/__/24) | Relinquished By: 2 | Date Time: 12/11/24 0830 | Received By: 2 FEDEX |
|---|---|---|---|---|---|
| Relinquished by: 3 FEDEX | Date Time: 12/12/24 1100 | Received By: 3 | Relinquished By: 4 | Date Time: | Received By: 4 |
| Relinquished by: 5 | Date Time: | Received By: 5 | Custody Seal # | | |

AIR SAMPLING EQUIPMENT RETURN FORM

Client: _____ Project: _____

Control: _____ Job: JE2488

Additional Summa Canisters: 3 — M234

Additional Controllers: FC1281

| Relinquished By: | Date&Time | Received By: FEDEX | Date&Time |
|---|---|---|---|
| Relinquished By: FEDEX | Date&Time 12/12/24 | Received By: | Date&Time |
| Custody Seal #'s: | 1100 | # of Boxes or pieces in delivery | |

NOTES: _____

SM086-03

Pub date: 3/12/18



**JE2488: Chain of Custody**
**Page 2 of 3**

# SGS Sample Receipt Summary

**Job Number:** JE2488 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

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

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

**JE2488: Chain of Custody**
**Page 3 of 3**

# Summa Canister and Flow Controller Log



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24

**SUMMA CANISTERS**

| Shipping | | | | | | | Receiving | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Summa ID | L | Vac " Hg | Date Out | By | SCC Batch | SCC FileID | Sample Number | Date In | By | Vac " Hg | Pres psig | Final psig | Dil Fact |
| A1324 | 6 | 29.5 | 12/03/24 | JT | CP12909 | 7W10344.D | JE2488-1 | 12/12/24 | RC | 3.5 | | | 1 |
| A879 | 6 | 29.5 | 12/03/24 | JT | CP12922 | 7W10671.D | JE2488-2 | 12/12/24 | RC | 1.5 | | | 1 |

**FLOW CONTROLLERS / OTHER**

| Shipping | | | | | Receiving | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Flow Crtl ID | Date Out | By | cc/ min | Time hrs. | Date In | By | cc/ min | Flow RPD | Equipment Type |
| FC1254 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.7 | 2.8 | Flow Controller |
| FC1259 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.6 | 0.9 | Flow Controller |
| FC1281 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.8 | 2.8 | Flow Controller |

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

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

# Internal Sample Tracking Chronicle

Groundwater & Environmental Services

**Job No:** JE2488

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

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| JE2488-1 OA-1 | Collected: 10-DEC-24 17:47 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2488-1 | TO-15 | 20-DEC-24 07:15 | TCH | | | VTO15NYLL |
| JE2488-2 OA-2 | Collected: 10-DEC-24 17:51 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2488-2 | TO-15 | 20-DEC-24 08:03 | TCH | | | VTO15NYLL |

# SGS Internal Chain of Custody



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| JE2488-1.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2488-1.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2488-2.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2488-2.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |

## MS Volatiles

6

### QC Data Summaries

Includes the following where applicable:

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

# Method Blank Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

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

# Method Blank Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

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

# Method Blank Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

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

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

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

# Method Blank Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

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

# Method Blank Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 7.4 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

V7W387-SCC

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

# Method Blank Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

V7W387-SCC

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

# Method Blank Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

V7W387-SCC

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

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

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 7.8 | 76 | 8.2 | 80 | 5 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.1 | 94 | 10.5 | 97 | 4 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 12.7 | 115 | 12.8 | 116 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 12.7 | 121 | 12.9 | 123 | 2 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 15.3 | 143* [a] | 15.2 | 142* [a] | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10 | 95 | 10.1 | 96 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.0 | 104 | 10.8 | 102 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.5 | 111 | 11.4 | 110 | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 13.3 | 125 | 13.3 | 125 | 0 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.3 | 95 | 10.3 | 95 | 0 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.1 | 97 | 10.3 | 99 | 2 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 13.2 | 122 | 13.4 | 124 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.3 | 99 | 10.8 | 104 | 5 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 13.5 | 129 | 13.4 | 128 | 1 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.4 | 101 | 10.2 | 99 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.8 | 119 | 13.0 | 120 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 13.2 | 121 | 13.1 | 120 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.9 | 121 | 13.0 | 121 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 12.1 | 113 | 12.3 | 115 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 14.4 | 132* [a] | 14.7 | 135* [a] | 2 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 12.3 | 117 | 12.3 | 117 | 0 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 12.6 | 119 | 12.6 | 119 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.3 | 108 | 11.3 | 108 | 0 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 12.0 | 114 | 11.9 | 113 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 12.3 | 115 | 12.5 | 117 | 2 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 13.5 | 126 | 13.6 | 127 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.2 | 108 | 11.1 | 107 | 1 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.1 | 104 | 10.8 | 101 | 3 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.6 | 106 | 11.3 | 104 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 13.3 | 130 | 13.5 | 132* [a] | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 9.9 | 97 | 10.2 | 100 | 3 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 12.3 | 112 | 12.2 | 111 | 1 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 15.1 | 140* [b] | 15.2 | 141* [b] | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.0 | 110 | 12.0 | 110 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |



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

JE2488-1, JE2488-2

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 13.4 | 126 | 13.2 | 125 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.8 | 107 | 11.9 | 108 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 14.2 | 129 | 14.4 | 131* [b] | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 16.1 | 149* [a] | 15.7 | 145* [a] | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 13.4 | 124 | 13.6 | 126 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 13.7 | 129 | 13.7 | 129 | 0 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 13.0 | 123 | 13.0 | 123 | 0 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.6 | 110 | 11.7 | 111 | 1 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 15.4 | 143* [b] | 15.6 | 144* [b] | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 13.6 | 126 | 13.8 | 128 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 14.2 | 131* [a] | 14.3 | 132* [a] | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 14.3 | 131* [b] | 14.4 | 132* [b] | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 10.7 | 98 | 10.3 | 94 | 4 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.8 | 117 | 13.2 | 121 | 3 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 12.5 | 114 | 12.4 | 113 | 1 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.8 | 119 | 13.1 | 121 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.8 | 108 | 11.8 | 108 | 0 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 12.0 | 112 | 12.2 | 114 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 14.2 | 130 | 13.5 | 124 | 5 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.3 | 112 | 12.1 | 110 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 11.7 | 107 | 11.6 | 106 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.9 | 119 | 13.1 | 121 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 13.0 | 131* [b] | 13.2 | 133* [b] | 2 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 12.4 | 114 | 12.1 | 111 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 14.6 | 139* [a] | 14.9 | 142* [a] | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.9 | 112 | 12.0 | 113 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 11.4 | 109 | 11.5 | 110 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 12.7 | 120 | 12.6 | 119 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.5 | 102 | 10.7 | 104 | 2 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 13.9 | 134* [b] | 13.8 | 133* [b] | 1 | 70-130/30 |
| | m,p-Xylene | 21.4 | 22.8 | 107 | 22.6 | 106 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.6 | 106 | 11.5 | 106 | 1 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 34.4 | 107 | 34.1 | 106 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 99% | 97% | 65-128% |

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 10.2 | 99 | 10.2 | 99 | 0 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 11.2 | 104 | 11.1 | 103 | 1 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.9 | 108 | 11.8 | 107 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.3 | 108 | 11.2 | 107 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.8 | 110 | 11.8 | 110 | 0 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.9 | 94 | 9.6 | 91 | 3 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.5 | 99 | 10.2 | 96 | 3 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.0 | 192* [a] | 20.2 | 194* [a] | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.4 | 89 | 9.3 | 88 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.4 | 96 | 10.4 | 96 | 0 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.0 | 106 | 10.9 | 105 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.0 | 102 | 10.9 | 101 | 1 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 9.9 | 95 | 9.6 | 92 | 3 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.2 | 88 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.1 | 98 | 10 | 97 | 1 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.2 | 113 | 12.0 | 111 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.9 | 109 | 11.8 | 108 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.9 | 121 | 12.8 | 120 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.0 | 93 | 9.9 | 93 | 1 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.8 | 107 | 11.8 | 107 | 0 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 11.1 | 102 | 10.9 | 100 | 2 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 12.6 | 120 | 12.5 | 119 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.4 | 109 | 11.2 | 107 | 2 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.6 | 100 | 10.4 | 98 | 2 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.6 | 110 | 11.5 | 110 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.3 | 108 | 11.2 | 107 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.5 | 107 | 11.5 | 107 | 0 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 13.0 | 121 | 12.8 | 120 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.2 | 98 | 10.2 | 98 | 0 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10 | 93 | 10.1 | 94 | 1 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.9 | 126 | 12.8 | 125 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.1 | 99 | 9.9 | 97 | 2 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.6 | 96 | 10.6 | 96 | 0 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 12.6 | 117 | 12.3 | 114 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.9 | 100 | 10.9 | 100 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 9.3 | 88 | 9.3 | 88 | 0 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.5 | 95 | 10.4 | 95 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 12.3 | 112 | 12.1 | 110 | 2 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.7 | 99 | 10.7 | 99 | 0 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 10.6 | 100 | 10.5 | 99 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 10.3 | 97 | 9.9 | 93 | 4 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 8.9 | 85 | 8.7 | 83 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.4 | 115 | 12.4 | 115 | 0 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 11.4 | 106 | 11.3 | 105 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.2 | 113 | 0 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 12.5 | 115 | 12.3 | 113 | 2 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.1 | 83 | 9.1 | 83 | 0 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 13.9 | 128 | 13.8 | 127 | 1 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.2 | 102 | 11.2 | 102 | 0 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.6 | 107 | 11.5 | 106 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.8 | 110 | 11.6 | 108 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.1 | 93 | 10.2 | 94 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.2 | 93 | 10.4 | 95 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.5 | 116 | 12.3 | 114 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 9.5 | 96 | 9.5 | 96 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.1 | 102 | 11.1 | 102 | 0 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.3 | 117 | 12.2 | 116 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.0 | 104 | 10.9 | 103 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.9 | 104 | 10.8 | 103 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 9.7 | 92 | 9.5 | 90 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.9 | 106 | 10.7 | 104 | 2 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.1 | 116 | 12.0 | 115 | 1 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.6 | 96 | 20.5 | 96 | 0 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 31.0 | 96 | 30.9 | 96 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

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

V7W379-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 96% | 96% | 65-128% |

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

V7W387-SCC

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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



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

V7W387-SCC

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

V7W387-SCC

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

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

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

| CAS No. | Compound | JE2666-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 4.2 | | 3.6 | | 15 | 25 |
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | 2.8 | | 3.0 | | 7 | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | 4.0 | | 4.1 | | 2 | 25 |
| 75-00-3 | Chloroethane | 0.40 | J | 0.35 | J | 13 | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | ND | | ND | | nc | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | 2.6 | | 2.7 | | 4 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | 10 | | 10.2 | | 2 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | 0.87 | | 0.91 | | 4 | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | ND | | ND | | nc | 25 |
| 106-46-7 | p-Dichlorobenzene | 1.3 | | 1.4 | | 7 | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | ND | | ND | | nc | 25 |
| 100-41-4 | Ethylbenzene | 0.53 | J | 0.59 | J | 11 | 25 |
| 141-78-6 | Ethyl Acetate | ND | | ND | | nc | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

| CAS No. | Compound | JE2666-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |
| 76-14-2 | Freon 114 | 9.5 | | 7.8 | | 20 | 25 |
| 142-82-5 | Heptane | 4.4 | | 4.4 | | 0 | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 13.5 | | 13.8 | | 2 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | ND | | ND | | nc | 25 |
| 75-09-2 | Methylene chloride | ND | | ND | | nc | 25 |
| 78-93-3 | Methyl ethyl ketone | ND | | ND | | nc | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | ND | | ND | | nc | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ND | | nc | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ND | | nc | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 1.1 | | 1.1 | | 0 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | | ND | | nc | 25 |
| 127-18-4 | Tetrachloroethylene | 0.17 | | 0.18 | | 6 | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | ND | | ND | | nc | 25 |
| 79-01-6 | Trichloroethylene | ND | | ND | | nc | 25 |
| 75-69-4 | Trichlorofluoromethane | 0.73 | J | 0.73 | J | 0 | 25 |
| 75-01-4 | Vinyl chloride | 3.3 | | 2.8 | | 16 | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 0.71 | J | 0.74 | J | 4 | 25 |
| 95-47-6 | o-Xylene | ND | | ND | | nc | 25 |
| 1330-20-7 | Xylenes (total) | 0.71 | J | 0.74 | J | 4 | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

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

JE2488-1, JE2488-2

| CAS No. | Surrogate Recoveries | DUP | JE2666-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 117% | 115% | 65-128% |

* = Outside of Control Limits.

# Summa Cleaning Certification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2488-1(A1324)

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

# Summa Cleaning Certification

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2488-1(A1324)

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

# Summa Cleaning Certification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2488-1(A1324)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

Batch CP12922 cleaned 11/08/24: JE2488-2(A879)

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

# Summa Cleaning Certification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

Batch CP12922 cleaned 11/08/24: JE2488-2(A879)

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

# Summa Cleaning Certification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

Batch CP12922 cleaned 11/08/24: JE2488-2(A879)

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

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

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

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

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

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

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

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

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2133-CC2125 | 5W55700.D | 12/17/24 | 20:32 | 00:40 | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 | 21:13 | 01:21 | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 | 22:35 | 02:43 | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 | 00:51 | 04:59 | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 | 01:36 | 05:44 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55708.D | 12/18/24 | 02:22 | 06:30 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 | 03:08 | 07:16 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55710.D | 12/18/24 | 03:55 | 08:03 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55711.D | 12/18/24 | 04:42 | 08:50 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 | 05:29 | 09:37 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 | 06:16 | 10:24 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 | 07:02 | 11:10 | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 | 08:40 | 12:48 | OA-2 |
| JE2488-2DUP | 5W55717.D | 12/18/24 | 09:29 | 13:37 | Duplicate |
| ZZZZZZ | 5W55718.D | 12/18/24 | 10:17 | 14:25 | (unrelated sample) |
| ZZZZZZ | 5W55719.D | 12/18/24 | 11:06 | 15:14 | (unrelated sample) |
| ZZZZZZ | 5W55720.D | 12/18/24 | 11:54 | 16:02 | (unrelated sample) |
| ZZZZZZ | 5W55721.D | 12/18/24 | 12:42 | 16:50 | (unrelated sample) |
| ZZZZZZ | 5W55722.D | 12/18/24 | 13:30 | 17:38 | (unrelated sample) |
| ZZZZZZ | 5W55723.D | 12/18/24 | 14:18 | 18:26 | (unrelated sample) |
| ZZZZZZ | 5W55724.D | 12/18/24 | 14:59 | 19:07 | (unrelated sample) |
| ZZZZZZ | 5W55725.D | 12/18/24 | 15:40 | 19:48 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2135-BFB
**Lab File ID:** 5W55751.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/19/24
**Injection Time:** 15:40

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 114779 | 24.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 281387 | 58.9 | | Pass |
| 95 | Base peak, 100% relative abundance | 477781 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 31525 | 6.60 | | Pass |
| 173 | Less than 2.0% of mass 174 | 2249 | 0.47 | (0.42) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 531051 | 111.1 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 40389 | 8.45 | (7.61) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 532885 | 111.5 | (100.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 35269 | 7.38 | (6.62) [b] | Pass |

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

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

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2135-CC2125 | 5W55752.D | 12/19/24 | 16:21 | 00:41 | Continuing cal 10 |
| V5W2135-BS | 5W55753.D | 12/19/24 | 17:20 | 01:40 | Blank Spike |
| V5W2135-BSD | 5W55754.D | 12/19/24 | 18:00 | 02:20 | Blank Spike Duplicate |
| V5W2135-MB | 5W55756.D | 12/19/24 | 19:38 | 03:58 | Method Blank |
| V5W2135-SCC | 5W55757.D | 12/19/24 | 20:18 | 04:38 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55758.D | 12/19/24 | 20:59 | 05:19 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55759.D | 12/19/24 | 21:40 | 06:00 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55760.D | 12/19/24 | 22:21 | 06:41 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55761.D | 12/19/24 | 23:01 | 07:21 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55762.D | 12/19/24 | 23:42 | 08:02 | Summa Cleaning Certification |
| JE2666-1 | 5W55763.D | 12/20/24 | 00:24 | 08:44 | (used for QC only; not part of job JE2488) |
| JE2666-1DUP | 5W55764.D | 12/20/24 | 01:06 | 09:26 | Duplicate |
| ZZZZZZ | 5W55765.D | 12/20/24 | 01:51 | 10:11 | (unrelated sample) |
| ZZZZZZ | 5W55766.D | 12/20/24 | 02:38 | 10:58 | (unrelated sample) |
| ZZZZZZ | 5W55767.D | 12/20/24 | 03:26 | 11:46 | (unrelated sample) |
| ZZZZZZ | 5W55768.D | 12/20/24 | 04:13 | 12:33 | (unrelated sample) |
| ZZZZZZ | 5W55769.D | 12/20/24 | 04:55 | 13:15 | (unrelated sample) |
| ZZZZZZ | 5W55770.D | 12/20/24 | 05:43 | 14:03 | (unrelated sample) |
| ZZZZZZ | 5W55771.D | 12/20/24 | 06:26 | 14:46 | (unrelated sample) |
| JE2488-1 | 5W55772.D | 12/20/24 | 07:15 | 15:35 | OA-1 |
| JE2488-2 | 5W55773.D | 12/20/24 | 08:03 | 16:23 | OA-2 |
| ZZZZZZ | 5W55774.D | 12/20/24 | 08:50 | 17:10 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

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

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

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 | 21:40 | 00:34 | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 | 22:13 | 01:07 | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 | 22:49 | 01:43 | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 | 23:22 | 02:16 | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 | 00:01 | 02:55 | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 | 00:35 | 03:29 | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 | 01:10 | 04:04 | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 | 01:48 | 04:42 | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 | 02:28 | 05:22 | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 | 06:28 | 09:22 | Initial cal verification 10 |
| V7W306-BS | 7W07991.D | 08/19/24 | 07:07 | 10:01 | Blank Spike |
| V7W306-BSD | 7W07992.D | 08/19/24 | 07:40 | 10:34 | Blank Spike Duplicate |
| V7W306-MB | 7W07996.D | 08/19/24 | 10:30 | 13:24 | Method Blank |
| ZZZZZZ | 7W07997.D | 08/19/24 | 11:04 | 13:58 | (unrelated sample) |
| ZZZZZZ | 7W07998.D | 08/19/24 | 11:39 | 14:33 | (unrelated sample) |
| ZZZZZZ | 7W07999.D | 08/19/24 | 12:15 | 15:09 | (unrelated sample) |
| JD93469-1 | 7W08000.D | 08/19/24 | 12:50 | 15:44 | (used for QC only; not part of job JE2488) |
| JD93469-1DUP | 7W08001.D | 08/19/24 | 13:26 | 16:20 | Duplicate |
| ZZZZZZ | 7W08002.D | 08/19/24 | 14:07 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W08003.D | 08/19/24 | 14:50 | 17:44 | (unrelated sample) |
| ZZZZZZ | 7W08004.D | 08/19/24 | 15:30 | 18:24 | (unrelated sample) |
| ZZZZZZ | 7W08005.D | 08/19/24 | 16:05 | 18:59 | (unrelated sample) |
| ZZZZZZ | 7W08006.D | 08/19/24 | 16:46 | 19:40 | (unrelated sample) |
| ZZZZZZ | 7W08007.D | 08/19/24 | 17:31 | 20:25 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W379-BFB | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10298.D | **Injection Time:** | 08:30 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 13433 | 21.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 31192 | 49.8 | | Pass |
| 95 | Base peak, 100% relative abundance | 62667 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4090 | 6.53 | | Pass |
| 173 | Less than 2.0% of mass 174 | 262 | 0.42 | (0.56) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 46624 | 74.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3614 | 5.77 | (7.75) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 46085 | 73.5 | (98.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3024 | 4.83 | (6.56) [b] | Pass |

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

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

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W379-CC305 | 7W10299.D | 11/06/24 | 09:06 | 00:36 | Continuing cal 10 |
| V7W379-BS | 7W10300.D | 11/06/24 | 09:45 | 01:15 | Blank Spike |
| V7W379-BSD | 7W10301.D | 11/06/24 | 10:21 | 01:51 | Blank Spike Duplicate |
| V7W379-MB | 7W10303.D | 11/06/24 | 11:42 | 03:12 | Method Blank |
| JD98975-1 | 7W10304.D | 11/06/24 | 12:44 | 04:14 | (used for QC only; not part of job JE2488) |
| JD98975-1DUP | 7W10305.D | 11/06/24 | 13:27 | 04:57 | Duplicate |
| ZZZZZZ | 7W10306.D | 11/06/24 | 14:10 | 05:40 | (unrelated sample) |
| ZZZZZZ | 7W10307.D | 11/06/24 | 14:56 | 06:26 | (unrelated sample) |
| ZZZZZZ | 7W10308.D | 11/06/24 | 15:39 | 07:09 | (unrelated sample) |
| ZZZZZZ | 7W10309.D | 11/06/24 | 16:22 | 07:52 | (unrelated sample) |
| ZZZZZZ | 7W10310.D | 11/06/24 | 16:58 | 08:28 | (unrelated sample) |
| V7W379-SCC | 7W10311.D | 11/06/24 | 17:39 | 09:09 | Summa Cleaning Certification |
| V7W379-SCC | 7W10312.D | 11/06/24 | 18:20 | 09:50 | Summa Cleaning Certification |
| V7W379-SCC | 7W10313.D | 11/06/24 | 19:01 | 10:31 | Summa Cleaning Certification |
| V7W379-SCC | 7W10314.D | 11/06/24 | 19:42 | 11:12 | Summa Cleaning Certification |
| V7W379-SCC | 7W10315.D | 11/06/24 | 20:23 | 11:53 | Summa Cleaning Certification |
| V7W379-SCC | 7W10316.D | 11/06/24 | 21:04 | 12:34 | Summa Cleaning Certification |
| V7W379-SCC | 7W10317.D | 11/06/24 | 21:45 | 13:15 | Summa Cleaning Certification |
| V7W379-SCC | 7W10318.D | 11/06/24 | 22:26 | 13:56 | Summa Cleaning Certification |
| V7W379-SCC | 7W10319.D | 11/06/24 | 23:07 | 14:37 | Summa Cleaning Certification |
| V7W379-SCC | 7W10321.D | 11/07/24 | 00:24 | 15:54 | Summa Cleaning Certification |
| V7W379-SCC | 7W10322.D | 11/07/24 | 01:00 | 16:30 | Summa Cleaning Certification |
| V7W379-SCC | 7W10323.D | 11/07/24 | 01:35 | 17:05 | Summa Cleaning Certification |
| V7W379-SCC | 7W10324.D | 11/07/24 | 02:11 | 17:41 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W379-BFB | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10298.D | **Injection Time:** | 08:30 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W379-SCC | 7W10325.D | 11/07/24 | 02:47 | 18:17 | Summa Cleaning Certification |
| V7W379-SCC | 7W10326.D | 11/07/24 | 03:28 | 18:58 | Summa Cleaning Certification |
| V7W379-SCC | 7W10327.D | 11/07/24 | 04:10 | 19:40 | Summa Cleaning Certification |
| V7W379-SCC | 7W10328.D | 11/07/24 | 04:51 | 20:21 | Summa Cleaning Certification |
| V7W379-SCC | 7W10329.D | 11/07/24 | 05:32 | 21:02 | Summa Cleaning Certification |
| V7W379-SCC | 7W10330.D | 11/07/24 | 06:14 | 21:44 | Summa Cleaning Certification |
| V7W379-SCC | 7W10331.D | 11/07/24 | 06:55 | 22:25 | Summa Cleaning Certification |
| V7W379-SCC | 7W10332.D | 11/07/24 | 07:37 | 23:07 | Summa Cleaning Certification |
| V7W379-SCC | 7W10333.D | 11/07/24 | 08:18 | 23:48 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

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

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

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-CC305 | 7W10576.D | 11/18/24 | 09:35 | 00:36 | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 | 10:11 | 01:12 | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 | 10:46 | 01:47 | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 | 12:04 | 03:05 | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 | 13:59 | 05:00 | (used for QC only; not part of job JE2488) |
| JD99820-1DUP | 7W10583.D | 11/18/24 | 14:40 | 05:41 | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 | 15:21 | 06:22 | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 | 16:44 | 07:45 | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 | 17:25 | 08:26 | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 | 18:07 | 09:08 | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 | 19:30 | 10:31 | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 | 20:11 | 11:12 | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 | 20:52 | 11:53 | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 | 21:28 | 12:29 | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 | 22:04 | 13:05 | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 | 22:41 | 13:42 | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 | 23:53 | 14:54 | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 | 00:29 | 15:30 | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 | 01:06 | 16:07 | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 | 02:18 | 17:19 | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 | 02:55 | 17:56 | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 | 03:31 | 18:32 | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 | 04:07 | 19:08 | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 | 04:48 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

# Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2133-BS | 313892 | 7.67 | 1454050 | 9.83 | 902926 | 15.35 |
| V5W2133-BSD | 319491 | 7.66 | 1462454 | 9.83 | 906713 | 15.34 |
| V5W2133-MB | 295908 | 7.66 | 1754729 | 9.83 | 953484 | 15.34 |
| V5W2133-SCC | 267595 | 7.66 | 1285097 | 9.83 | 733872 | 15.34 |
| V5W2133-SCC [c] | 215631 | 7.66 | 1056364 | 9.83 | 624828 | 15.34 |
| V5W2133-SCC | 208981 | 7.66 | 1029779 | 9.83 | 606483 | 15.34 |
| V5W2133-SCC [c] | 188367 | 7.66 | 948315 | 9.83 | 553930 | 15.34 |
| V5W2133-SCC [c] | 181213 | 7.66 | 897339 | 9.83 | 529431 | 15.34 |
| V5W2133-SCC | 190751 | 7.66 | 939930 | 9.83 | 559452 | 15.34 |
| V5W2133-SCC | 188591 | 7.66 | 933317 | 9.83 | 548791 | 15.34 |
| V5W2133-SCC | 197470 | 7.66 | 973511 | 9.83 | 568347 | 15.34 |
| JE2488-2 [d] | 155758[e] | 7.66 | 802815 | 9.83 | 500617 | 15.34 |
| JE2488-2DUP | 156769[f] | 7.66 | 796945 | 9.83 | 502343 | 15.34 |
| ZZZZZZ | 153221[g] | 7.67 | 765596[g] | 9.83 | 497744[g] | 15.34 |
| ZZZZZZ | 152761* | 7.66 | 761382[g] | 9.83 | 455389[g] | 15.34 |
| ZZZZZZ | 166641* | 7.68 | 842795 | 9.84 | 522633 | 15.34 |
| ZZZZZZ | 201833 | 7.68 | 1009609 | 9.83 | 643332 | 15.34 |
| ZZZZZZ | 233544 | 7.70 | 1103107 | 9.85 | 630888 | 15.35 |
| ZZZZZZ | 255838 | 7.70 | 1240149 | 9.85 | 726238 | 15.35 |
| ZZZZZZ | 245099 | 7.66 | 1200195 | 9.83 | 651740 | 15.34 |
| ZZZZZZ | 201759 | 7.66 | 999601 | 9.83 | 548542 | 15.34 |

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

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Sample used for QC purposes only.
(e) Outside of in house control limits.
(f) Outside in house control limits.
(g) Outside control limits due to matrix interference.

# Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Check Std:** V5W2135-CC2125 **Injection Date:** 12/19/24
**Lab File ID:** 5W55752.D **Injection Time:** 16:21
**Instrument ID:** GCMS5W **Method:** TO-15

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 322187 | 7.67 | 1499665 | 9.83 | 960430 | 15.34 |
| Upper Limit [a] | 451062 | 8.00 | 2099531 | 10.16 | 1344602 | 15.67 |
| Lower Limit [b] | 193312 | 7.34 | 899799 | 9.50 | 576258 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2135-BS | 331289 | 7.66 | 1550914 | 9.83 | 964726 | 15.34 |
| V5W2135-BSD | 334718 | 7.67 | 1578242 | 9.83 | 998402 | 15.34 |
| V5W2135-MB | 391902 | 7.66 | 1871565 | 9.82 | 1053026 | 15.34 |
| V5W2135-SCC [c] | 349450 | 7.66 | 1659793 | 9.83 | 931089 | 15.34 |
| V5W2135-SCC [c] | 301684 | 7.66 | 1473466 | 9.83 | 822803 | 15.34 |
| V5W2135-SCC | 276073 | 7.66 | 1336244 | 9.83 | 766363 | 15.34 |
| V5W2135-SCC | 253539 | 7.66 | 1252451 | 9.83 | 729719 | 15.34 |
| V5W2135-SCC | 244889 | 7.66 | 1205208 | 9.83 | 691756 | 15.34 |
| V5W2135-SCC | 237497 | 7.66 | 1161322 | 9.83 | 680535 | 15.34 |
| JE2666-1 | 209799 | 7.66 | 1077681 | 9.83 | 679137 | 15.34 |
| JE2666-1DUP | 260206 | 7.66 | 1283023 | 9.83 | 766261 | 15.34 |
| ZZZZZZ | 317055 | 7.66 | 1512238 | 9.83 | 845380 | 15.34 |
| ZZZZZZ | 251178 | 7.66 | 1215809 | 9.82 | 666668 | 15.34 |
| ZZZZZZ | 230311 | 7.66 | 1156543 | 9.83 | 679432 | 15.34 |
| ZZZZZZ | 220726 | 7.66 | 1092546 | 9.83 | 537900* | 15.34 |
| ZZZZZZ | 291529 | 7.66 | 1382771 | 9.83 | 744927 | 15.34 |
| ZZZZZZ | 240627 | 7.66 | 1181267 | 9.83 | 594136 | 15.34 |
| ZZZZZZ | 301213 | 7.66 | 1412528 | 9.83 | 731117 | 15.34 |
| JE2488-1 | 246841 | 7.66 | 1192646 | 9.83 | 654848 | 15.34 |
| JE2488-2 | 232490 | 7.66 | 1140245 | 9.82 | 659764 | 15.34 |
| ZZZZZZ | 215792 | 7.66 | 1075612 | 9.83 | 527590* | 15.34 |

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

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

# Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W379-CC305 | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10299.D | **Injection Time:** | 09:06 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 56421 | 3.27 | 285763 | 4.55 | 259568 | 10.13 |
| Upper Limit [a] | 78989 | 3.60 | 400068 | 4.88 | 363395 | 10.46 |
| Lower Limit [b] | 33853 | 2.94 | 171458 | 4.22 | 155741 | 9.80 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W379-BS | 55418 | 3.27 | 277611 | 4.55 | 253160 | 10.12 |
| V7W379-BSD | 55927 | 3.28 | 282163 | 4.56 | 256452 | 10.12 |
| V7W379-MB | 58077 | 3.28 | 294303 | 4.55 | 263172 | 10.12 |
| JD98975-1 | 51888 | 3.28 | 265625 | 4.56 | 242726 | 10.12 |
| JD98975-1DUP | 51878 | 3.28 | 259189 | 4.56 | 244442 | 10.12 |
| ZZZZZZ | 51104 | 3.28 | 258158 | 4.56 | 244994 | 10.13 |
| ZZZZZZ | 54429 | 3.28 | 278529 | 4.55 | 255637 | 10.12 |
| ZZZZZZ | 51903 | 3.28 | 263013 | 4.56 | 248985 | 10.12 |
| ZZZZZZ | 50742 | 3.28 | 256658 | 4.56 | 243506 | 10.12 |
| ZZZZZZ | 50543 | 3.28 | 245453 | 4.56 | 240703 | 10.12 |
| V7W379-SCC | 58999 | 3.27 | 298005 | 4.55 | 265842 | 10.12 |
| V7W379-SCC | 57933 | 3.27 | 291748 | 4.55 | 260201 | 10.12 |
| V7W379-SCC | 58959 | 3.28 | 296038 | 4.56 | 264212 | 10.12 |
| V7W379-SCC | 59613 | 3.27 | 299056 | 4.55 | 268365 | 10.12 |
| V7W379-SCC | 58595 | 3.28 | 297956 | 4.55 | 266975 | 10.12 |
| V7W379-SCC | 58254 | 3.27 | 297841 | 4.55 | 264347 | 10.12 |
| V7W379-SCC | 58795 | 3.28 | 299586 | 4.55 | 267947 | 10.12 |
| V7W379-SCC | 59451 | 3.28 | 303875 | 4.55 | 271981 | 10.12 |
| V7W379-SCC | 57947 | 3.27 | 295202 | 4.55 | 266238 | 10.12 |
| V7W379-SCC | 57742 | 3.28 | 296372 | 4.56 | 269599 | 10.12 |
| V7W379-SCC | 57605 | 3.28 | 294963 | 4.55 | 267997 | 10.12 |
| V7W379-SCC | 54788 | 3.27 | 281581 | 4.55 | 255676 | 10.12 |
| V7W379-SCC | 55630 | 3.27 | 283149 | 4.55 | 256605 | 10.12 |
| V7W379-SCC | 54061 | 3.27 | 275223 | 4.55 | 248934 | 10.12 |
| V7W379-SCC | 55539 | 3.27 | 284068 | 4.55 | 254580 | 10.12 |
| V7W379-SCC | 56664 | 3.28 | 289285 | 4.55 | 260091 | 10.12 |
| V7W379-SCC | 56395 | 3.28 | 286264 | 4.55 | 259515 | 10.12 |
| V7W379-SCC | 54568 | 3.27 | 279632 | 4.55 | 252683 | 10.12 |
| V7W379-SCC | 57534 | 3.28 | 291775 | 4.55 | 260760 | 10.12 |
| V7W379-SCC | 56144 | 3.28 | 289091 | 4.55 | 261658 | 10.13 |
| V7W379-SCC | 55864 | 3.27 | 284151 | 4.55 | 257760 | 10.12 |
| V7W379-SCC | 55969 | 3.28 | 285237 | 4.55 | 255717 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene

# Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W379-CC305 | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10299.D | **Injection Time:** | 09:06 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| Lab Sample ID | IS 1 AREA | IS 1 RT | IS 2 AREA | IS 2 RT | IS 3 AREA | IS 3 RT |
|---|---|---|---|---|---|---|

**IS 3** = Chlorobenzene-D5

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

# Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

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

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

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

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

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

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.66 | 0.491 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.83 | 1.123 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl Tert Butyl Ether | 6.81 | 7.66 | 0.889 | ok | 0.879 | 0.819-0.939 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.78 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.93 | 15.35 | 1.103 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.63 | 9.83 | 1.285 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.66 | 7.66 | 0.739 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Toluene | 12.98 | 9.83 | 1.320 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.66 | 0.646 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|---|
| TVHC As Equiv Pentane | 5.23 | | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 339655 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1562017 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 815644 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.74 | 7.67 | 0.618 | ok | 0.615 | 0.555-0.675 |
| Acetonitrile | 4.65 | 7.67 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.04 | 7.67 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.86 | 7.67 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.59 | 7.67 | 0.468 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.67 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.67 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.71 | 7.67 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.83 | 0.988 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.80 | 9.83 | 1.099 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.43 | 7.67 | 0.578 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.67 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.78 | 7.67 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.83 | 7.67 | 1.021 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.50 | 9.83 | 1.068 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.83 | 7.67 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.67 | 0.502 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.67 | 0.618 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.79 | 7.67 | 0.625 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.67 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.45 | 15.35 | 0.876 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.67 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.16 | 7.67 | 0.934 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.89 | 9.83 | 1.210 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.79 | 7.67 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.99 | 9.83 | 1.118 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.24 | 7.67 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.61 | 7.67 | 0.471 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.77 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.65 | 7.67 | 0.737 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.37 | 7.67 | 1.091 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 333430 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1533309 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 804190 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.86 | 7.66 | 0.634 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.64 | 7.66 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.39 | 9.83 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.66 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.78 | 9.83 | 1.097 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.77 | 7.66 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.81 | 7.66 | 1.020 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.48 | 9.83 | 1.066 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.66 | 0.503 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.66 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.43 | 15.35 | 0.875 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.66 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.14 | 7.66 | 0.932 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.87 | 9.83 | 1.208 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.78 | 7.66 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.98 | 9.83 | 1.117 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.64 | 7.66 | 0.736 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.34 | 7.66 | 1.089 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.84 | 7.66 | 0.893 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 334972 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1532765 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 812540 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.85 | 7.66 | 0.633 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.63 | 7.66 | 0.604 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.75 | 9.83 | 1.094 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.83 | 1.263 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.75 | 7.66 | 1.012 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.48 | 7.66 | 0.585 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.79 | 7.66 | 1.017 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.46 | 9.83 | 1.064 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.66 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.41 | 15.35 | 0.874 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.08 | 7.66 | 0.663 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.66 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.11 | 7.66 | 0.928 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.85 | 9.83 | 1.205 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.76 | 7.66 | 0.883 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.97 | 9.83 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.62 | 7.66 | 0.734 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.31 | 7.66 | 1.085 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.83 | 7.66 | 0.892 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 330769 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1512302 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 803446 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.83 | 7.67 | 0.630 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.90 | 15.35 | 1.166 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.00 | 9.83 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.69 | 9.83 | 1.087 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.67 | 0.476 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.66 | 7.67 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.76 | 7.67 | 1.012 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.67 | 0.451 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.37 | 15.35 | 0.871 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.04 | 7.67 | 0.657 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.26 | 15.35 | 1.320 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.67 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.80 | 9.83 | 1.200 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.56 | 7.67 | 0.725 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.26 | 7.67 | 1.077 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.67 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 327920 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1483978 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 823417 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.67 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.67 | 0.716 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.83 | 1.323 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.83 | 1.085 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.67 | 1.010 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.67 | 0.656 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.83 | 1.199 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.67 | 0.724 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.24 | 7.67 | 1.074 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 339202 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1511260 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 875250 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.84 | 1.084 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.84 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.68 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.84 | 1.282 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.84 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 342882 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1466721 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 922805 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.02 | 7.68 | 0.523 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.22 | 7.68 | 0.549 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.06 | 7.68 | 0.529 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.57 | 7.68 | 0.465 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.60 | 7.68 | 0.469 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.68 | 0.741 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.68 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.66 | 9.84 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.68 | 0.475 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.41 | 7.68 | 0.574 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.71 | 7.68 | 1.004 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.84 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.54 | 7.68 | 0.461 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.70 | 7.68 | 0.872 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.59 | 7.68 | 0.467 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.84 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.84 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.68 | 0.643 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 341329 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1382725 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1000073 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.21 | 7.68 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.41 | 9.85 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.62 | 9.85 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.85 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.85 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.85 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.85 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.85 | 1.050 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.68 | 0.841 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 11.74 | 9.85 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.85 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.85 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.85 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.74 | 7.68 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.85 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.85 | 1.197 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.85 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

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

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.85 | 1.281 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.25 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.70 | 9.85 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.68 | 0.723 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.85 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.66 | 9.85 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 363096 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.85 | ok | 9.83 | 9.50-10.16 | 1435494 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1087902 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.66 | 10.12 | 1.646 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.53 | 3.27 | 0.774 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.19 | 10.12 | 1.007 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.68 | 3.27 | 0.514 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.88 | 4.55 | 1.073 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.72 | 10.12 | 1.553 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.13 | 3.27 | 0.651 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.90 | 4.55 | 1.736 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.88 | 3.27 | 0.881 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.45 | 4.55 | 1.198 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.31 | 3.27 | 0.706 | ok | 0.704 | 0.644-0.764 |
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.60 | 3.27 | 1.101 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.43 | 10.12 | 1.228 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.31 | 10.12 | 0.228 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 86358 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 435174 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 379594 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.10 | 3.27 | 0.642 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.31 | 10.12 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.74 | 3.27 | 0.532 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.24 | 4.55 | 1.152 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.35 | 3.27 | 1.024 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.29 | 10.12 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.73 | 10.12 | 1.258 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.59 | 3.27 | 1.098 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 83993 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 426374 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 372534 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.06 | 3.27 | 0.630 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.22 | 4.55 | 1.147 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.22 | 4.55 | 1.367 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.12 | 1.513 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81591 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 417480 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 367012 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.13 | 4.55 | 1.787 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.21 | 4.55 | 1.145 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.64 | 3.27 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.88 | 4.55 | 1.732 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.20 | 4.55 | 1.363 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.44 | 3.27 | 0.746 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.18 | 3.27 | 0.667 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 79966 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410941 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 362110 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.16 | 4.55 | 1.134 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.86 | 4.55 | 1.727 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.22 | 3.27 | 0.679 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.43 | 3.27 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81466 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410025 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 361102 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.15 | 4.55 | 1.132 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.42 | 3.27 | 0.740 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 76492 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 388370 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 349697 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.12 | 1.367 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.12 | 1.685 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.12 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.12 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78951 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 399337 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 358279 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.13 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.13 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.13 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.13 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 77284 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 380992 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 341287 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.84 | 10.13 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.35 | 3.27 | 1.024 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.97 | 10.13 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.86 | 4.55 | 1.068 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.76 | 10.13 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.46 | 10.13 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78494 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 389657 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 345790 | ok | 359712 | 215827-503597 |

# Surrogate Recovery Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| JE2488-1 | 5W55772.D | 110 |
| JE2488-2 | 5W55716.D | |
| JE2488-2 | 5W55773.D | 109 |
| JE2666-1DUP | 5W55764.D | 117 |
| V5W2135-BS | 5W55753.D | 99 |
| V5W2135-BSD | 5W55754.D | 97 |
| V5W2135-MB | 5W55756.D | 109 |
| V7W379-SCC | 7W10315.D | 93 |
| V7W387-SCC | 7W10605.D | 85 |
| V7W379-BS | 7W10300.D | 96 |
| V7W379-BSD | 7W10301.D | 96 |
| V7W379-MB | 7W10303.D | 94 |
| V7W387-BS | 7W10577.D | 93 |
| V7W387-BSD | 7W10578.D | 94 |
| V7W387-MB | 7W10580.D | 88 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = 4-Bromofluorobenzene | 65-128% |

# Initial Calibration Summary



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICC2125
**Lab FileID:** 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.494 | 1.548 | 1.299 | 1.657 | 0.642 | 1.669 | 1.274 | | | 1.369 | 26.06 |
| 3) FREON 152A | 0.717 | 0.684 | 0.712 | 0.756 | 0.789 | 0.758 | 0.757 | 0.760 | 0.726 | 0.740 | 4.36 |
| 4) CHLORODIFLUOROMETHANE | 0.279 | 0.341 | 0.371 | 0.394 | 0.410 | 0.406 | 0.414 | 0.428 | 0.410 | 0.384 | 12.27 |
| 5) CHLOROTRIFLUOROETHENE | 1.677 | 1.542 | 1.642 | 1.717 | 1.772 | 1.742 | 1.780 | 1.866 | 1.846 | 1.732 | 5.86 |
| 6) DICHLORODIFLUOROMETHANE | 3.513 | 3.536 | 3.550 | 3.840 | 3.911 | 3.777 | 3.705 | 3.640 | 3.418 | 3.654 | 4.52 |
| 7) PROPYLENE | 1.224 | 1.033 | 0.862 | 0.907 | 0.898 | 0.861 | 0.861 | 0.849 | 0.788 | 0.920 | 14.31 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.008 | 3.852 | 3.920 | 4.118 | 4.140 | 3.754 | 3.537 | 3.345 | 3.006 | 3.742 | 10.16 |
| 9) FREON 114 | 4.598 | 4.822 | 4.882 | 5.183 | 5.093 | 4.507 | 4.151 | 3.758 | 3.349 | 4.483 | 13.82 |
| 10) CHLOROMETHANE | 0.398 | 0.543 | 0.544 | 0.546 | 0.525 | 0.463 | 0.435 | 0.413 | 0.375 | 0.471 | 14.66 |
| 11) VINYL CHLORIDE | 1.756 | 1.727 | 1.812 | 1.894 | 1.887 | 1.639 | 1.511 | 1.406 | 1.304 | 1.659 | 12.74 |
| 12) 1,3-BUTADIENE | 1.420 | 1.134 | 1.171 | 1.246 | 1.221 | 1.066 | 0.996 | 0.917 | 0.850 | 1.114 | 15.90 |
| 13) n-BUTANE | 2.733 | 2.476 | 2.579 | 2.336 | 1.998 | 1.834 | 1.628 | 1.508 | | 2.136 | 21.46 |
| 14) BROMOMETHANE | 2.365 | 1.858 | 1.978 | 1.857 | 1.631 | 1.518 | 1.426 | 1.356 | | 1.749 | 19.11 |
| 15) CHLOROETHANE | 0.846 | 0.831 | 0.838 | 0.890 | 0.827 | 0.725 | 0.666 | 0.613 | 0.589 | 0.758 | 14.78 |
| 16) DICHLOROFLUOROMETHANE | 4.518 | 4.122 | 4.054 | 4.299 | 4.145 | 3.576 | 3.289 | 2.965 | 2.768 | 3.748 | 16.61 |
| 17) ACETONITRILE | 1.389 | 1.492 | 1.554 | 1.399 | 1.170 | 1.073 | 0.927 | 0.867 | | 1.234 | 21.21 |
| 18) ACROLEIN | 0.585 | 0.528 | 0.670 | 0.602 | 0.545 | 0.504 | 0.450 | 0.426 | | 0.539 | 14.94 |
| 19) FREON 123 | 4.363 | 4.195 | 4.097 | 4.417 | 4.204 | 3.644 | 3.338 | 2.930 | 2.766 | 3.773 | 16.67 |
| 20) FREON 123A | 2.136 | 2.135 | 2.173 | 2.278 | 2.198 | 1.969 | 1.835 | 1.696 | 1.633 | 2.006 | 11.66 |
| 21) TRICHLOROFLUOROMETHANE | 3.235 | 3.373 | 3.388 | 3.743 | 3.622 | 3.391 | 3.312 | 3.257 | 3.072 | 3.377 | 5.98 |
| 22) ISOPROPYL ALCOHOL | 2.807 | 2.426 | 2.240 | 1.968 | 2.127 | 2.047 | 1.877 | 1.627 | | 2.140 | 16.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

# Initial Calibration Summary

**Job Number:** JE2488 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2488 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.550 | -13.2 | 101 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.662 | 10.5 | 95 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.376 | 2.1 | 100 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.640 | 5.3 | 102 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.452 | 5.5 | 99 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 0.715 | 22.3 | 90 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.499 | 6.5 | 101 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.285 | 4.4 | 103 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.409 | 13.2 | 96 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.513 | 8.8 | 100 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.994 | 10.8 | 101 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.839 | 13.9 | 100 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.560 | 10.8 | 104 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.680 | 10.3 | 102 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.432 | 8.4 | 104 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.102 | 10.7 | 102 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.535 | 0.7 | 106 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.394 | 10.0 | 101 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.773 | 11.6 | 98 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.288 | 2.6 | 105 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 1.917 | 10.4 | 98 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.603 | 25.3 | 101 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 0.903 | 15.1 | 91 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 2.883 | -2.3 | 106 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.010 | 3.5 | 102 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.051 | -0.8 | 104 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.618 | 21.2 | 85 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.474 | 1.1 | 105 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.581 | 30.7# | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 0.953 | 9.2 | 101 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.475 | 1.9 | 99 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.778 | -2.2 | 109 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.077 | 2.6 | 103 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.303 | -14.4 | 110 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 2.868 | -1.2 | 100 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.474 | -9.2 | 101 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.462 | 6.7 | 93 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.199 | -11.2 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 1.875 | 8.8 | 95 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.464 | -6.9 | 97 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.116 | 2.8 | 101 | 0.00 | 7.50 |

# Initial Calibration Verification

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.459 | 3.6 | 95 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.334 | -4.4 | 96 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 1.852 | 2.8 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.506 | 2.4 | 103 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.678 | 2.1 | 95 | 0.00 | 8.67 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.588 | 0.7 | 105 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.815 | -2.2 | 106 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.609 | 3.7 | 98 | 0.00 | 8.61 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.689 | 5.0 | 99 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.278 | -2.2 | 101 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.145 | 1.4 | 99 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.366 | 4.2 | 102 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.279 | 9.4 | 98 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.353 | 5.6 | 109 | 0.00 | 10.34 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.507 | -4.5 | 98 | 0.00 | 10.42 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.656 | 1.6 | 101 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.060 | 3.7 | 95 | 0.00 | 10.69 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 105 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.358 | 6.8 | 93 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.246 | -2.1 | 98 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.207 | -1.0 | 97 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.452 | 3.2 | 94 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.517 | -2.0 | 101 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.442 | 0.9 | 100 | 0.00 | 13.01 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.457 | -6.3 | 99 | 0.00 | 12.41 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.292 | 4.6 | 100 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.552 | -16.9 | 97 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.833 | -20.5 | 102 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.683 | -4.6 | 108 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.276 | -20.2 | 107 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.966 | -9.6 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.935 | -6.5 | 93 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.802 | -9.4 | 106 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.323 | -2.8 | 103 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 2.064 | -11.9 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.808 | -15.4 | 103 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.778 | -14.6 | 102 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.179 | -21.0 | 102 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 0.971 | -5.9 | 93 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.261 | -16.0 | 106 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.167 | -4.3 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.407 | -3.1 | 99 | 0.00 | 16.91 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.011 | -2.5 | 100 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.353 | -12.0 | 104 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.216 | -2.4 | 101 | 0.00 | 17.91 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.618 | -17.5 | 107 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.636 | -19.3 | 105 | 0.00 | 18.64 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.292 | -18.2 | 102 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.939 | -17.0 | 102 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 1.017 | -13.6 | 105 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.426 | -17.7 | 107 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 2.096 | -20.5 | 103 | 0.00 | 19.63 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.565 | -14.3 | 105 | 0.00 | 19.82 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.201 | -18.0 | 105 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.435 | -12.3 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.513 | -18.8 | 106 | 0.00 | 20.02 |

# Initial Calibration Verification

**Job Number:** JE2488 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.098 | -18.8 | 104 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.615 | -21.3 | 108 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.380 | -11.0 | 106 | 0.00 | 20.41 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.577 | -23.6 | 105 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.978 | -12.4 | 99 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.383 | -18.3 | 107 | 0.00 | 23.37 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.294 | -16.9 | 111 | 0.00 | 23.22 |
| 108 | | NAPHTHALENE | 2.431 | 3.137 | -29.0 | 113 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 6.032 | 22.9 | 93 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

# Continuing Calibration Summary



**Job Number:** JE2488 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.616 | -18.0 | 81 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.821 | -10.9 | 91 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.465 | -21.1 | 96 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.629 | 5.9 | 78 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.113 | -12.6 | 91 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.032 | -12.2 | 100 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.360 | -16.5 | 97 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.805 | -7.2 | 89 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.474 | -0.6 | 86 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.714 | -3.3 | 87 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.073 | 3.7 | 84 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.200 | -3.0 | 92 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.690 | 3.4 | 87 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.740 | 2.4 | 85 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.935 | -5.0 | 92 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.331 | -7.9 | 95 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.585 | -8.5 | 90 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.021 | -6.6 | 92 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.013 | -0.3 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.683 | -9.1 | 91 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.334 | -9.1 | 92 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.651 | 19.3 | 84 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.238 | -16.5 | 96 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.362 | -19.3 | 95 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.155 | -10.3 | 90 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.682 | -21.6 | 96 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.789 | -0.6 | 84 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.544 | -3.6 | 85 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.729 | 13.0 | 91 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.130 | -7.7 | 93 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.599 | -23.8 | 96 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.151 | -23.6 | 102 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.218 | -10.1 | 90 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.534 | -25.9 | 93 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.531 | -24.6 | 95 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.582 | -34.1# | 95 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.867 | -19.1 | 92 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.213 | -19.0 | 89 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.409 | -17.2 | 94 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.591 | -36.2# | 95 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.282 | -11.7 | 90 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.568 | -19.3 | 91 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.430 | -34.4# | 95 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.409 | -26.5 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.047 | -18.7 | 97 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.103 | -22.7 | 92 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.046 | -16.8 | 95 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.193 | -15.9 | 93 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.148 | -28.6 | 101 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 87 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.806 | -11.2 | 93 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.313 | -15.1 | 91 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 95 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.406 | -6.3 | 91 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.329 | -6.8 | 93 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.462 | -23.5 | 115 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.633 | -30.5# | 99 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.790 | -18.4 | 98 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.269 | -15.3 | 92 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.189 | -11.8 | 90 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.476 | -24.0 | 100 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.303 | -25.7 | 97 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.248 | -21.0 | 93 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 96 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.551 | -8.7 | 87 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.516 | -15.7 | 94 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.542 | -26.0 | 95 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.338 | -10.5 | 94 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.575 | -21.8 | 92 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.859 | -24.3 | 96 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.715 | -9.5 | 103 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.099 | -3.5 | 84 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.901 | -2.3 | 87 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.107 | -26.1 | 101 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.698 | 4.8 | 84 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.199 | 6.8 | 85 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.000 | -8.5 | 89 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.722 | -3.1 | 84 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.712 | -4.9 | 85 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.083 | -11.2 | 85 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.169 | -27.5 | 102 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.501 | -38.1# | 115 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.131 | -1.1 | 94 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.454 | -6.5 | 93 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.059 | -7.4 | 95 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.126 | -1.2 | 85 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.257 | -5.9 | 95 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.529 | -0.6 | 84 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.549 | -3.0 | 82 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.116 | -9.1 | 86 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.768 | -6.7 | 85 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.874 | 2.3 | 82 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.355 | 1.9 | 81 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.921 | -10.5 | 86 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.467 | -7.2 | 90 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.070 | -10.9 | 90 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.361 | -6.5 | 91 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.431 | 0.2 | 81 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.920 | -8.7 | 86 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.506 | 0.2 | 81 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.301 | -4.7 | 91 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.491 | -5.1 | 82 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.996 | -14.5 | 92 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.903 | -62.8# | 134 | 0.00 | 23.36 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.545 | -39.6# | 120 | 0.00 | 23.21 |
| 108 | | NAPHTHALENE | 2.431 | 2.518 | -3.6 | 83 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.146 | -4.1 | 97 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

# Continuing Calibration Summary



**Job Number:** JE2488 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55752.D Vial: 1
Acq On : 19 Dec 2024 4:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.660 | -21.3 | 94 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.882 | -19.2 | 111 | 0.00 | 3.54 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.486 | -26.6 | 114 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.748 | -0.9 | 95 | 0.00 | 3.60 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.404 | -20.5 | 111 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 1.106 | -20.2 | 122 | 0.00 | 3.59 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.432 | -18.4 | 112 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 5.010 | -11.8 | 106 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.492 | -4.5 | 101 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.776 | -7.1 | 103 | 0.00 | 3.92 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.112 | 0.2 | 99 | 0.00 | 4.02 |
| 13 | n-BUTANE | 2.136 | 2.269 | -6.2 | 108 | 0.00 | 4.06 |
| 14 | BROMOMETHANE | 1.749 | 1.754 | -0.3 | 102 | 0.00 | 4.22 |
| 15 | CHLOROETHANE | 0.758 | 0.782 | -3.2 | 103 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 4.030 | -7.5 | 107 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.353 | -9.6 | 110 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.590 | -9.5 | 103 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.134 | -9.6 | 108 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.080 | -3.7 | 100 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 4.029 | -19.3 | 113 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.576 | -20.4 | 115 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.666 | 17.5 | 97 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.322 | -24.4 | 117 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.408 | -21.0 | 110 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.176 | -12.3 | 105 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.764 | -24.3 | 112 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.848 | -8.2 | 103 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.629 | -9.3 | 102 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.770 | 8.1 | 109 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.139 | -8.6 | 106 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.608 | -25.6 | 111 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.172 | -24.8 | 117 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.242 | -12.3 | 104 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.607 | -29.5 | 109 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.690 | -30.2# | 113 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.597 | -37.6# | 111 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.974 | -26.0 | 110 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.232 | -29.6 | 109 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.483 | -20.8 | 111 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.606 | -39.6# | 111 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.309 | -14.0 | 104 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.591 | -24.2 | 108 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.452 | -41.3# | 114 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.519 | -32.2# | 115 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.143 | -22.4 | 113 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.221 | -29.6 | 111 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.124 | -19.8 | 111 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.301 | -19.8 | 109 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.216 | -32.7# | 119 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.844 | -16.4 | 111 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.327 | -20.2 | 108 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.181 | -23.1 | 114 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.420 | -9.9 | 107 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.347 | -12.7 | 111 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.483 | -29.1 | 137 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.665 | -37.1# | 118 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.820 | -22.9 | 116 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.338 | -21.5 | 110 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.198 | -17.2 | 107 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.499 | -29.9 | 119 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.319 | -32.4# | 116 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.259 | -26.3 | 111 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.598 | -28.1 | 114 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.580 | -14.4 | 104 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.542 | -21.5 | 112 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.569 | -32.3# | 113 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.355 | -16.0 | 112 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 110 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.603 | -27.8 | 112 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.892 | -29.1 | 115 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.735 | -12.6 | 123 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.134 | -6.8 | 100 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.917 | -4.1 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.148 | -30.8# | 121 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.712 | 2.9 | 100 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.222 | 5.1 | 100 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.044 | -10.8 | 106 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.740 | -5.7 | 100 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.722 | -6.3 | 99 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.099 | -12.8 | 100 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.205 | -31.4# | 122 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.547 | -42.3# | 137 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.108 | 1.0 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.488 | -9.0 | 110 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.068 | -8.3 | 111 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.181 | -3.8 | 102 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.281 | -7.9 | 112 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.535 | -1.7 | 98 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.553 | -3.8 | 96 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.140 | -10.4 | 100 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.780 | -7.4 | 99 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.888 | 0.8 | 96 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.362 | 0.0 | 96 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.953 | -12.3 | 101 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.490 | -8.8 | 106 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.061 | -10.5 | 103 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.366 | -6.9 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.436 | -0.9 | 95 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.929 | -9.2 | 100 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.508 | -0.2 | 94 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.298 | -4.4 | 105 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.489 | -4.7 | 94 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.995 | -14.4 | 106 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.877 | -60.6# | 153# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.517 | -37.0# | 137 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.441 | -0.4 | 93 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.517 | -8.8 | 115 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Fri Dec 20 13:43:47 2024

# Initial Calibration Summary



**Job Number:** JE2488 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.410 | 1.323 | 1.332 | 1.370 | 0.628 | 1.427 | 1.321 | 1.450 | | 1.282 | 20.97 |
| 3) FREON 152A | 0.766 | 0.691 | 0.666 | 0.702 | 0.665 | 0.692 | 0.673 | 0.681 | 0.695 | 0.692 | 4.39 |
| 4) CHLORODIFLUOROMETHANE | 0.341 | 0.319 | 0.348 | 0.350 | 0.313 | 0.337 | 0.326 | 0.329 | 0.340 | 0.334 | 3.87 |
| 5) CHLOROTRIFLUOROETHENE | 1.776 | 1.676 | 1.535 | 1.621 | 1.510 | 1.603 | 1.570 | 1.636 | 1.676 | 1.623 | 5.00 |
| 6) DICHLORODIFLUOROMETHANE | 3.889 | 3.781 | 3.954 | 3.963 | 3.920 | 4.135 | 4.066 | 4.167 | 4.214 | 4.010 | 3.59 |
| 7) PROPYLENE | 1.094 | 1.136 | 0.965 | 0.913 | 0.864 | 0.902 | 0.889 | 0.913 | 0.948 | 0.958 | 9.85 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 3.272 | 3.202 | 3.328 | 3.433 | 3.252 | 3.450 | 3.399 | 3.437 | 3.443 | 3.357 | 2.85 |
| 9) FREON 114 | 3.127 | 3.393 | 3.214 | 3.441 | 3.334 | 3.519 | 3.484 | 3.579 | 3.609 | 3.411 | 4.77 |
| 10) CHLOROMETHANE | 0.752 | 0.540 | 0.501 | 0.489 | 0.467 | 0.488 | 0.475 | 0.483 | 0.479 | 0.519 | 17.25 |
| 11) VINYL CHLORIDE | 1.748 | 1.508 | 1.584 | 1.620 | 1.573 | 1.612 | 1.570 | 1.583 | 1.572 | 1.597 | 4.07 |
| 12) 1,3-BUTADIENE | 1.426 | 1.317 | 1.348 | 1.274 | 1.229 | 1.296 | 1.252 | 1.268 | 1.275 | 1.298 | 4.56 |
| 13) N-BUTANE | 2.469 | 2.388 | 2.309 | 2.447 | 2.292 | 2.405 | 2.323 | 2.351 | 2.355 | 2.371 | 2.58 |
| 14) BROMOMETHANE | 1.376 | 1.314 | 1.295 | 1.306 | 1.211 | 1.264 | 1.230 | 1.248 | 1.248 | 1.277 | 3.98 |
| 15) CHLOROETHANE | 0.821 | 0.738 | 0.826 | 0.853 | 0.820 | 0.839 | 0.821 | 0.826 | 0.817 | 0.818 | 3.91 |
| 16) DICHLOROFLUOROMETHANE | 2.969 | 2.937 | 3.144 | 3.211 | 3.077 | 3.224 | 3.132 | 3.217 | 3.219 | 3.126 | 3.52 |
| 17) ACETONITRILE | 1.809 | 1.911 | 1.622 | 1.405 | 1.433 | 1.401 | 1.424 | 1.414 | | 1.552 | 13.19 |
| 18) ACROLEIN | 0.969 | 0.801 | 0.726 | 0.727 | 0.762 | 0.739 | 0.754 | 0.758 | | 0.779 | 10.32 |
| 19) FREON 123 | 3.302 | 2.915 | 3.162 | 3.138 | 3.083 | 3.234 | 3.174 | 3.273 | 3.305 | 3.176 | 3.92 |
| 20) FREON 123A | 1.695 | 1.757 | 1.752 | 1.832 | 1.796 | 1.886 | 1.860 | 1.906 | 1.913 | 1.822 | 4.21 |
| 21) TRICHLOROFLUOROMETHANE | 3.507 | 3.486 | 3.424 | 3.639 | 3.527 | 3.726 | 3.643 | 3.717 | 3.694 | 3.596 | 3.10 |
| 22) ISOPROPYL ALCOHOL | 4.381 | 3.891 | 3.555 | 3.314 | 2.991 | 3.250 | 3.022 | 3.012 | 3.067 | 3.387 | 14.11 |
| 23) ACETONE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2488 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1.285 | 0.991 | 0.851 | 0.841 | 0.818 | 0.841 | 0.836 | 0.923 | 18.38 |
| 24) | PENTANE | | | | | | | | | | |
| | | 2.149 | 1.846 | 1.699 | 1.714 | 1.614 | 1.648 | 1.601 | 1.606 | 1.607 | 1.720 | 10.40 |
| 25) | IODOMETHANE | | | | | | | | | | |
| | | 2.782 | 2.914 | 3.026 | 3.144 | 3.102 | 3.247 | 3.191 | 3.256 | 3.255 | 3.102 | 5.37 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | |
| | | 1.339 | 1.349 | 1.334 | 1.339 | 1.302 | 1.359 | 1.329 | 1.342 | 1.349 | 1.338 | 1.21 |
| 27) | CARBON DISULFIDE | | | | | | | | | | |
| | | 3.488 | 3.732 | 3.787 | 3.791 | 3.810 | 4.022 | 4.015 | 4.214 | 4.238 | 3.900 | 6.23 |
| 28) | ETHANOL | | | | | | | | | | |
| | | | 1.215 | 1.135 | 0.882 | 0.863 | 0.799 | 0.782 | 0.802 | 0.925 | 18.97 |
| 29) | BROMOETHENE | | | | | | | | | | |
| | | 1.229 | 1.137 | 1.176 | 1.238 | 1.187 | 1.262 | 1.245 | 1.256 | 1.261 | 1.221 | 3.63 |
| 30) | ACRYLONITRILE | | | | | | | | | | |
| | | 1.663 | 1.236 | 1.359 | 1.289 | 1.182 | 1.167 | 1.129 | 1.137 | 1.136 | 1.255 | 13.68 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | |
| | | | 1.830 | 1.573 | 1.404 | 1.212 | 1.269 | 1.236 | 1.243 | 1.250 | 1.377 | 15.94 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | |
| | | 0.791 | 0.697 | 0.733 | 0.656 | 0.661 | 0.700 | 0.684 | 0.705 | 0.714 | 0.705 | 5.74 |
| 33) | FREON 113 | | | | | | | | | | |
| | | 1.953 | 2.006 | 2.100 | 2.122 | 2.068 | 2.169 | 2.152 | 2.189 | 2.196 | 2.106 | 3.98 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.439 | 1.274 | 1.263 | 1.355 | 1.236 | 1.309 | 1.280 | 1.290 | 1.299 | 1.305 | 4.60 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | |
| | | 3.331 | 3.384 | 3.189 | 3.305 | 2.885 | 3.383 | 3.211 | 3.229 | 3.343 | 3.251 | 4.78 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | |
| | | 3.163 | 3.190 | 3.191 | 3.189 | 3.103 | 3.315 | 3.318 | 3.482 | 3.557 | 3.279 | 4.70 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | |
| | | 0.452 | 0.624 | 0.640 | 0.618 | 0.634 | 0.666 | 0.655 | 0.666 | 0.667 | 0.625 | 10.78 |
| 38) | HEXANE | | | | | | | | | | |
| | | 3.362 | 2.615 | 2.581 | 2.590 | 2.513 | 2.671 | 2.671 | 2.777 | 2.784 | 2.729 | 9.28 |
| 39) | VINYL ACETATE | | | | | | | | | | |
| | | | 0.272 | 0.260 | 0.243 | 0.276 | 0.304 | 0.324 | 0.351 | 0.358 | 0.298 | 14.25 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | |
| | | 2.584 | 2.330 | 2.424 | 2.438 | 2.346 | 2.451 | 2.406 | 2.454 | 2.453 | 2.432 | 3.01 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | |
| | | 0.587 | 0.696 | 0.659 | 0.674 | 0.645 | 0.676 | 0.667 | 0.688 | 0.695 | 0.665 | 5.07 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.410 | 1.399 | 1.355 | 1.426 | 1.322 | 1.389 | 1.356 | 1.395 | 1.404 | 1.384 | 2.37 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | |
| | | 0.558 | 0.733 | 0.632 | 0.706 | 0.701 | 0.744 | 0.754 | 0.779 | 0.785 | 0.710 | 10.38 |
| 44) | ETHYL ACETATE | | | | | | | | | | |
| | | 0.474 | 0.551 | 0.516 | 0.477 | 0.496 | 0.531 | 0.531 | 0.558 | 0.560 | 0.522 | 6.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | |
| | | 2.541 | 2.807 | 2.755 | 2.859 | 2.914 | 3.135 | 3.174 | 3.354 | 3.367 | 2.989 | 9.48 |
| 46) | CHLOROFORM | | | | | | | | | | |
| | | 2.646 | 2.807 | 2.779 | 2.816 | 2.689 | 2.876 | 2.826 | 2.888 | 2.865 | 2.799 | 2.96 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | |
| | | 2.729 | 3.054 | 2.793 | 2.988 | 2.813 | 2.955 | 2.896 | 3.028 | 3.020 | 2.920 | 4.02 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | |
| | | 2.474 | 2.500 | 2.353 | 2.453 | 2.343 | 2.561 | 2.618 | 2.798 | 2.832 | 2.548 | 6.87 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | |
| | | 2.051 | 2.325 | 2.277 | 2.344 | 2.366 | 2.602 | 2.682 | 2.902 | 2.961 | 2.501 | 12.18 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | |
| | | 1.957 | 2.162 | 2.154 | 2.195 | 2.048 | 2.139 | 2.092 | 2.177 | 2.182 | 2.123 | 3.66 |
| 51) | BENZENE | | | | | | | | | | |
| | | 4.645 | 4.341 | 4.061 | 4.092 | 3.835 | 3.998 | 3.955 | 4.074 | 4.073 | 4.119 | 5.80 |
| 52) | I 1,4-DIFLUOROBENZENE | ---------- | ISTD | ---------- | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.369 | 0.346 | 0.343 | 0.352 | 0.340 | 0.351 | 0.349 | 0.367 | 0.363 | 0.353 | 2.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.170 | 0.164 | 0.179 | 0.182 | 0.179 | 0.185 | 0.183 | 0.193 | 0.193 | 0.181 | 5.20 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.398 | 0.396 | 0.357 | 0.373 | 0.365 | 0.380 | 0.376 | 0.401 | 0.401 | 0.383 | 4.32 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.333 | 0.350 | 0.324 | 0.336 | 0.327 | 0.347 | 0.336 | 0.359 | 0.356 | 0.341 | 3.70 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.338 | 0.344 | 0.317 | 0.319 | 0.303 | 0.314 | 0.308 | 0.326 | 0.325 | 0.321 | 4.17 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.690 | 0.695 | 0.682 | 0.662 | 0.696 | 0.748 | 0.759 | 0.821 | 0.830 | 0.731 | 8.42 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.513 | 0.538 | 0.542 | 0.547 | 0.578 | 0.618 | 0.621 | 0.666 | 0.668 | 0.588 | 9.80 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.621 | 1.605 | 1.636 | 1.614 | 1.577 | 1.612 | 1.580 | 1.672 | 1.650 | 1.619 | 1.91 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | | 0.177 | 0.255 | 0.238 | 0.213 | 0.206 | 0.190 | 0.198 | 0.201 | 0.210 | 12.16 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.586 | 0.559 | 0.576 | 0.557 | 0.538 | 0.559 | 0.559 | 0.593 | 0.587 | 0.568 | 3.21 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.303 | 0.292 | 0.300 | 0.280 | 0.291 | 0.307 | 0.310 | 0.335 | 0.335 | 0.306 | 6.10 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.397 | 0.363 | 0.379 | 0.349 | 0.335 | 0.331 | 0.323 | 0.339 | 0.333 | 0.350 | 7.08 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.352 | 0.383 | 0.374 | 0.375 | 0.419 | 0.463 | 0.487 | 0.537 | 0.541 | 0.437 | 16.64 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 1.112 | 1.040 | 1.039 | 1.032 | 1.007 | 1.061 | 1.057 | 1.119 | 1.108 | 1.064 | 3.76 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.501 | 0.487 | 0.509 | 0.512 | 0.507 | 0.534 | 0.536 | 0.565 | 0.553 | 0.523 | 4.98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | | 0.267 | 0.259 | 0.266 | 0.319 | 0.371 | 0.416 | 0.478 | 0.488 | 0.358 | 26.45 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.267 | 0.292 | 0.278 | 0.288 | 0.284 | 0.297 | 0.295 | 0.310 | 0.309 | 0.291 | 4.78 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.598 | 0.620 | 0.572 | 0.553 | 0.517 | 0.491 | 0.484 | 0.491 | 0.478 | 0.534 | 10.04 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.458 | 0.451 | 0.463 | 0.448 | 0.491 | 0.524 | 0.545 | 0.590 | 0.584 | 0.506 | 11.22 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.463 | 0.385 | 0.390 | 0.357 | 0.348 | 0.360 | 0.359 | 0.381 | 0.379 | 0.380 | 8.99 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.434 | 0.488 | 0.472 | 0.491 | 0.549 | 0.599 | 0.623 | 0.678 | 0.681 | 0.557 | 16.50 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.497 | 0.457 | 0.478 | 0.477 | 0.496 | 0.533 | 0.534 | 0.571 | 0.568 | 0.512 | 8.00 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 1.122 | 0.866 | 0.835 | 0.792 | 0.775 | 0.810 | 0.806 | 0.852 | 0.836 | 0.855 | 12.18 |
| 76) | I CHLOROBENZENE-D5 | ---------- | ISTD | ---------- | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.389 | 0.401 | 0.377 | 0.364 | 0.403 | 0.443 | 0.463 | 0.507 | 0.513 | 0.429 | 12.93 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.901 | 0.981 | 0.941 | 0.950 | 0.939 | 0.968 | 0.976 | 1.030 | 1.026 | 0.968 | 4.31 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.712 | 1.561 | 1.546 | 1.530 | 1.507 | 1.550 | 1.567 | 1.652 | 1.657 | 1.587 | 4.37 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 1.338 | 1.226 | 1.195 | 1.209 | 1.202 | 1.246 | 1.249 | 1.310 | 1.306 | 1.253 | 4.19 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 1.276 | 1.232 | 1.206 | 1.207 | 1.201 | 1.249 | 1.268 | 1.341 | 1.345 | 1.258 | 4.37 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.842 | 0.861 | 0.852 | 0.862 | 0.892 | 0.925 | 0.944 | 1.006 | 1.010 | 0.910 | 7.13 |
| 83) | NONANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2488 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

# Initial Calibration Verification



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.339 | -4.4 | 94 | 0.00 | 1.61 |
| 3 | T | FREON 152A | 0.692 | 0.659 | 4.8 | 95 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.311 | 6.9 | 92 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.535 | 5.4 | 95 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.114 | -2.6 | 99 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 0.844 | 11.9 | 93 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.483 | -3.8 | 101 | 0.00 | 1.72 |
| 9 | T | FREON 114 | 3.411 | 3.581 | -5.0 | 101 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.486 | 6.4 | 99 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.598 | -0.1 | 99 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.256 | 3.2 | 97 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.342 | 1.2 | 97 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.271 | 0.5 | 100 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.828 | -1.2 | 98 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.292 | -5.3 | 102 | 0.00 | 1.98 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 102 | 0.00 | 2.05 |
| 18 | T | ACROLEIN | 0.779 | 0.760 | 2.4 | 99 | 0.00 | 2.09 |
| 19 | T | FREON 123 | 3.176 | 3.121 | 1.7 | 96 | 0.00 | 2.10 |
| 20 | T | FREON 123A | 1.822 | 1.735 | 4.8 | 92 | 0.00 | 2.12 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.751 | -4.3 | 100 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.362 | 0.7 | 103 | 0.00 | 2.21 |
| 23 | T | ACETONE | 0.923 | 0.836 | 9.4 | 99 | 0.00 | 2.13 |
| 24 | T | PENTANE | 1.720 | 1.599 | 7.0 | 97 | 0.00 | 2.30 |
| 25 | T | IODOMETHANE | 3.102 | 3.305 | -6.5 | 101 | 0.00 | 2.36 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.386 | -3.6 | 102 | 0.00 | 2.39 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.327 | -10.9 | 107 | 0.00 | 2.52 |
| 28 | T | ETHANOL | 0.925 | 0.759 | 17.9 | 88 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.279 | -4.8 | 101 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.150 | 8.4 | 98 | 0.00 | 2.27 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.301 | 5.5 | 102 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.704 | 0.1 | 100 | 0.00 | 2.47 |
| 33 | T | FREON 113 | 2.106 | 2.269 | -7.7 | 104 | 0.00 | 2.52 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.340 | -2.7 | 102 | 0.00 | 2.75 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.902 | -20.0 | 115 | -0.01 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.328 | -1.5 | 100 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.640 | -2.4 | 96 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.432 | 10.9 | 91 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.318 | -6.7 | 104 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.353 | 3.2 | 96 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.636 | 4.4 | 94 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.344 | 2.9 | 96 | 0.00 | 3.19 |

# Initial Calibration Verification

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.699 | 1.5 | 94 | 0.00 | 3.32 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.486 | 6.9 | 91 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 2.977 | 0.4 | 95 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.786 | 0.5 | 97 | 0.00 | 3.34 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 2.738 | 6.2 | 92 | 0.00 | 3.83 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.487 | 2.4 | 97 | 0.00 | 3.91 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.437 | 2.6 | 93 | 0.00 | 4.33 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.036 | 4.1 | 95 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 3.772 | 8.4 | 94 | 0.00 | 4.22 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.339 | 4.0 | 94 | 0.00 | 4.43 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.178 | 1.7 | 94 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.371 | 3.1 | 96 | 0.00 | 5.12 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.332 | 2.6 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.315 | 1.9 | 98 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.731 | 0.0 | 96 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.601 | -2.2 | 95 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.510 | 6.7 | 92 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.196 | 6.7 | 93 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.517 | 9.0 | 90 | 0.00 | 5.53 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.302 | 1.3 | 96 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.313 | 10.6 | 92 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.425 | 2.7 | 90 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.019 | 4.2 | 94 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.366 | -2.2 | 97 | 0.00 | 6.73 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.294 | -1.0 | 97 | 0.00 | 6.89 |
| 70 | T | 2-HEXANONE | 0.534 | 0.460 | 13.9 | 91 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.529 | -4.5 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 96 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.581 | -4.3 | 95 | 0.00 | 7.79 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.521 | -1.8 | 96 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.745 | 12.9 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.429 | 0.0 | 94 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.941 | 2.8 | 95 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.502 | 5.4 | 94 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.194 | 4.7 | 93 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.192 | 5.2 | 93 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.891 | 2.1 | 94 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.903 | 9.2 | 90 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.548 | -0.7 | 91 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.875 | 1.2 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 93 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.729 | 0.7 | 98 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.469 | 1.7 | 95 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.886 | 1.8 | 95 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.442 | -1.1 | 96 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.490 | 0.2 | 94 | 0.00 | 15.29 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.702 | 2.1 | 92 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.428 | 2.3 | 93 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.806 | -3.7 | 97 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.344 | 1.7 | 95 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.502 | 1.7 | 93 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.634 | -42.5# | 109 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.011 | 0.9 | 94 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.984 | 2.7 | 95 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.956 | 2.0 | 95 | 0.00 | 17.04 |

# Initial Calibration Verification

**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.444 | -0.9 | 95 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.505 | 2.7 | 94 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.494 | -0.6 | 95 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 94 | 0.00 | 17.43 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.465 | 1.7 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.720 | 1.9 | 98 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.928 | 5.0 | 95 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.550 | 0.2 | 103 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.972 | 8.1 | 97 | 0.00 | 2.30 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

# Continuing Calibration Summary



**Job Number:** JE2488 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10299.d Vial: 2
Acq On : 6 Nov 2024 9:06 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.658 | -29.3 | 86 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.923 | -33.4# | 98 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.366 | -9.6 | 80 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.891 | -16.5 | 87 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 3.934 | 1.9 | 70 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.201 | -25.4 | 98 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.838 | 15.5 | 61 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.196 | 6.3 | 67 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.496 | 4.4 | 75 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.668 | -4.4 | 76 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.353 | -4.2 | 77 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.461 | -3.8 | 75 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.174 | 8.1 | 69 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.865 | -5.7 | 76 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.041 | 2.7 | 70 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.601 | -3.2 | 82 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.793 | -1.8 | 77 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.044 | 4.2 | 69 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.696 | 6.9 | 66 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.213 | 10.7 | 64 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.297 | 2.7 | 75 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.922 | 0.1 | 81 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.814 | -5.5 | 81 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.798 | 9.8 | 64 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.227 | 8.3 | 67 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.447 | 11.6 | 63 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.920 | 0.5 | 79 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.165 | 4.6 | 68 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.213 | 3.3 | 77 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.147 | 16.7 | 67 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.618 | 12.3 | 65 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.784 | 15.3 | 61 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.366 | -4.7 | 77 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.028 | 6.9 | 66 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.644 | -11.1 | 81 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.734 | -17.4 | 81 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 3.031 | -11.1 | 84 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.331 | -11.1 | 80 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.910 | -19.7 | 88 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.763 | -14.7 | 83 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.476 | -6.6 | 78 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.826 | -16.3 | 82 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.601 | -15.1 | 84 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.470 | -16.1 | 82 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.822 | -0.8 | 72 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.453 | -18.3 | 86 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.681 | -5.2 | 77 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.757 | -10.2 | 78 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.147 | -1.1 | 74 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.388 | -6.5 | 81 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.380 | -7.6 | 80 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.206 | -13.8 | 82 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.386 | -0.8 | 75 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.400 | -17.3 | 85 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.317 | 1.2 | 74 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.842 | -15.2 | 83 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.628 | -6.8 | 75 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.852 | -14.4 | 85 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.220 | -4.8 | 79 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.633 | -11.4 | 83 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.337 | -10.1 | 81 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.362 | -3.4 | 80 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.511 | -16.9 | 81 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.074 | -0.9 | 74 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.547 | -4.6 | 75 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.436 | -21.8 | 86 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.315 | -8.2 | 78 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.522 | 2.2 | 78 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.574 | -13.4 | 81 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.376 | 1.1 | 77 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.598 | -7.4 | 73 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.540 | -5.5 | 75 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.882 | -3.2 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 10.13 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.460 | -7.2 | 77 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.913 | 5.7 | 70 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.505 | 5.2 | 72 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.179 | 5.9 | 70 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.179 | 6.3 | 70 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.903 | 0.8 | 72 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.999 | -0.4 | 76 | 0.00 | 13.57 |
| 84 | T | BROMOFORM | 0.544 | 0.582 | -7.0 | 74 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.877 | 1.0 | 72 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 71 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.712 | 3.0 | 73 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.448 | 6.1 | 69 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.865 | 4.1 | 70 | 0.00 | 13.83 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.412 | 5.7 | 69 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.472 | 3.9 | 69 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.681 | 3.3 | 70 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.375 | 6.0 | 68 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.734 | 5.5 | 68 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.322 | 8.0 | 68 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.404 | 8.1 | 66 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.823 | -84.9# | 108 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 68 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.934 | 7.6 | 69 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.894 | 8.4 | 68 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 67 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.382 | 10.7 | 66 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.450 | 8.4 | 66 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.450 | 7.8 | 66 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.510 | -7.8 | 77 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.704 | 4.1 | 73 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.874 | 10.5 | 68 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.023 | 20.8 | 62 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 8.339 | 3.9 | 75 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Nov 07 04:35:52 2024

# Continuing Calibration Summary



**Job Number:** JE2488 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 2 | T | FREON 115 | 1.282 | 1.751 | -36.6# | 98 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.896 | -29.5 | 103 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.350 | -4.8 | 82 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.974 | -21.6 | 98 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.006 | 0.1 | 77 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.105 | -15.3 | 97 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.741 | 18.3 | 63 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.281 | 3.8 | 74 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.443 | 14.6 | 72 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.580 | 1.1 | 78 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.191 | 8.2 | 73 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 1.995 | 15.9 | 66 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.238 | 3.1 | 78 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.842 | -2.9 | 80 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.996 | 4.2 | 74 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.302 | 16.1 | 72 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.718 | 7.8 | 75 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.134 | 1.3 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.837 | -0.8 | 77 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.386 | 5.8 | 72 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 2.874 | 15.1 | 70 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.893 | 3.3 | 84 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.489 | 13.4 | 72 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.311 | -6.7 | 81 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.303 | 2.6 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.511 | 10.0 | 69 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.784 | 15.2 | 72 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.289 | -5.6 | 81 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.082 | 13.8 | 74 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.185 | 13.9 | 74 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.629 | 10.8 | 71 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.070 | 1.7 | 76 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.420 | -8.8 | 86 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.965 | 8.8 | 70 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.620 | -10.4 | 87 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.712 | -13.9 | 85 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.946 | -8.0 | 88 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.338 | -13.4 | 88 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.846 | -17.0 | 92 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.744 | -11.9 | 87 | 0.00 | 3.01 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 84 | 0.01 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.812 | -14.4 | 87 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.572 | -9.6 | 86 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.335 | -11.6 | 85 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.797 | 0.1 | 77 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.308 | -13.3 | 89 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.738 | -7.5 | 85 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.867 | -14.6 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.055 | 3.2 | 76 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.293 | -4.2 | 85 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.358 | -1.4 | 84 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.191 | -5.5 | 85 | 0.00 | 4.70 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.372 | 2.9 | 80 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.375 | -10.0 | 89 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.325 | -1.2 | 85 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.786 | -7.5 | 86 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.602 | -2.4 | 80 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.727 | -6.7 | 88 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.202 | 3.8 | 81 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.573 | -0.9 | 84 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.321 | -4.9 | 86 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 84 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.496 | -13.5 | 88 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.020 | 4.1 | 79 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.516 | 1.3 | 79 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.429 | -19.8 | 95 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.296 | -1.7 | 82 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.484 | 9.4 | 81 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.537 | -6.1 | 84 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.381 | -0.3 | 87 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.600 | -7.7 | 82 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.520 | -1.6 | 80 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.790 | 7.6 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.459 | -7.0 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.879 | 9.2 | 76 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.418 | 10.6 | 76 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.118 | 10.8 | 75 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.118 | 11.1 | 75 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.860 | 5.5 | 77 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.887 | 10.9 | 75 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.598 | -9.9 | 85 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.832 | 6.1 | 76 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.649 | 9.4 | 74 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.681 | 7.2 | 78 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.439 | 8.0 | 76 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.818 | 9.3 | 75 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.402 | 8.0 | 75 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.459 | 6.5 | 76 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.624 | 6.6 | 75 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.314 | 10.1 | 73 | 0.00 | 15.99 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.701 | 9.8 | 72 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.319 | 8.9 | 76 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.357 | 11.2 | 72 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.850 | -91.0# | 125 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 76 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.931 | 7.9 | 77 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.892 | 8.6 | 76 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2488 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 75 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.334 | 13.8 | 71 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.444 | 9.6 | 73 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.445 | 8.8 | 73 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.499 | -5.5 | 85 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.703 | 4.2 | 82 | -0.01 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.850 | 13.0 | 74 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.975 | 22.7 | 68 | -0.01 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.045 | 18.8 | 68 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2125 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2125-BFB | 5W55458.D | 12/09/24 03:34 | n/a | BFB Tune |
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | n/a | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | n/a | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | n/a | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | n/a | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | n/a | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | n/a | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | n/a | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | n/a | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | n/a | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 13:55 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V5W2133 **Method:** TO-15 **Instrument ID:** GCMS5W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2133-BFB | 5W55699.D | 12/17/24 19:52 | n/a | BFB Tune |
| V5W2133-CC2125 | 5W55700.D | 12/17/24 20:32 | n/a | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 21:13 | n/a | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 22:35 | n/a | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 00:51 | n/a | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 01:36 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55708.D | 12/18/24 02:22 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 03:08 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55710.D | 12/18/24 03:55 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55711.D | 12/18/24 04:42 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 05:29 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 06:16 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 07:02 | n/a | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 08:40 | n/a | OA-2 |
| JE2488-2DUP | 5W55717.D | 12/18/24 09:29 | n/a | Duplicate |
| ZZZZZZ | 5W55718.D | 12/18/24 10:17 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55719.D | 12/18/24 11:06 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55720.D | 12/18/24 11:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55721.D | 12/18/24 12:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55722.D | 12/18/24 13:30 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55723.D | 12/18/24 14:18 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55724.D | 12/18/24 14:59 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55725.D | 12/18/24 15:40 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2135 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2135-BFB | 5W55751.D | 12/19/24 15:40 | n/a | BFB Tune |
| V5W2135-CC2125 | 5W55752.D | 12/19/24 16:21 | n/a | Continuing cal 10 |
| V5W2135-BS | 5W55753.D | 12/19/24 17:20 | n/a | Blank Spike |
| V5W2135-BSD | 5W55754.D | 12/19/24 18:00 | n/a | Blank Spike Duplicate |
| V5W2135-MB | 5W55756.D | 12/19/24 19:38 | n/a | Method Blank |
| V5W2135-SCC | 5W55757.D | 12/19/24 20:18 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55758.D | 12/19/24 20:59 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55759.D | 12/19/24 21:40 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55760.D | 12/19/24 22:21 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55761.D | 12/19/24 23:01 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55762.D | 12/19/24 23:42 | n/a | Summa Cleaning Certification |
| JE2666-1 | 5W55763.D | 12/20/24 00:24 | n/a | (used for QC only; not part of job JE2488) |
| JE2666-1DUP | 5W55764.D | 12/20/24 01:06 | n/a | Duplicate |
| ZZZZZZ | 5W55765.D | 12/20/24 01:51 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55766.D | 12/20/24 02:38 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55767.D | 12/20/24 03:26 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55768.D | 12/20/24 04:13 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55769.D | 12/20/24 04:55 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55770.D | 12/20/24 05:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55771.D | 12/20/24 06:26 | n/a | (unrelated sample) |
| JE2488-1 | 5W55772.D | 12/20/24 07:15 | n/a | OA-1 |
| JE2488-2 | 5W55773.D | 12/20/24 08:03 | n/a | OA-2 |
| ZZZZZZ | 5W55774.D | 12/20/24 08:50 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W305 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W305-BFB | 7W07974.D | 08/18/24 21:06 | n/a | BFB Tune |
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | n/a | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | n/a | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | n/a | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | n/a | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | n/a | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | n/a | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | n/a | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | n/a | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | n/a | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 06:28 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W379 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W379-BFB | 7W10298.D | 11/06/24 08:30 | n/a | BFB Tune |
| V7W379-CC305 | 7W10299.D | 11/06/24 09:06 | n/a | Continuing cal 10 |
| V7W379-BS | 7W10300.D | 11/06/24 09:45 | n/a | Blank Spike |
| V7W379-BSD | 7W10301.D | 11/06/24 10:21 | n/a | Blank Spike Duplicate |
| V7W379-MB | 7W10303.D | 11/06/24 11:42 | n/a | Method Blank |
| JD98975-1 | 7W10304.D | 11/06/24 12:44 | n/a | (used for QC only; not part of job JE2488) |
| JD98975-1DUP | 7W10305.D | 11/06/24 13:27 | n/a | Duplicate |
| ZZZZZZ | 7W10306.D | 11/06/24 14:10 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10307.D | 11/06/24 14:56 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10308.D | 11/06/24 15:39 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10309.D | 11/06/24 16:22 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10310.D | 11/06/24 16:58 | n/a | (unrelated sample) |
| V7W379-SCC | 7W10311.D | 11/06/24 17:39 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10312.D | 11/06/24 18:20 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10313.D | 11/06/24 19:01 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10314.D | 11/06/24 19:42 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10315.D | 11/06/24 20:23 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10316.D | 11/06/24 21:04 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10317.D | 11/06/24 21:45 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10318.D | 11/06/24 22:26 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10319.D | 11/06/24 23:07 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10321.D | 11/07/24 00:24 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10322.D | 11/07/24 01:00 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10323.D | 11/07/24 01:35 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10324.D | 11/07/24 02:11 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10325.D | 11/07/24 02:47 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10326.D | 11/07/24 03:28 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10327.D | 11/07/24 04:10 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10328.D | 11/07/24 04:51 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10329.D | 11/07/24 05:32 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10330.D | 11/07/24 06:14 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10331.D | 11/07/24 06:55 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10332.D | 11/07/24 07:37 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10333.D | 11/07/24 08:18 | n/a | Summa Cleaning Certification |

# Run Sequence Report



**Job Number:** JE2488
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W387 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W387-BFB | 7W10575.D | 11/18/24 08:59 | n/a | BFB Tune |
| V7W387-CC305 | 7W10576.D | 11/18/24 09:35 | n/a | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 10:11 | n/a | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 10:46 | n/a | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 12:04 | n/a | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 13:59 | n/a | (used for QC only; not part of job JE2488) |
| JD99820-1DUP | 7W10583.D | 11/18/24 14:40 | n/a | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 15:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 16:44 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 17:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 18:07 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 19:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 20:11 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 20:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 21:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 22:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 22:41 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 23:53 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 00:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 01:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 02:18 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 02:55 | n/a | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 03:31 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 04:07 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 04:48 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10606.D | 11/19/24 05:29 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 06:10 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 06:51 | n/a | (unrelated sample) |

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55772.D
Acq On : 20 Dec 2024 7:15 am
Operator : thomash
Sample : je2488-1 Inst : GCMS5W
Misc : MS88104,V5W2135,500,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 17:31:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

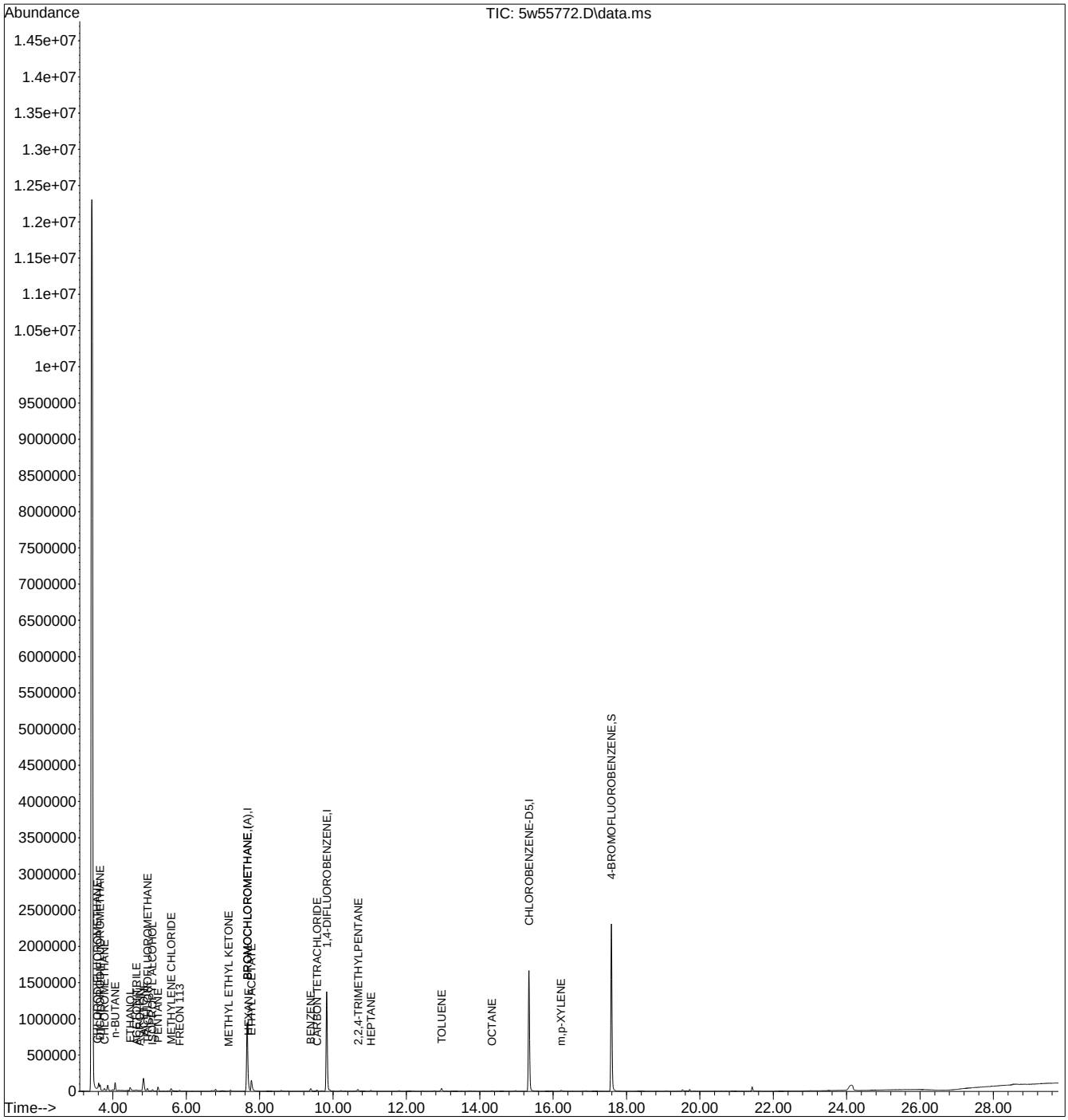
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 246841 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1192646 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 654848 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 246841 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 809538 | 11.05 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 3522 | 0.3719 | PPBV | 73 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 64102 | 0.7106 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 7844 | 0.6743 | PPBV # | 82 |
| 13) n-BUTANE | 4.060 | 43 | 94763 | 1.7970 | PPBV | 97 |
| 17) ACETONITRILE | 4.635 | 41 | 13922 | 0.4571 | PPBV | 92 |
| 18) ACROLEIN | 4.726 | 56 | 1758 | 0.1322 | PPBV # | 44 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 29823 | 0.3578 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 27877 | 0.5278 | PPBV | 86 |
| 23) ACETONE | 4.843 | 58 | 47275 | 2.3746 | PPBV # | 55 |
| 24) PENTANE | 5.228 | 42 | 25785 | 0.9827 | PPBV | 95 |
| 28) ETHANOL | 4.469 | 45 | 56324 | 2.9097 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 15622 | 0.6034 | PPBV | 90 |
| 33) FREON 113 | 5.815 | 151 | 4550 | 0.1059 | PPBV | 91 |
| 38) HEXANE | 7.693 | 57 | 20399 | 0.5274 | PPBV | 88 |
| 41) METHYL ETHYL KETONE | 7.149 | 72 | 1308 | 0.1222 | PPBV # | 75 |
| 44) ETHYL ACETATE | 7.773 | 61 | 30164 | 3.8189 | PPBV # | 74 |
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 7223 | 0.1062 | PPBV | 99 |
| 52) BENZENE | 9.394 | 78 | 38596 | 0.4465 | PPBV | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 22034 | 0.1678 | PPBV | 82 |
| 62) HEPTANE | 11.034 | 43 | 5388 | 0.1175 | PPBV | 92 |
| 66) TOLUENE | 12.961 | 92 | 20221 | 0.3344 | PPBV | 95 |
| 76) OCTANE | 14.331 | 43 | 6452 | 0.1122 | PPBV | 60 |
| 80) m,p-XYLENE | 16.209 | 106 | 6361 | 0.1389 | PPBV | 92 |

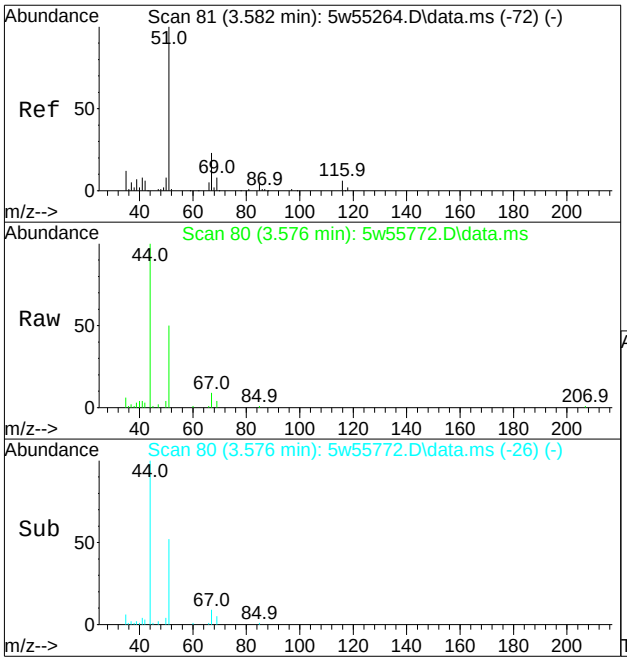
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55772.D
Acq On : 20 Dec 2024 7:15 am
Operator : thomash
Sample : je2488-1 Inst : GCMS5W
Misc : MS88104,V5W2135,500,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 20 17:31:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

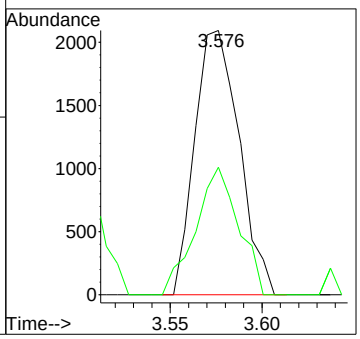


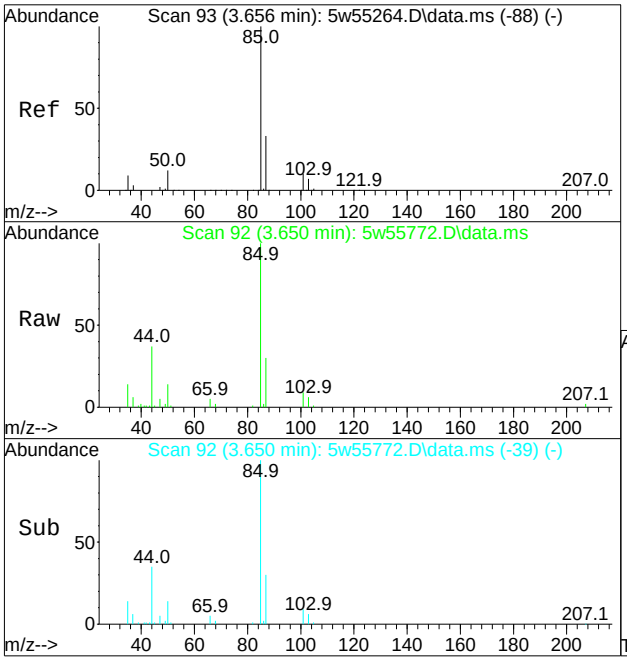



#4
CHLORODIFLUOROMETHANE
Concen: 0.3719 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 67 Resp: 3522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 48.3 | 2.9 | 62.9 |

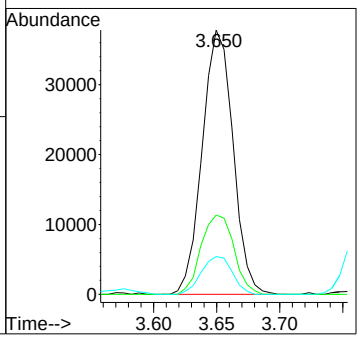


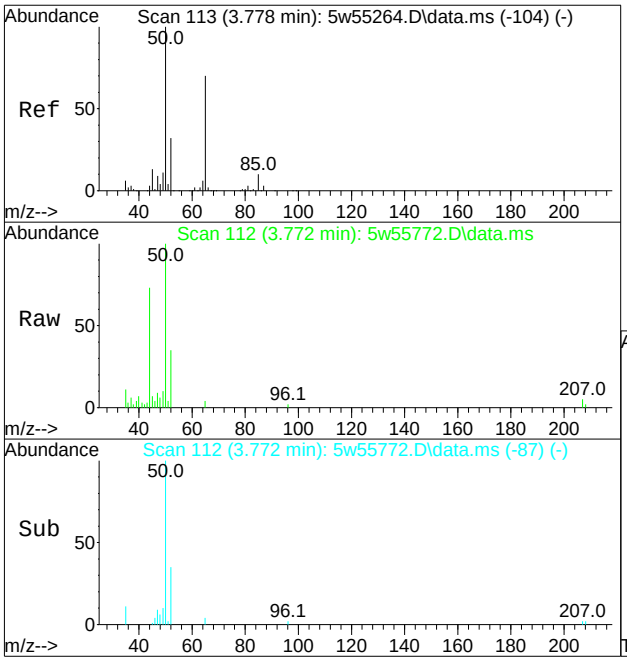




#6
DICHLORODIFLUOROMETHANE
Concen: 0.7106 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 85 Resp: 64102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.0 | 2.6 | 62.6 |
| 50 | 14.4 | 0.0 | 43.0 |

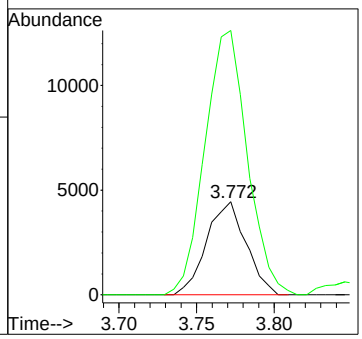


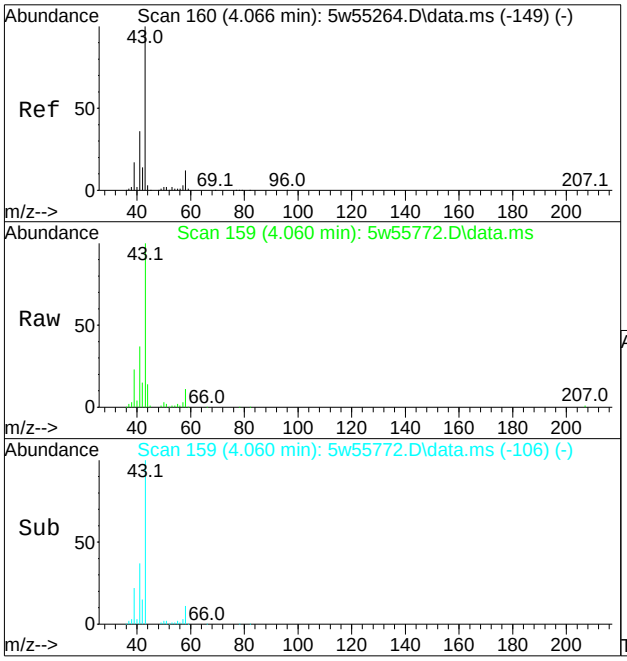



#10
CHLOROMETHANE
Concen: 0.6743 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 52 Resp: 7844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 281.5 | 287.9 | 347.9# |

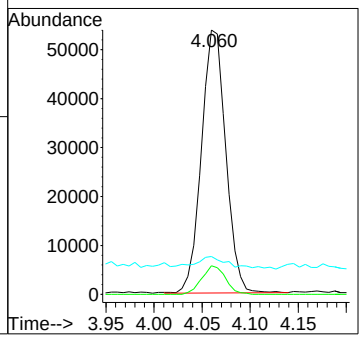


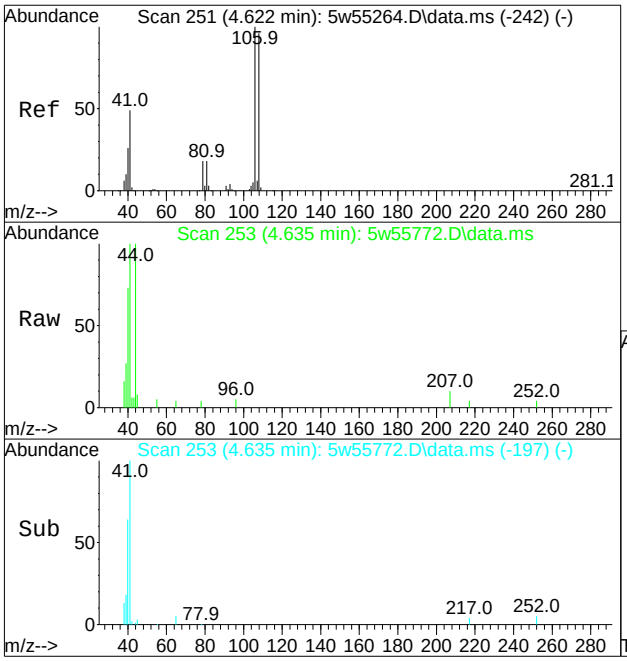




#13
n-BUTANE
Concen: 1.7970 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 43 Resp: 94763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.6 | 0.0 | 41.6 |
| 44 | 5.9 | 0.0 | 34.7 |

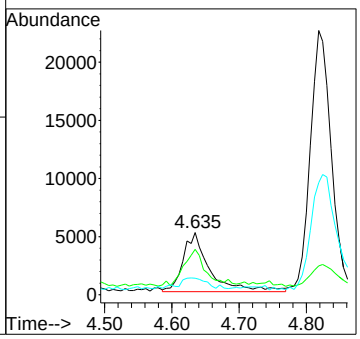


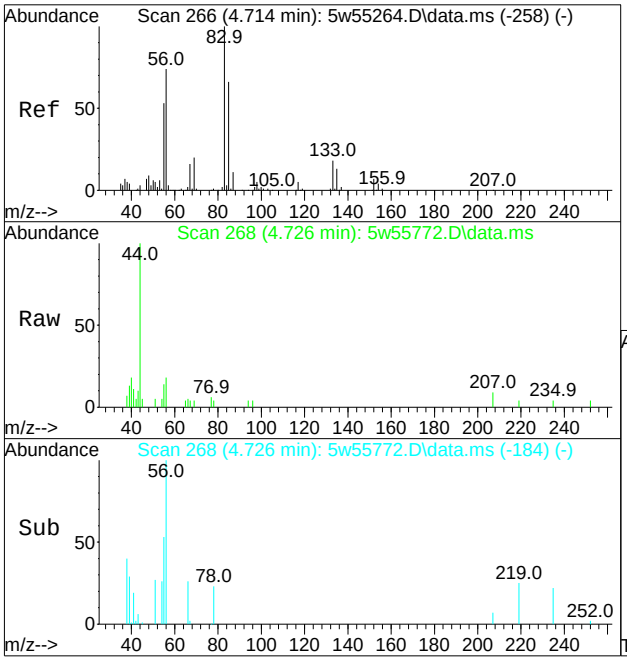



#17
ACETONITRILE
Concen: 0.4571 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 41 Resp: 13922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 59.7 | 38.4 | 71.4 |
| 39 | 24.6 | 13.7 | 25.5 |

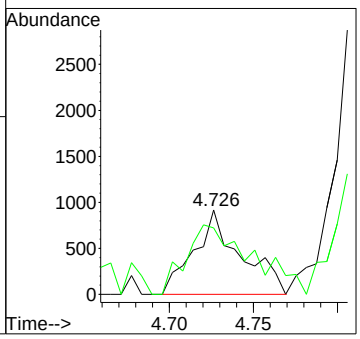


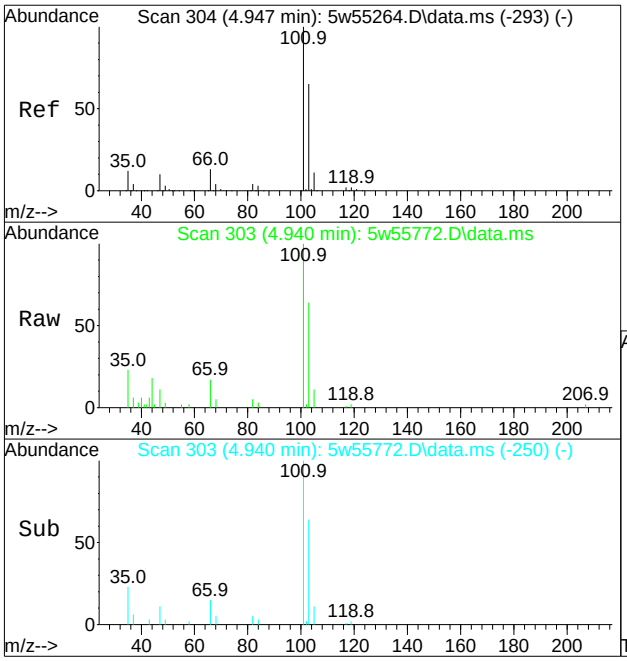




#18
ACROLEIN
Concen: 0.1322 PPBV
RT: 4.726 min Scan# 268
Delta R.T. 0.012 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 56 Resp: 1758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 117.4 | 49.8 | 92.6# |

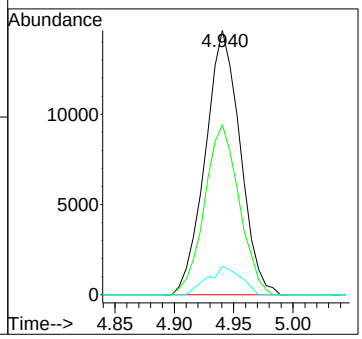


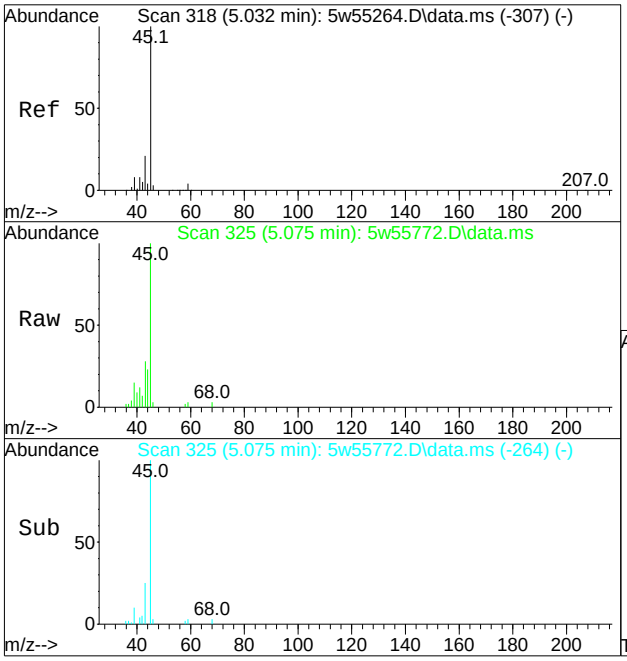



#21
TRICHLOROFLUOROMETHANE
Concen: 0.3578 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion:101 Resp: 29823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 34.7 | 94.7 |
| 105 | 10.2 | 0.0 | 40.5 |

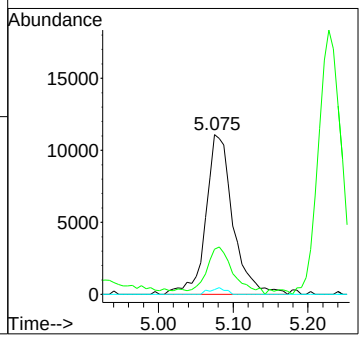


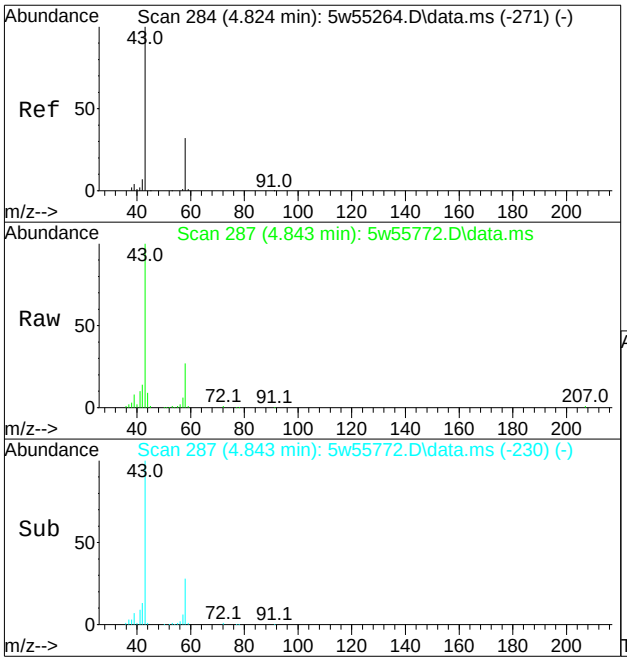




#22
ISOPROPYL ALCOHOL
Concen: 0.5278 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 45 Resp: 27877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 28.2 | 0.0 | 50.8 |
| 59 | 3.1 | 0.0 | 33.8 |

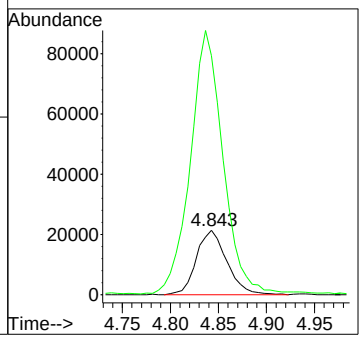


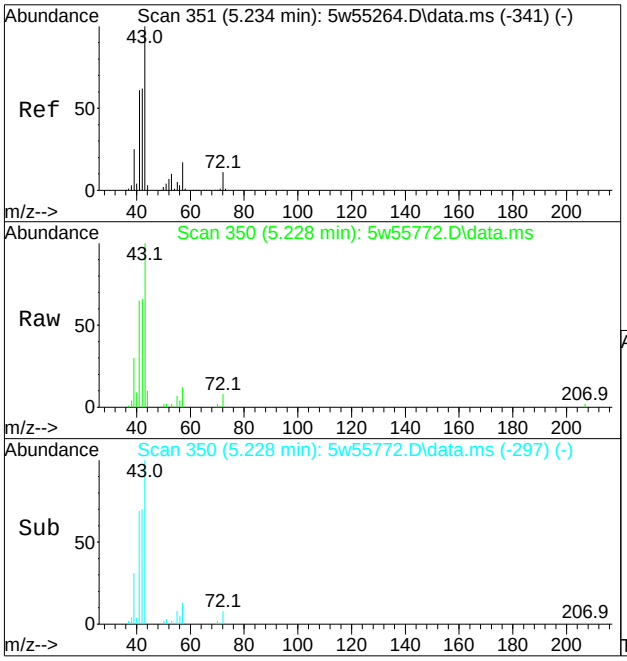



#23
ACETONE
Concen: 2.3746 PPBV
RT: 4.843 min Scan# 287
Delta R.T. 0.018 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 58 Resp: 47275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 439.4 | 312.3 | 372.3# |

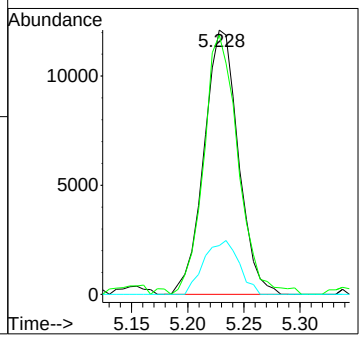


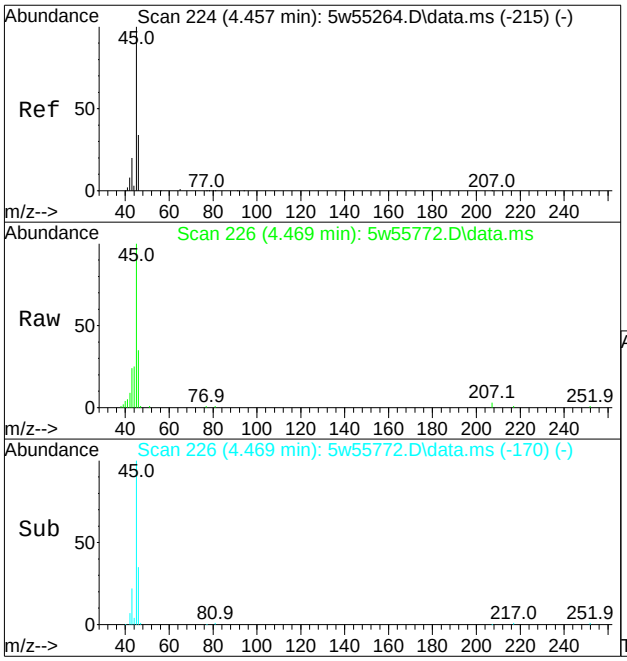




#24
PENTANE
Concen: 0.9827 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 42 Resp: 25785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 98.2 | 64.4 | 124.4 |
| 57 | 20.7 | 0.0 | 55.0 |

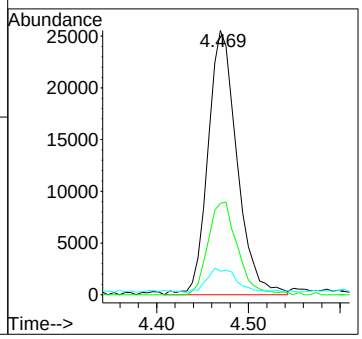


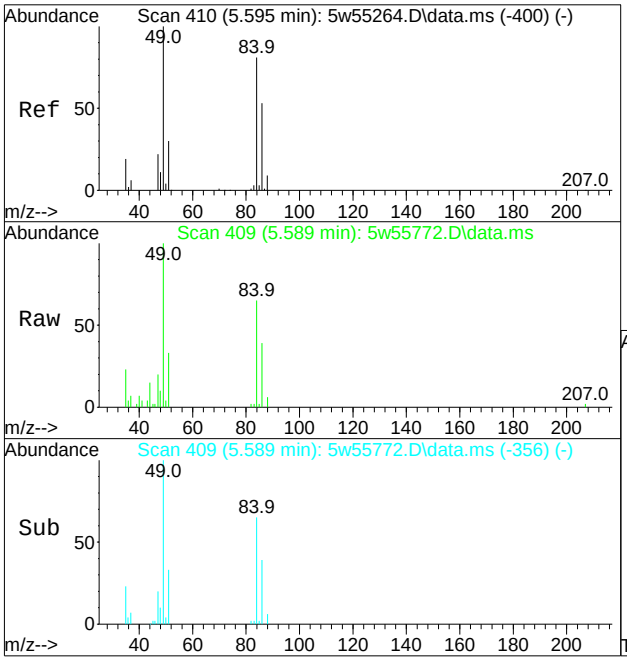



#28
ETHANOL
Concen: 2.9097 PPBV
RT: 4.469 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 45 Resp: 56324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.7 | 4.5 | 64.5 |
| 42 | 9.8 | 0.0 | 38.6 |

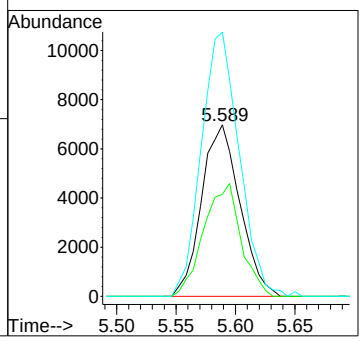


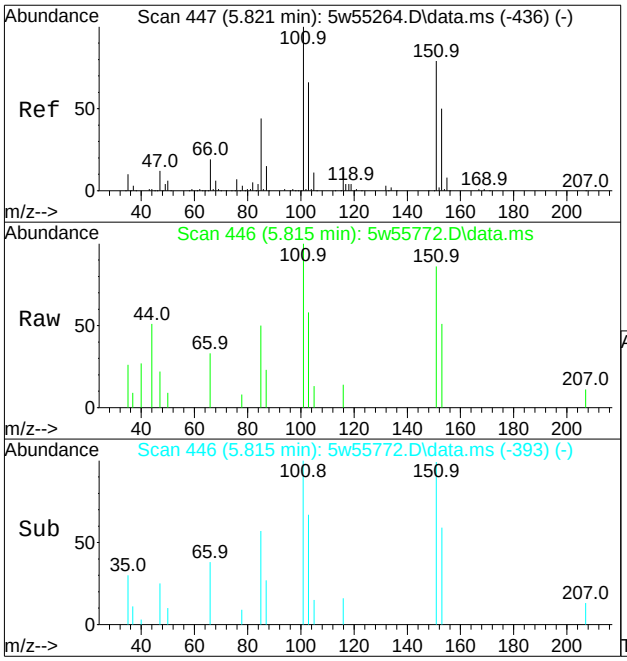




#31
METHYLENE CHLORIDE
Concen: 0.6034 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 84 Resp: 15622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.8 | 34.0 | 94.0 |
| 49 | 153.0 | 105.8 | 165.8 |

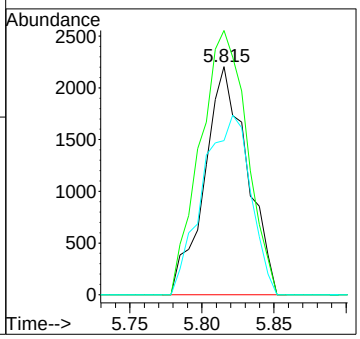


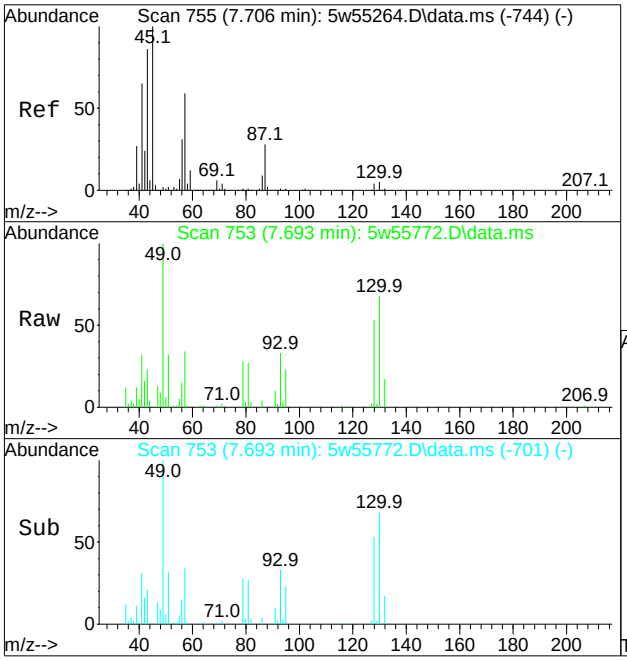



#33
FREON 113
Concen: 0.1059 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion:151 Resp: 4550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 127.1 | 112.2 | 172.2 |
| 103 | 88.4 | 62.0 | 122.0 |

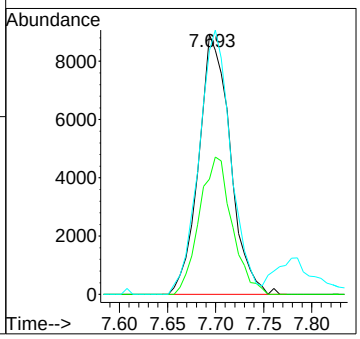


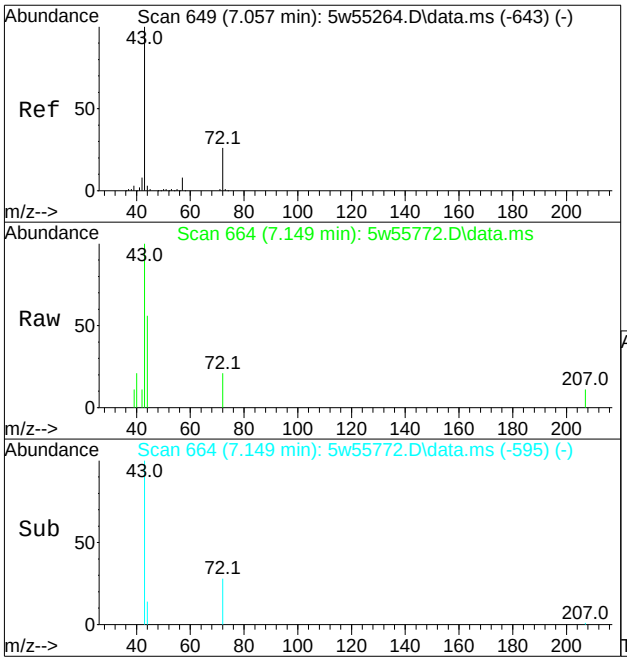




#38
HEXANE
Concen: 0.5274 PPBV
RT: 7.693 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 57 Resp: 20399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 54.7 | 24.2 | 84.2 |
| 41 | 103.1 | 92.1 | 152.1 |

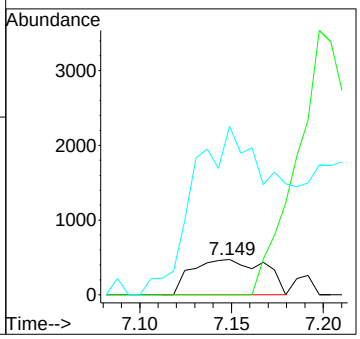


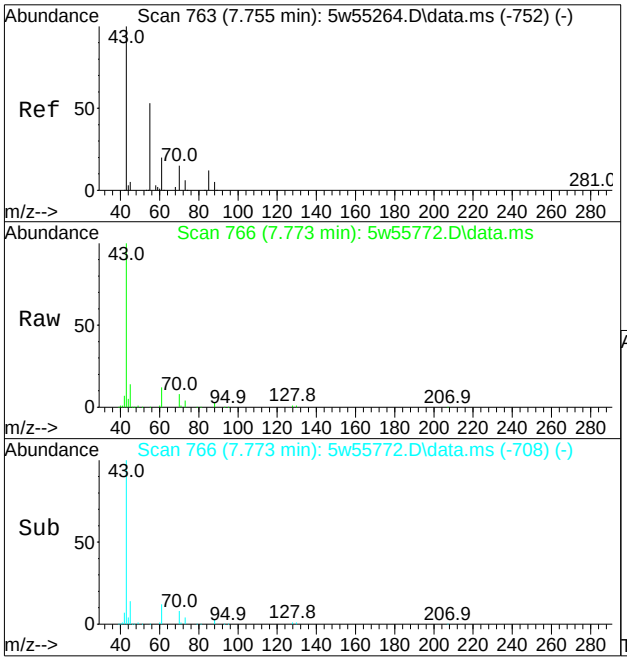



#41
METHYL ETHYL KETONE
Concen: 0.1222 PPBV
RT: 7.149 min Scan# 664
Delta R.T. 0.092 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 72 Resp: 1308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 474.9 | 390.6 | 450.6# |

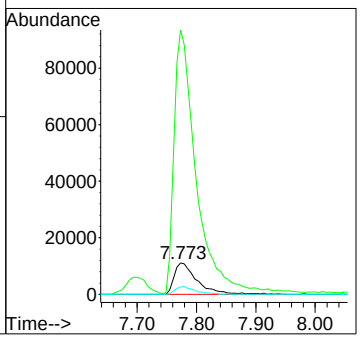


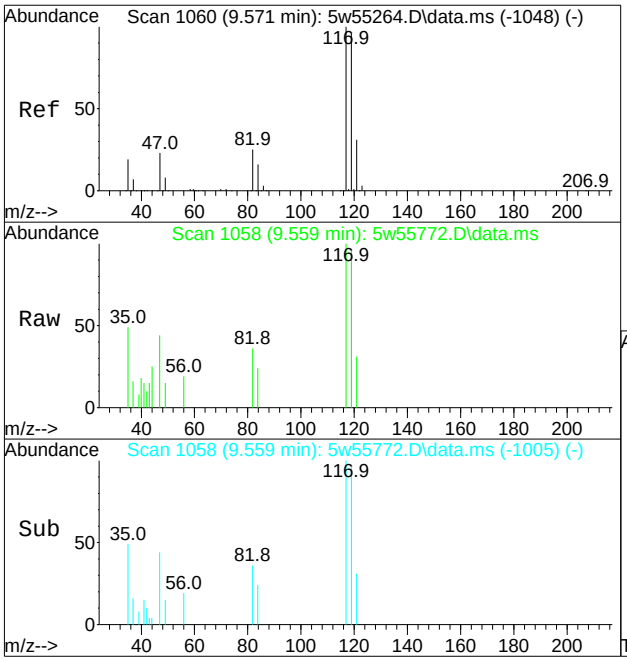




#44
ETHYL ACETATE
Concen: 3.8189 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 61 Resp: 30164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 820.6 | 0.0 | 30.0# |
| 88 | 21.5 | 7.3 | 67.3 |

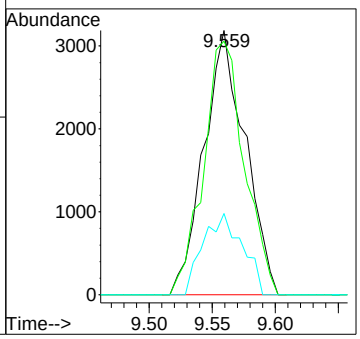


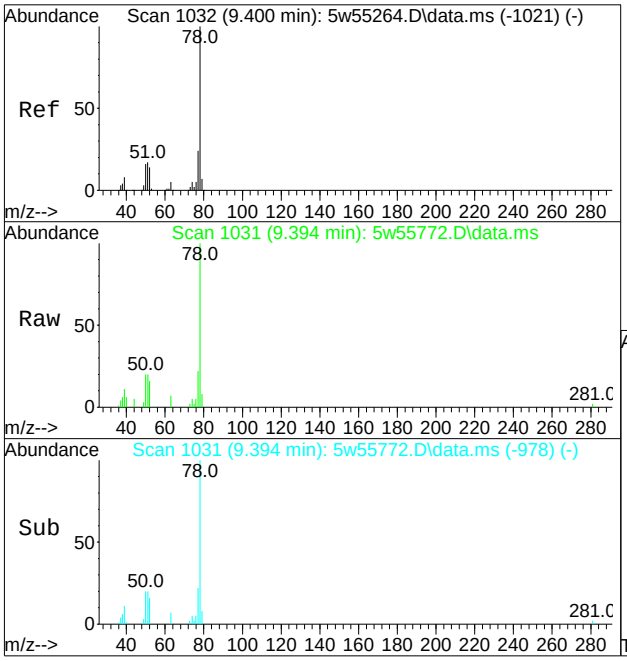



#49
CARBON TETRACHLORIDE
Concen: 0.1062 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion:117 Resp: 7223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 65.9 | 125.9 |
| 121 | 29.3 | 0.7 | 60.7 |

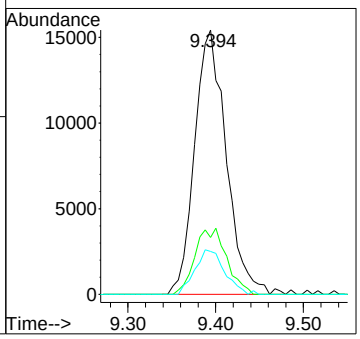


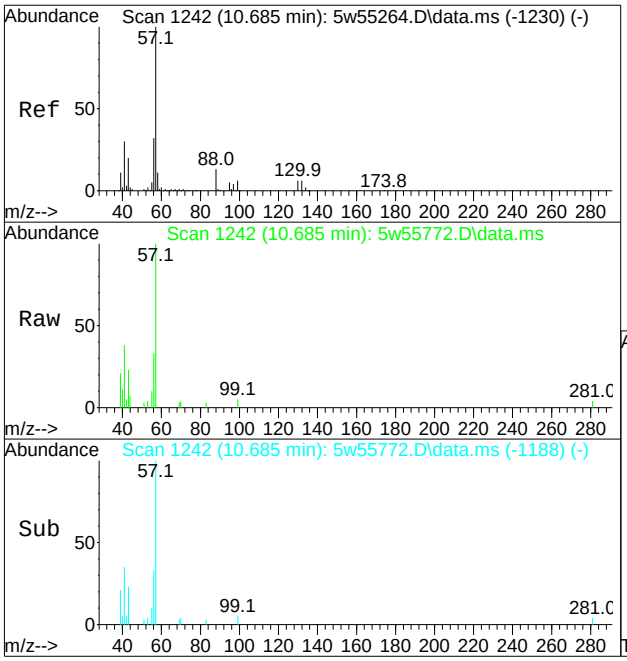




#52
BENZENE
Concen: 0.4465 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 78 Resp: 38596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 0.0 | 54.0 |
| 52 | 15.9 | 0.0 | 45.6 |

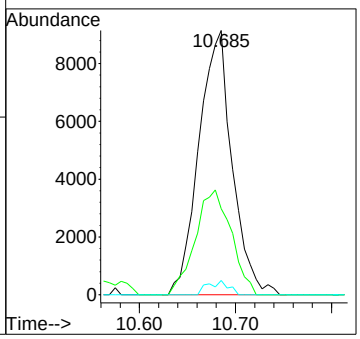


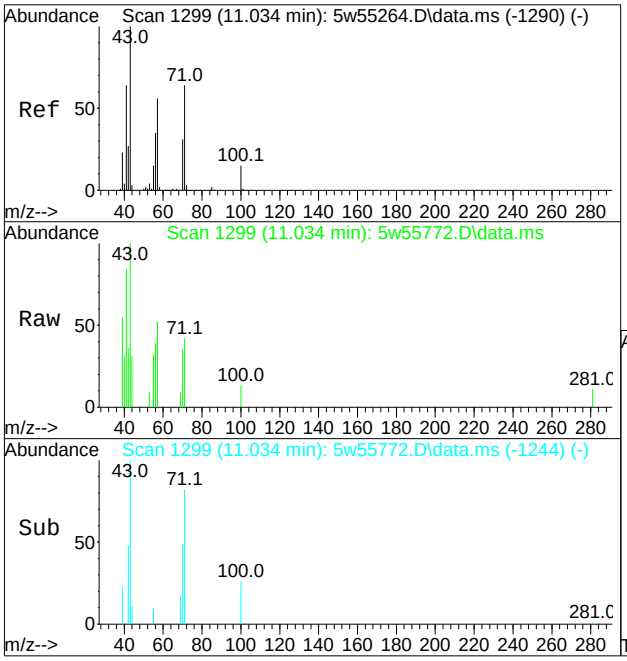



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1678 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. -0.000 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 57 Resp: 22034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 42.8 | 2.2 | 62.2 |
| 99 | 3.3 | 0.0 | 37.6 |

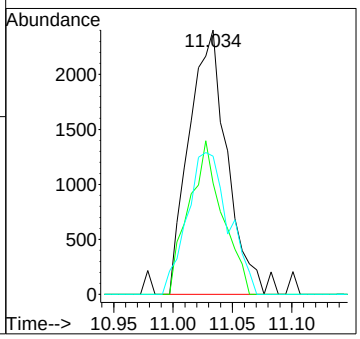


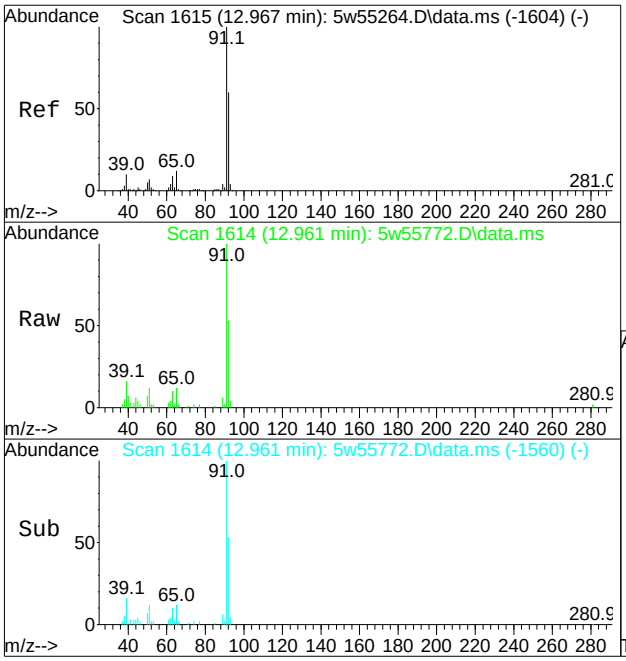




#62
HEPTANE
Concen: 0.1175 PPBV
RT: 11.034 min Scan# 1299
Delta R.T. 0.006 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 43 Resp: 5388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 50.9 | 27.2 | 87.2 |
| 57 | 58.2 | 22.5 | 82.5 |

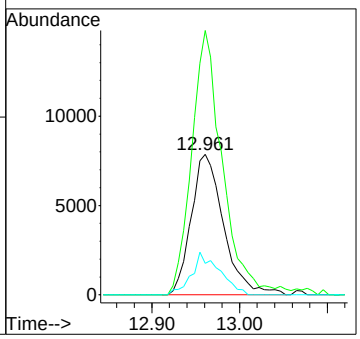


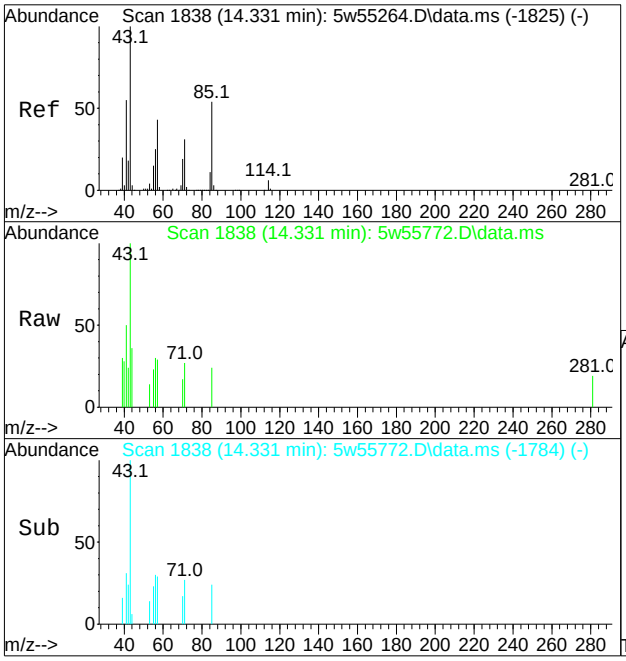



#66
TOLUENE
Concen: 0.3344 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 92 Resp: 20221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 180.5 | 143.4 | 203.4 |
| 65 | 26.0 | 0.0 | 53.8 |

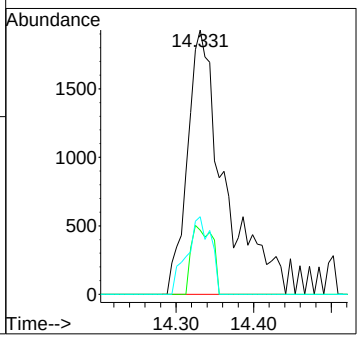


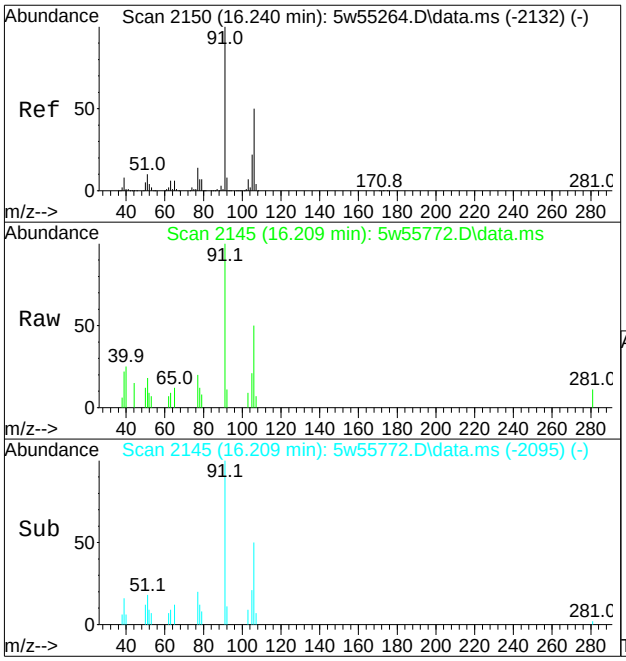




#76
OCTANE
Concen: 0.1122 PPBV
RT: 14.331 min Scan# 1838
Delta R.T. -0.000 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion: 43 Resp: 6452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 14.7 | 13.7 | 73.7 |
| 57 | 18.9 | 9.9 | 69.9 |

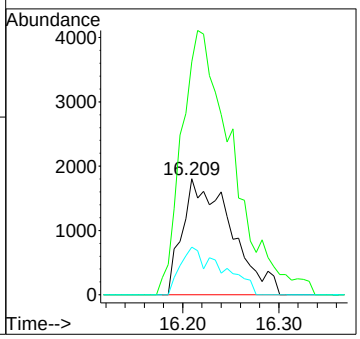





#80
m,p-XYLENE
Concen: 0.1389 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55772.D
Acq: 20 Dec 2024 7:15 am

Tgt Ion:106 Resp: 6361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.6 | 181.2 | 241.2 |
| 77 | 41.1 | 0.1 | 60.1 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:05

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\20 Dec 2024\geralyng\V5w2135\
Data File : 5w55773.D
Acq On : 20 Dec 2024 8:03 am
Operator : thomash
Sample : je2488-2
Misc : MS88104,V5W2135,500,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 20:00:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

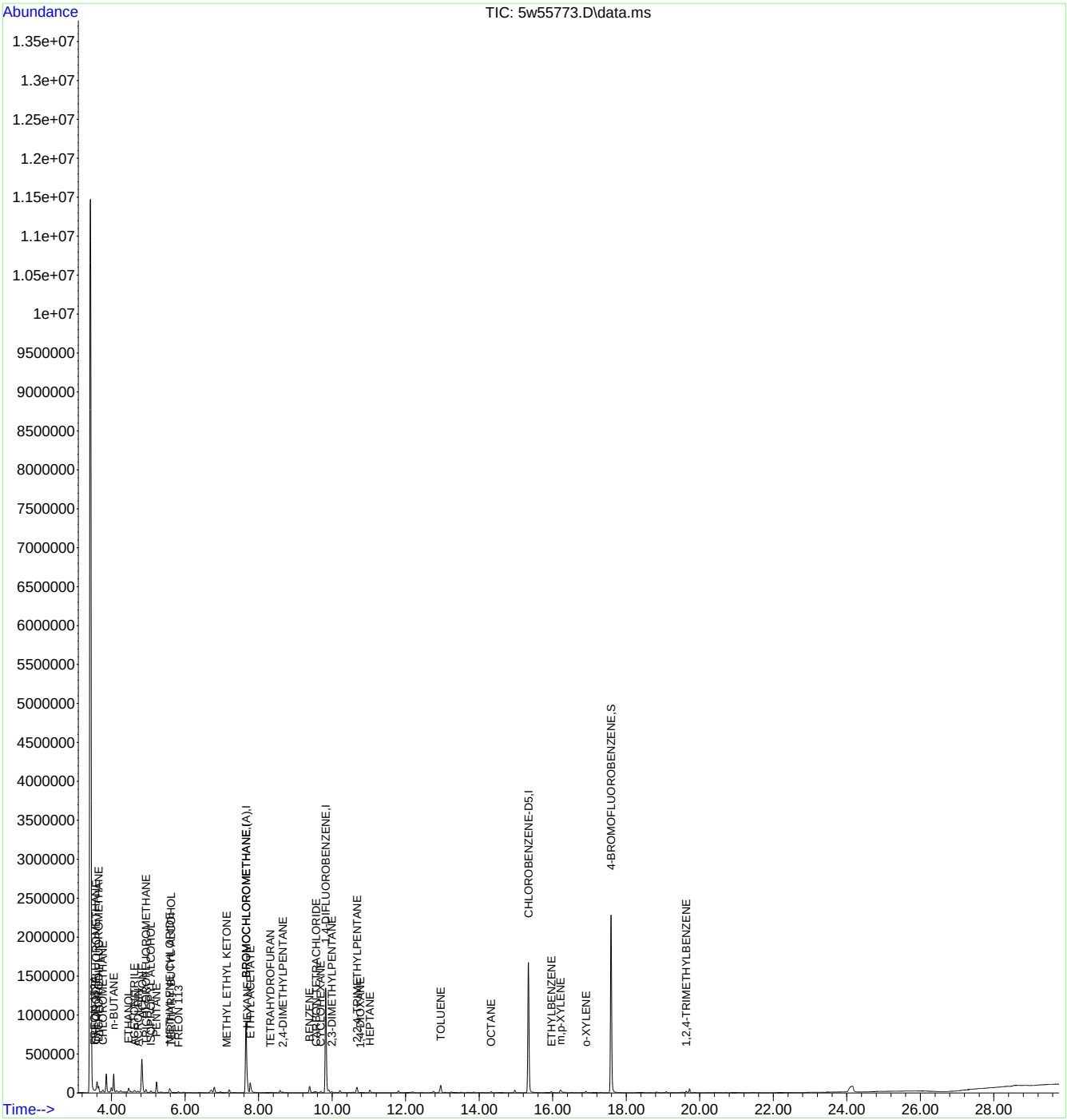
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 232490 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1140245 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 659764 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 232490 | 10.00 | PPBV | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 801955 | 10.86 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 5174 | 0.30 | PPBV # | 27 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 3485 | 0.39 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 62072 | 0.73 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.766 | 52 | 8470 | 0.77 | PPBV | 89 |
| 13) n-BUTANE | 4.060 | 43 | 197118 | 3.97 | PPBV | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 31522m | 1.10 | PPBV | |
| 18) ACROLEIN | 4.714 | 56 | 7363 | 0.59 | PPBV | 85 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 31066 | 0.40 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 30756 | 0.62 | PPBV | 93 |
| 23) ACETONE | 4.837 | 58 | 112458 | 6.00 | PPBV | 100 |
| 24) PENTANE | 5.228 | 42 | 62220 | 2.52 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 64159 | 3.52 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 22394 | 0.92 | PPBV | 90 |
| 33) FREON 113 | 5.809 | 151 | 3934 | 0.10 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.626 | 59 | 5029 | 0.11 | PPBV # | 1 |
| 37) TETRAHYDROFURAN | 8.324 | 72 | 1619 | 0.16 | PPBV # | 32 |
| 38) HEXANE | 7.694 | 57 | 47476 | 1.30 | PPBV | 87 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 2431m | 0.24 | PPBV | |
| 44) ETHYL ACETATE | 7.773 | 61 | 24420 | 3.28 | PPBV # | 71 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 4471 | 0.11 | PPBV | 84 |
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 6933 | 0.11 | PPBV | 98 |
| 52) BENZENE | 9.388 | 78 | 87595 | 1.06 | PPBV | 100 |
| 53) CYCLOHEXANE | 9.694 | 84 | 6554 | 0.21 | PPBV # | 77 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 2225 | 0.13 | PPBV # | 56 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 62731 | 0.50 | PPBV | 85 |
| 61) 1,4-DIOXANE | 10.771 | 88 | 3910 | 0.20 | PPBV # | 1 |
| 62) HEPTANE | 11.028 | 43 | 15903 | 0.36 | PPBV | 89 |
| 66) TOLUENE | 12.955 | 92 | 46222 | 0.80 | PPBV | 96 |
| 76) OCTANE | 14.325 | 43 | 10339 | 0.18 | PPBV | 72 |
| 79) ETHYLBENZENE | 15.965 | 91 | 16514 | 0.14 | PPBV | 95 |
| 80) m,p-XYLENE | 16.215 | 106 | 17062 | 0.37 | PPBV | 90 |
| 81) o-XYLENE | 16.907 | 106 | 6609 | 0.15 | PPBV # | 80 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 12997 | 0.11 | PPBV # | 35 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

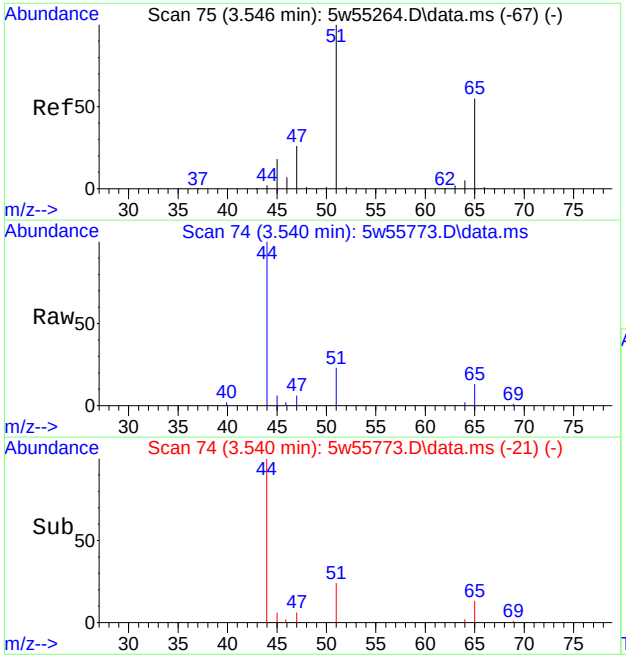
Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\20 Dec 2024\geralyng\V5w2135\
Data File : 5w55773.D
Acq On : 20 Dec 2024 8:03 am
Operator : thomash
Sample : je2488-2
Misc : MS88104,V5W2135,500,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 20:00:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



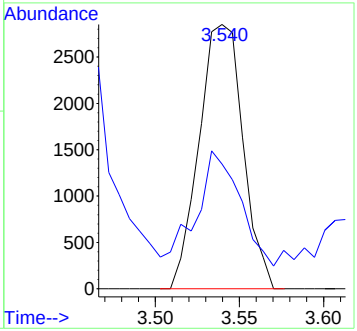

M5w2125.M Fri Dec 20 20:03:02 2024 Page: 2

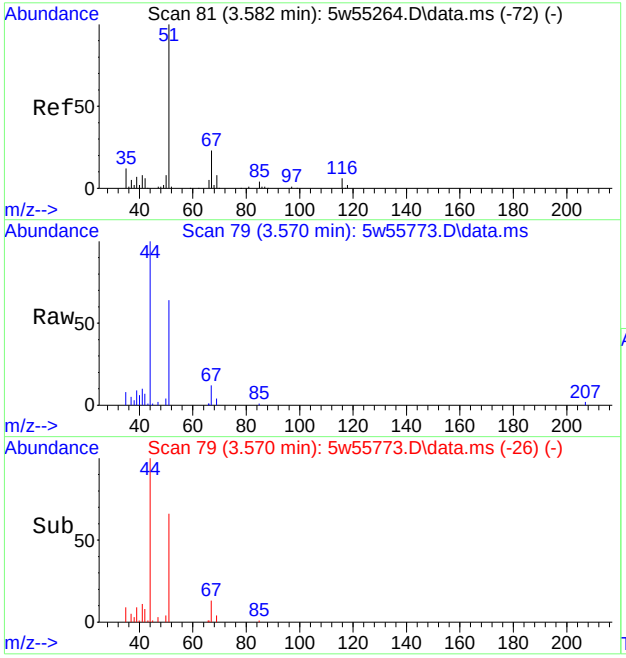



#3
FREON 152A
Concen: 0.30 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 65 Resp: 5174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 72.4 | 1.8 | 61.8# |

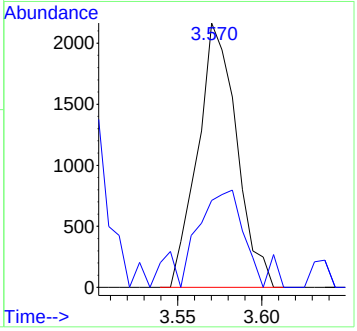


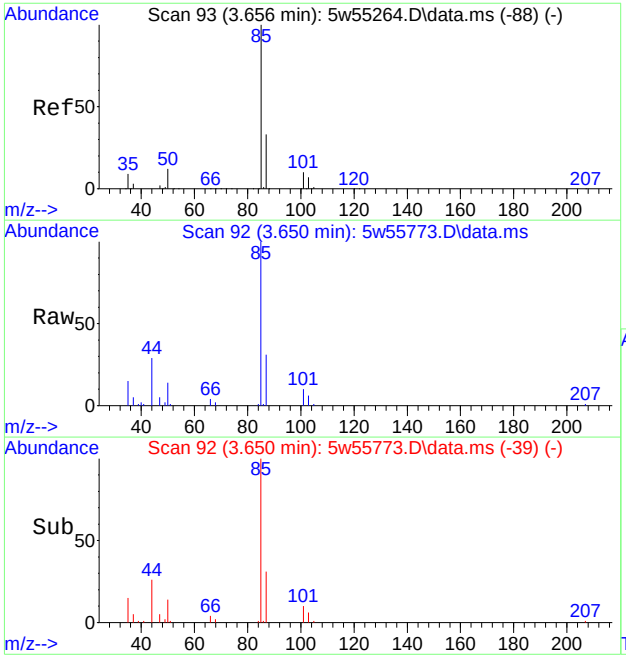




#4
CHLORODIFLUOROMETHANE
Concen: 0.39 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 67 Resp: 3485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.9 | 2.9 | 62.9 |

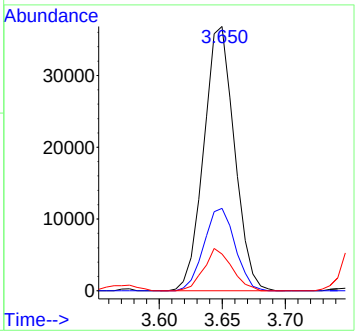


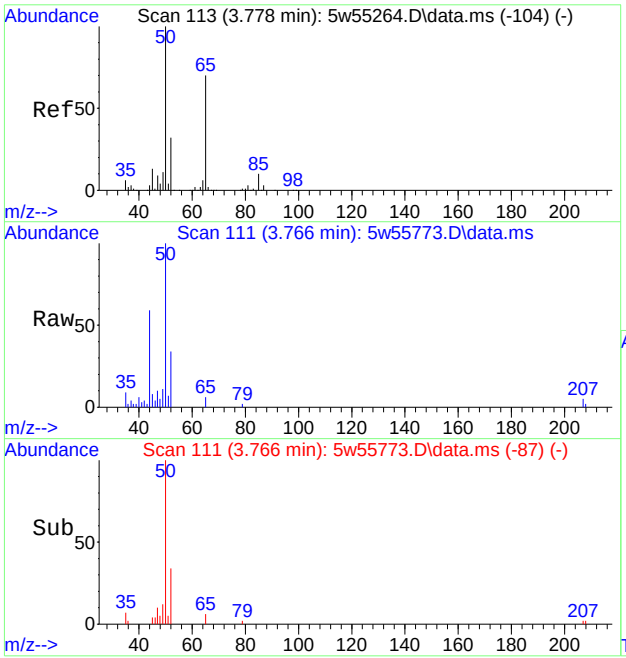



#6
DICHLORODIFLUOROMETHANE
Concen: 0.73 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 85 Resp: 62072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 2.6 | 62.6 |
| 50 | 14.7 | 0.0 | 43.0 |

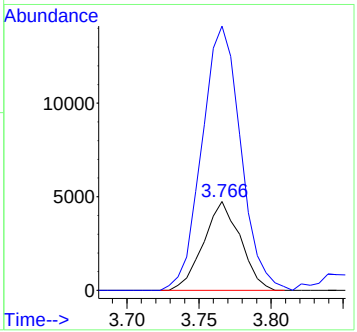


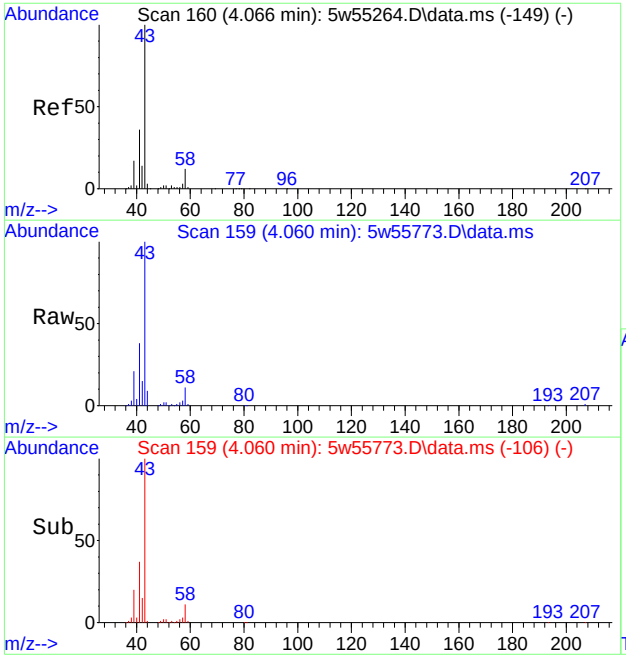




#10
CHLOROMETHANE
Concen: 0.77 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 52 Resp: 8470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 295.3 | 287.9 | 347.9 |

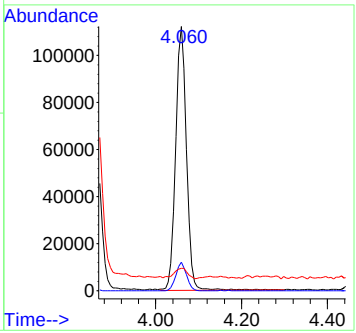


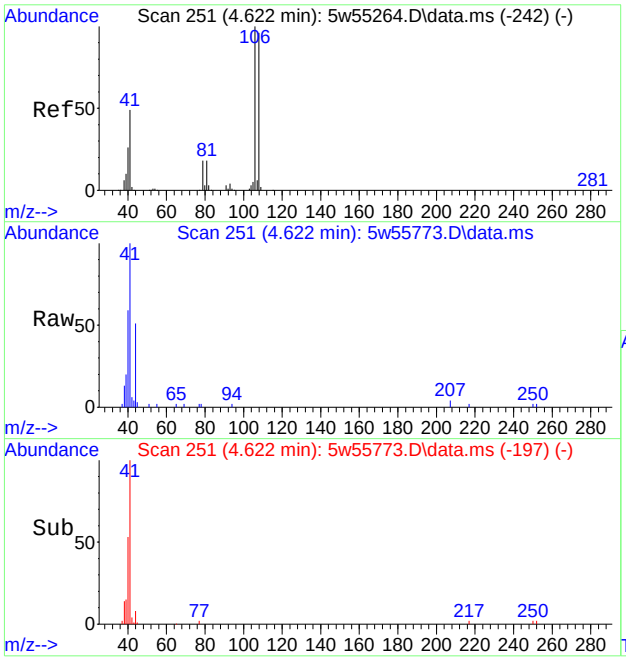



#13
n-BUTANE
Concen: 3.97 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 43 Resp: 197118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.6 | 0.0 | 41.6 |
| 44 | 4.3 | 0.0 | 34.7 |

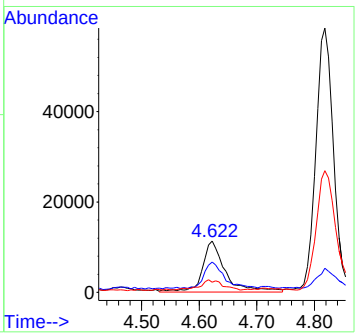


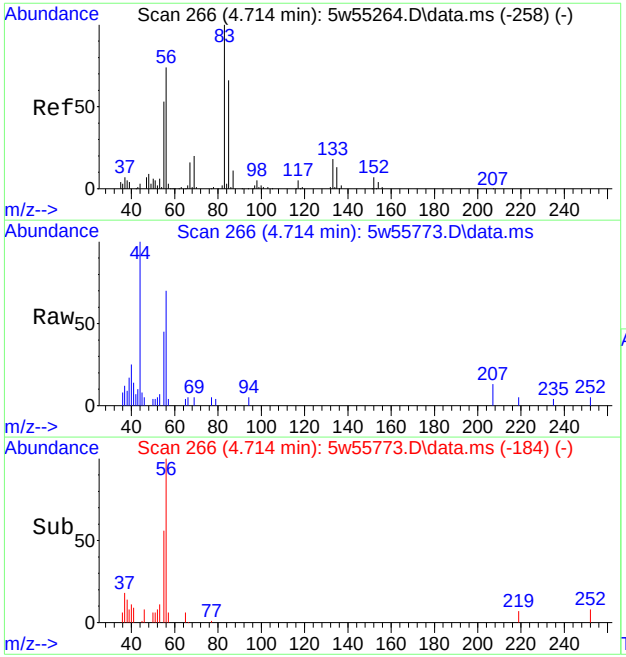




#17
ACETONITRILE
Concen: 1.10 PPBV m
RT: 4.622 min Scan# 251
Delta R.T. 0.000 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 41 Resp: 31522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 3.2 | 38.4 | 71.4# |
| 39 | 1.3 | 13.7 | 25.5# |

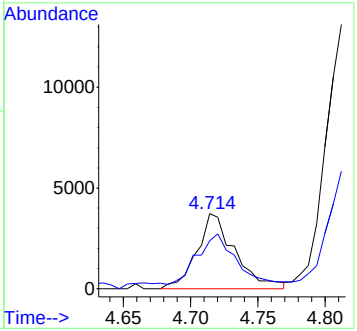


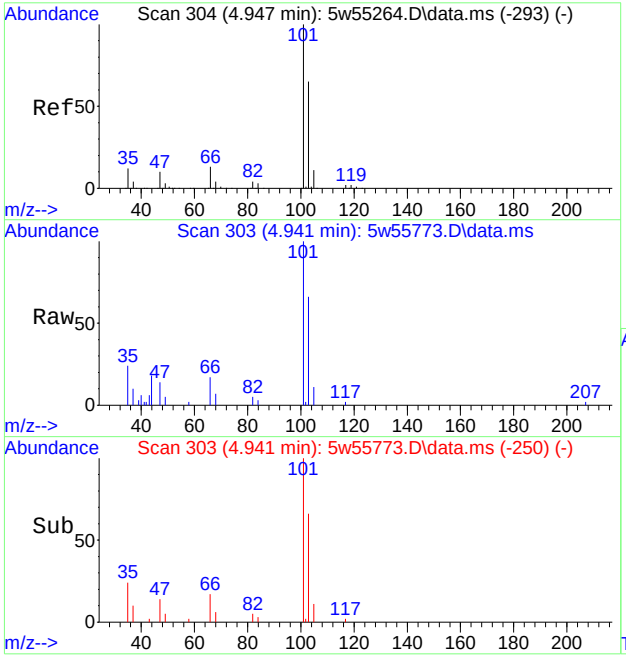



#18
ACROLEIN
Concen: 0.59 PPBV
RT: 4.714 min Scan# 266
Delta R.T. 0.000 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 56 Resp: 7363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 83.5 | 49.8 | 92.6 |

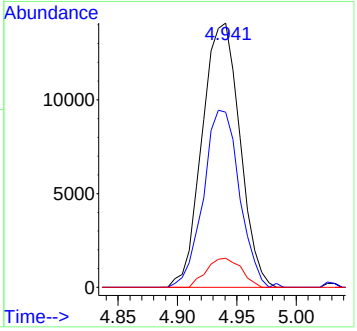


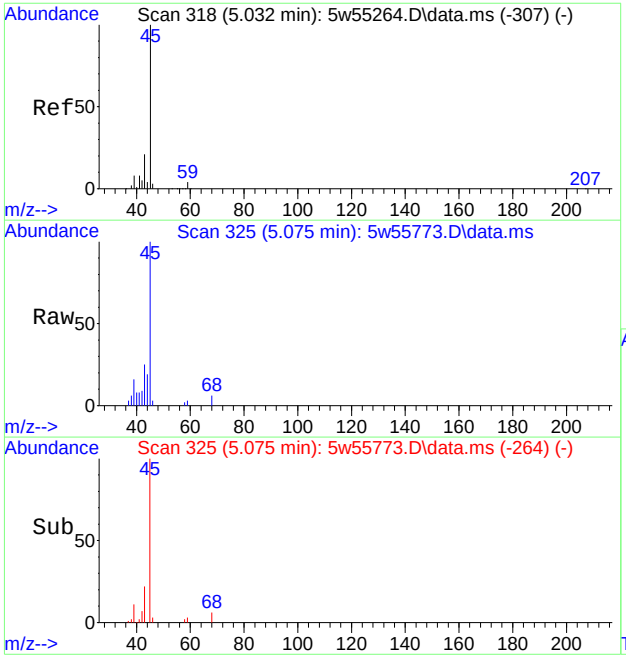




#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:101 Resp: 31066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 34.7 | 94.7 |
| 105 | 10.2 | 0.0 | 40.5 |

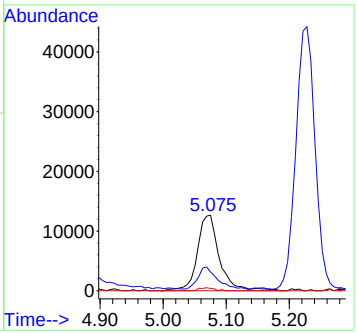


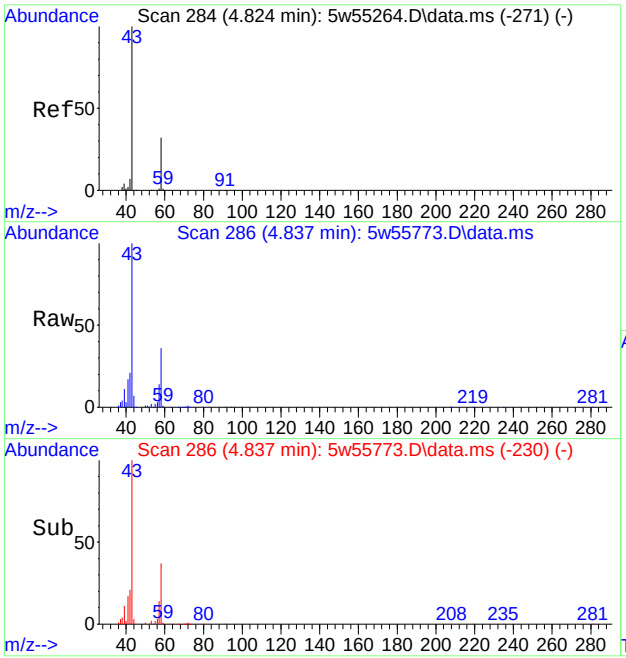



#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 45 Resp: 30756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 24.7 | 0.0 | 50.8 |
| 59 | 3.0 | 0.0 | 33.8 |

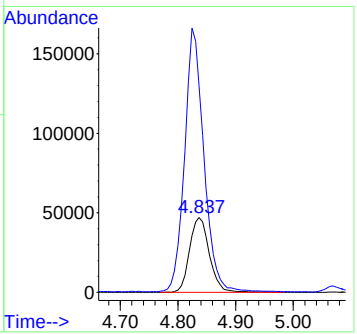


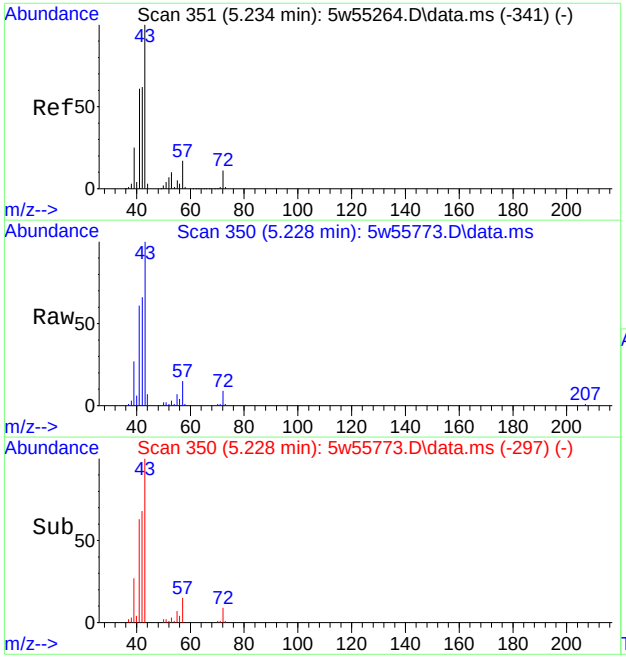




#23
ACETONE
Concen: 6.00 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 58 Resp: 112458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 343.3 | 312.3 | 372.3 |

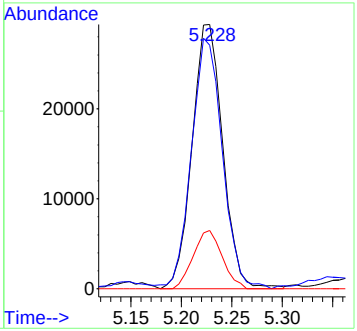


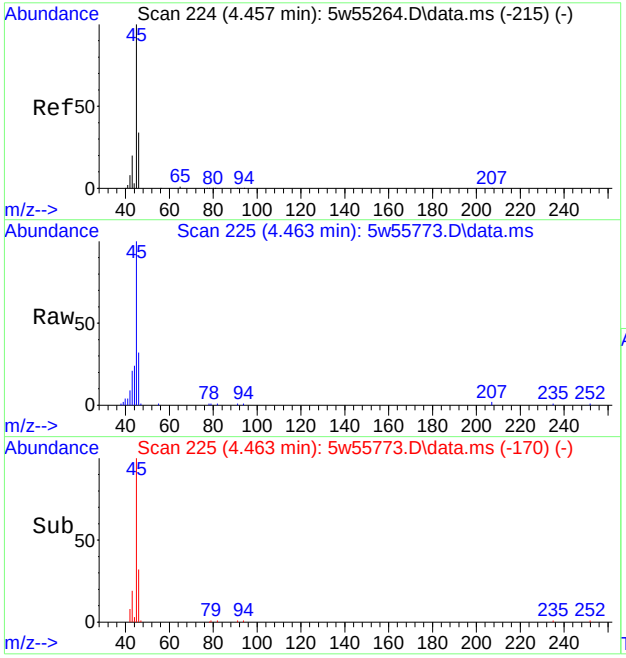



#24
PENTANE
Concen: 2.52 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 42 Resp: 62220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 95.6 | 64.4 | 124.4 |
| 57 | 20.8 | 0.0 | 55.0 |

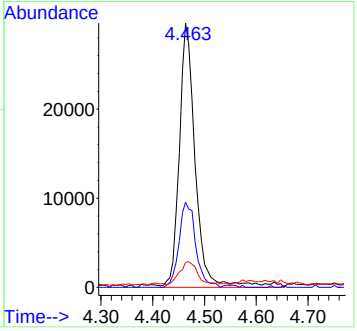


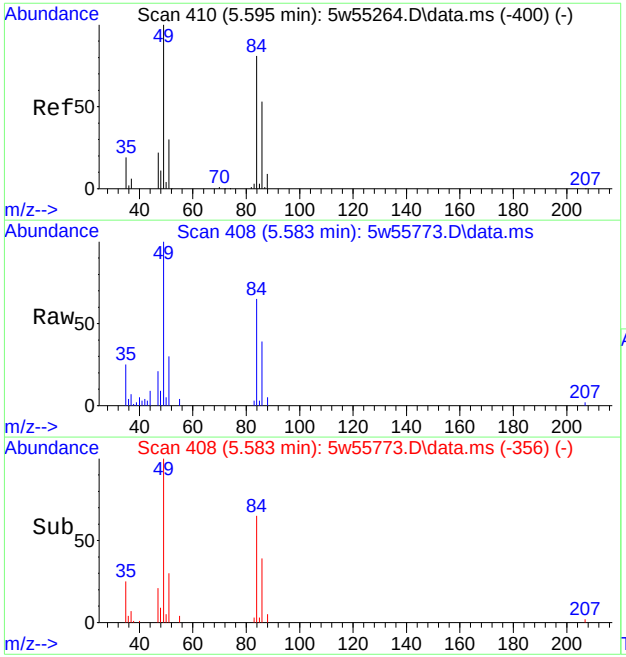




#28
ETHANOL
Concen: 3.52 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 45 Resp: 64159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 33.5 | 4.5 | 64.5 |
| 42 | 10.2 | 0.0 | 38.6 |

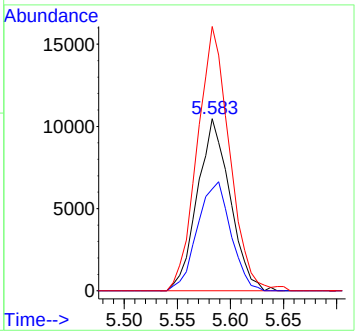


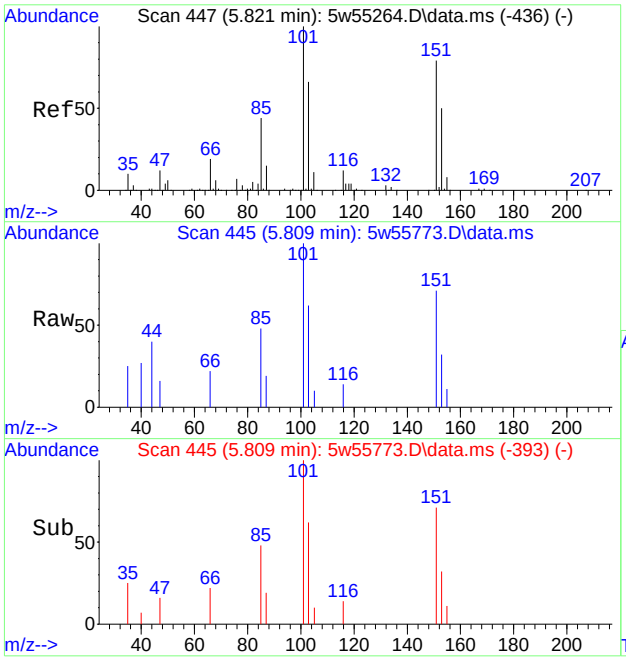



#31
METHYLENE CHLORIDE
Concen: 0.92 PPBV
RT: 5.583 min Scan# 408
Delta R.T. -0.012 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 84 Resp: 22394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.8 | 34.0 | 94.0 |
| 49 | 152.0 | 105.8 | 165.8 |

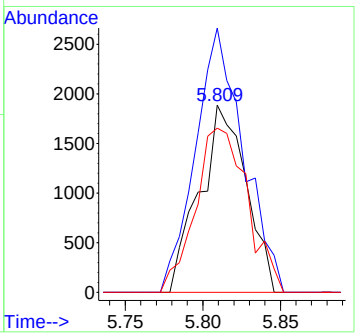


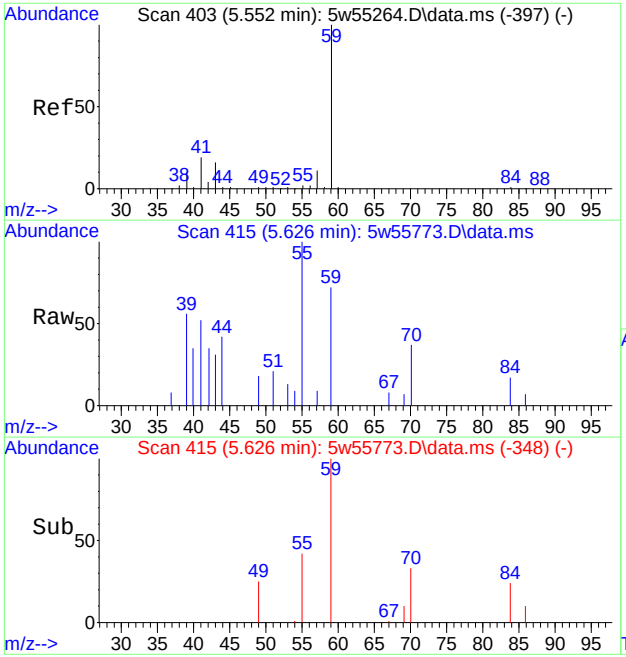




#33
FREON 113
Concen: 0.10 PPBV
RT: 5.809 min Scan# 445
Delta R.T. -0.012 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:151 Resp: 3934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 145.8 | 112.2 | 172.2 |
| 103 | 97.8 | 62.0 | 122.0 |

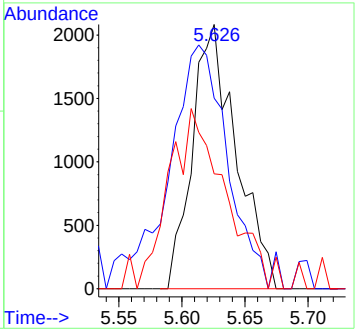


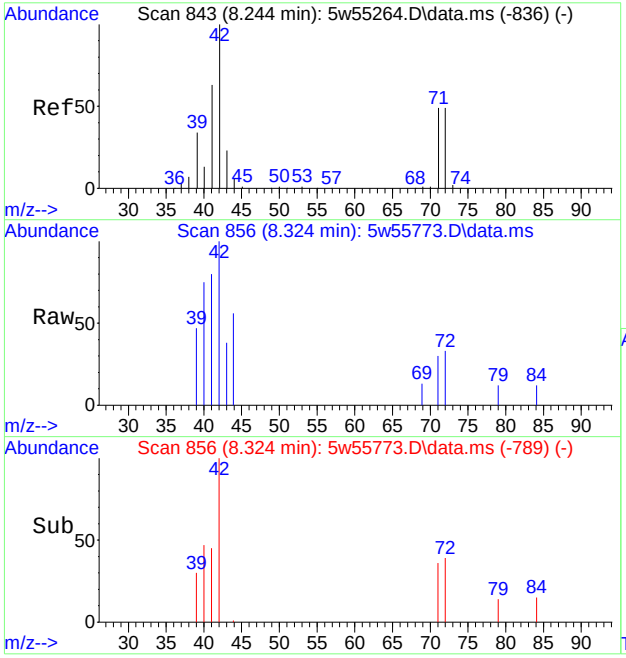



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.11 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 59 Resp: 5029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 124.0 | 0.0 | 53.1# |
| 43 | 88.0 | 0.0 | 47.1# |

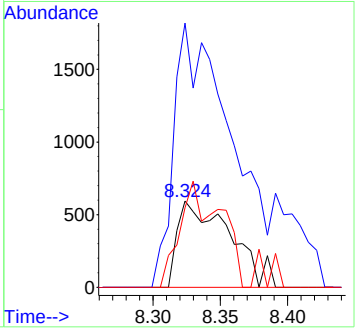


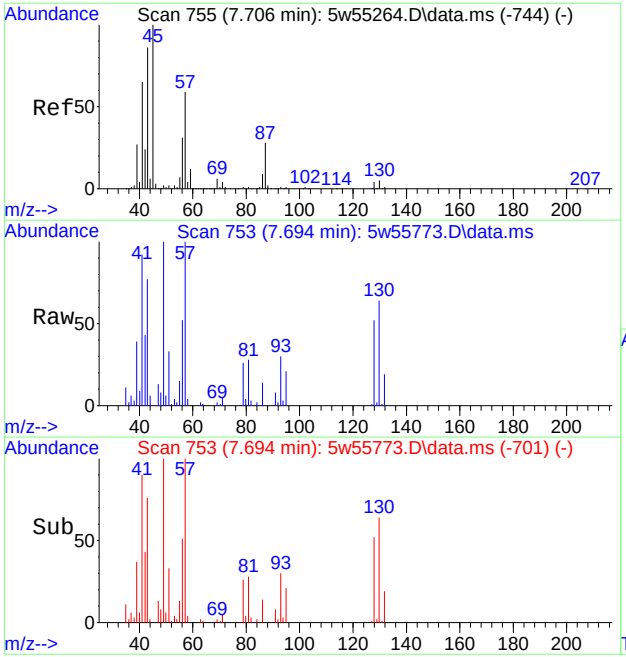




#37
TETRAHYDROFURAN
Concen: 0.16 PPBV
RT: 8.324 min Scan# 856
Delta R.T. 0.080 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 72 Resp: 1619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 42 | 392.3 | 203.7 | 263.7# |
| 71 | 94.9 | 68.1 | 128.1 |

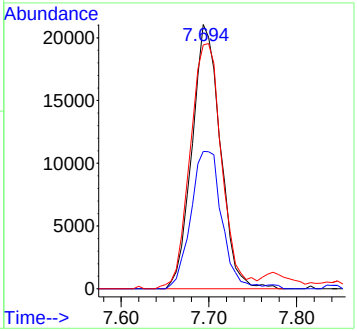


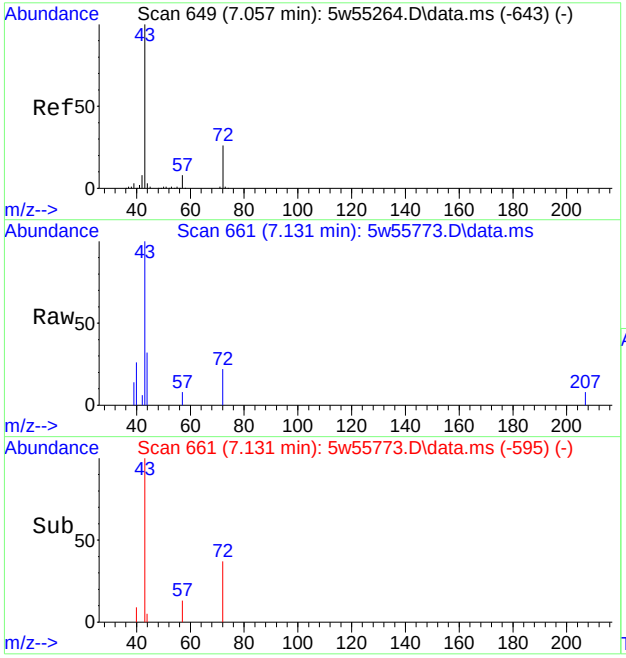



#38
HEXANE
Concen: 1.30 PPBV
RT: 7.694 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 57 Resp: 47476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.2 | 24.2 | 84.2 |
| 41 | 102.8 | 92.1 | 152.1 |

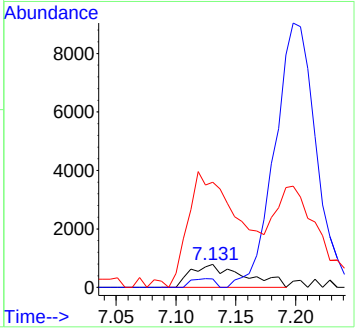


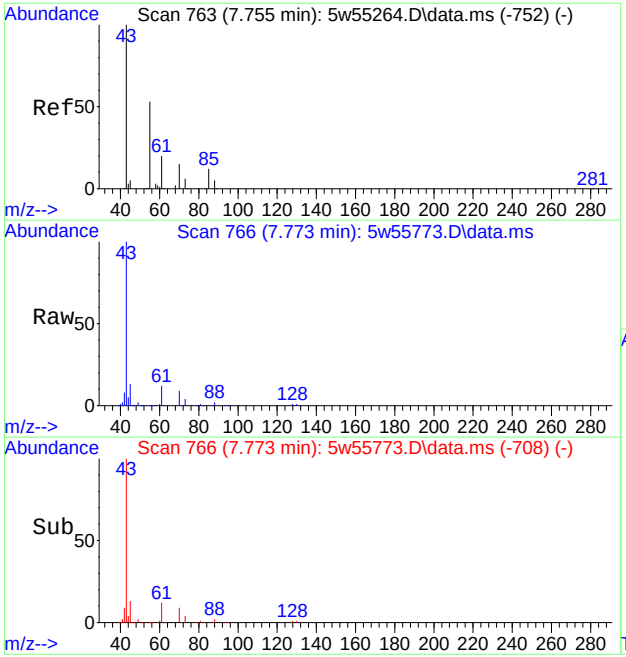




#41
METHYL ETHYL KETONE
Concen: 0.24 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 72 Resp: 2431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 36.7 | 1.1 | 61.1 |
| 43 | 454.0 | 390.6 | 450.6# |

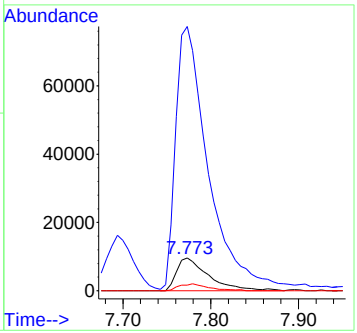


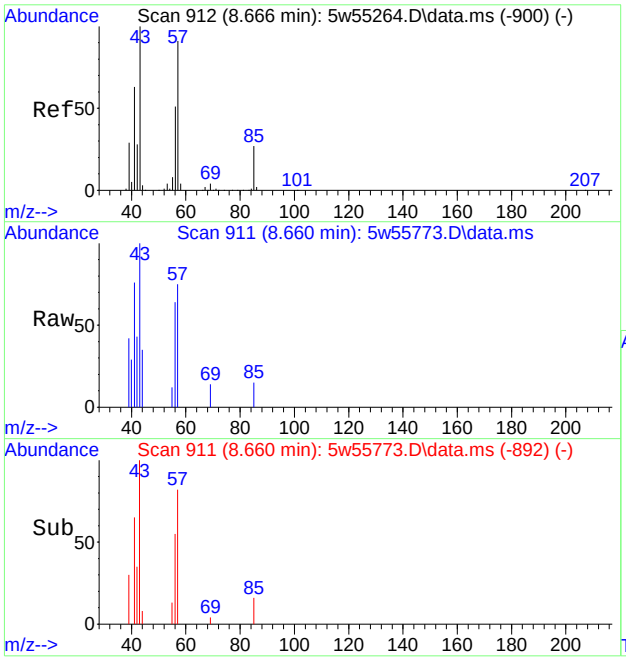



#44
ETHYL ACETATE
Concen: 3.28 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 61 Resp: 24420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 843.3 | 0.0 | 30.0# |
| 88 | 20.0 | 7.3 | 67.3 |

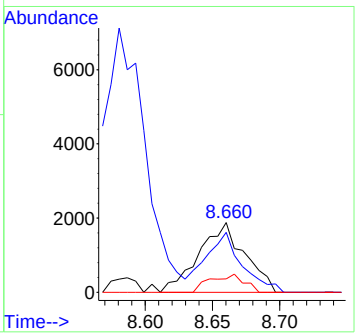


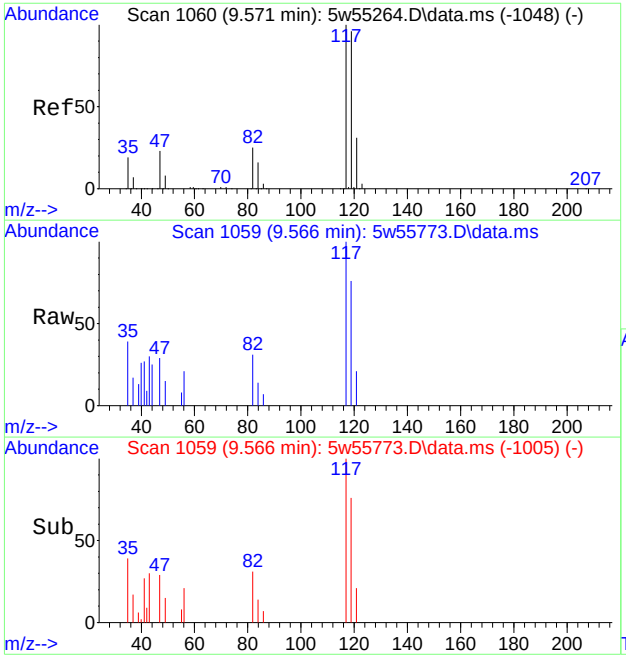




#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 57 Resp: 4471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 68.9 | 26.4 | 86.4 |
| 85 | 19.4 | 0.0 | 56.0 |

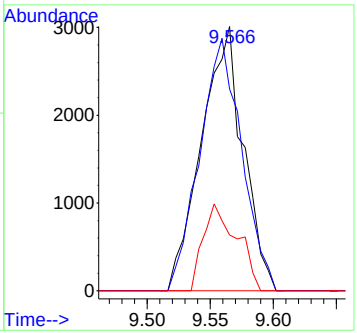


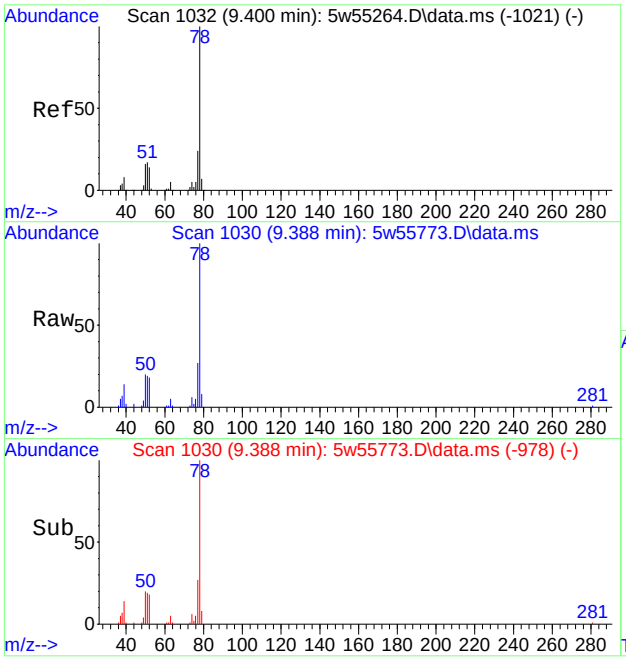



#49
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:117 Resp: 6933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 65.9 | 125.9 |
| 121 | 26.6 | 0.7 | 60.7 |

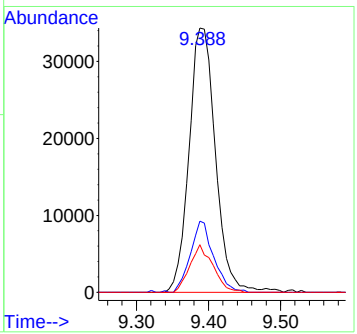


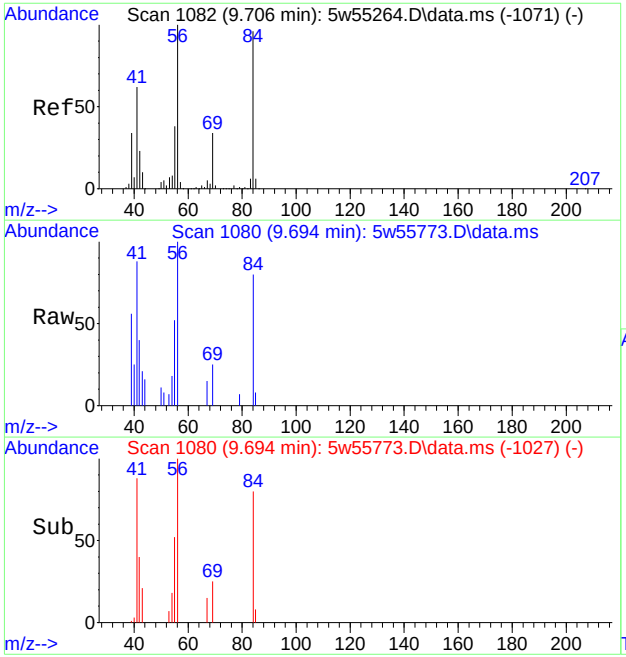




#52
BENZENE
Concen: 1.06 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. -0.012 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 78 Resp: 87595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 0.0 | 54.0 |
| 52 | 15.8 | 0.0 | 45.6 |

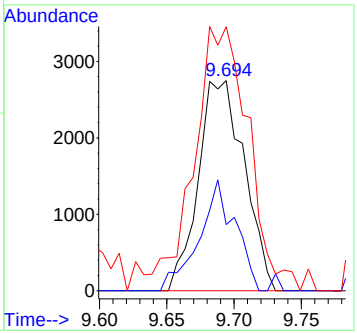


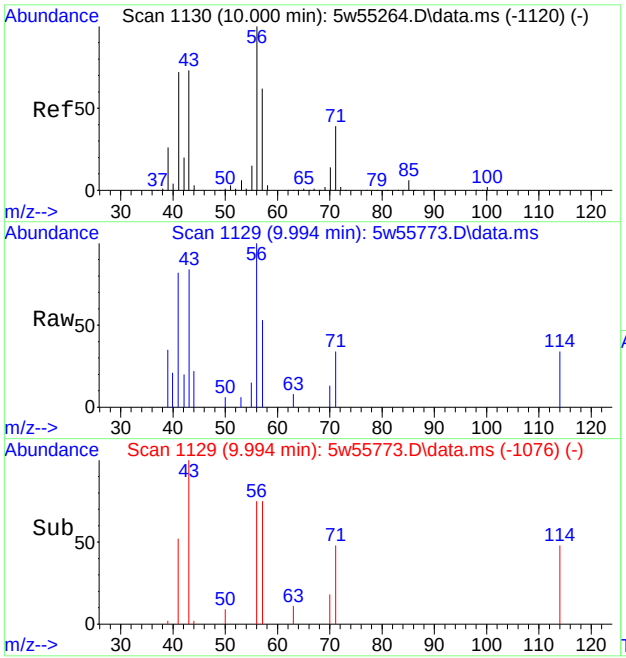



#53
CYCLOHEXANE
Concen: 0.21 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 84 Resp: 6554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 41.3 | 7.0 | 67.0 |
| 56 | 147.0 | 86.5 | 146.5# |

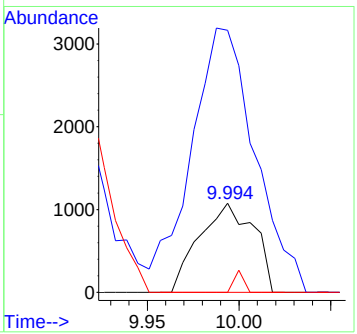


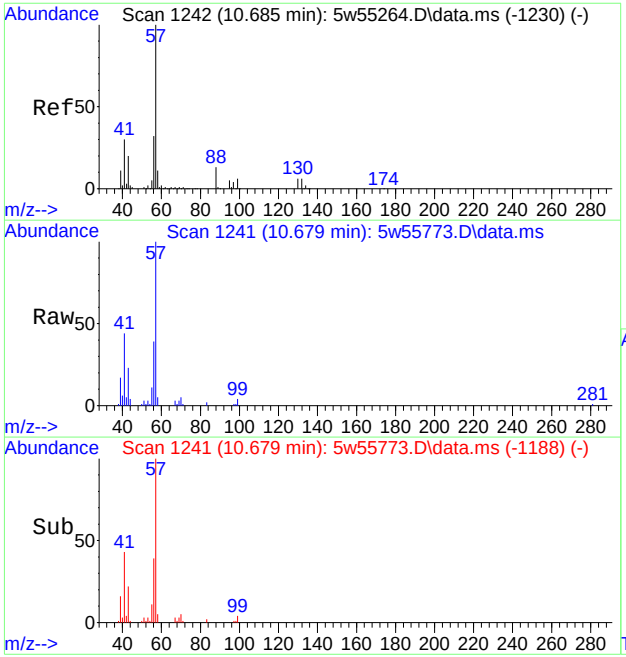




#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 71 Resp: 2225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 346.7 | 235.4 | 295.4# |
| 85 | 0.0 | 0.0 | 45.3 |

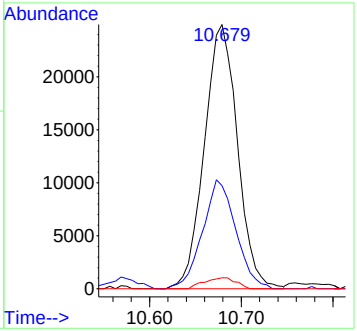


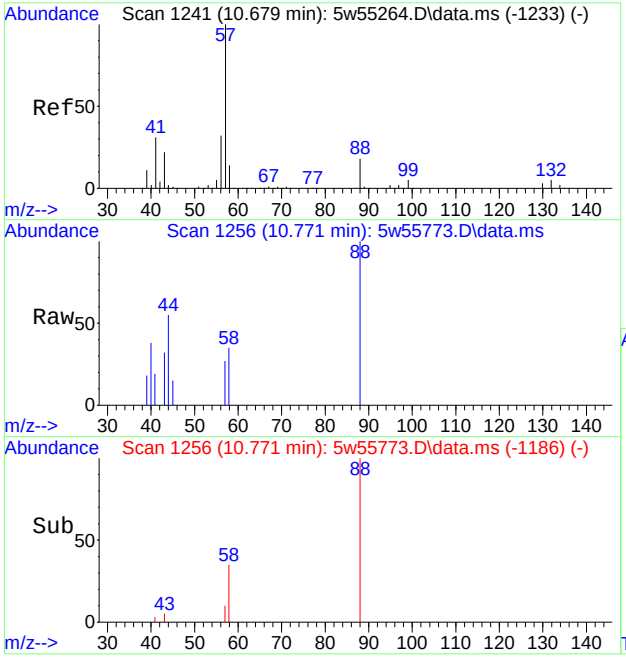



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.50 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 57 Resp: 62731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.3 | 2.2 | 62.2 |
| 99 | 4.0 | 0.0 | 37.6 |

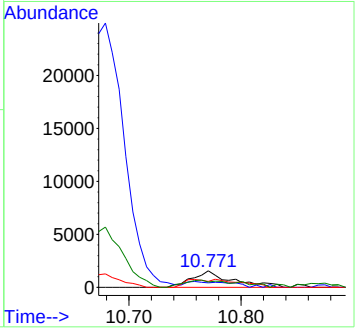


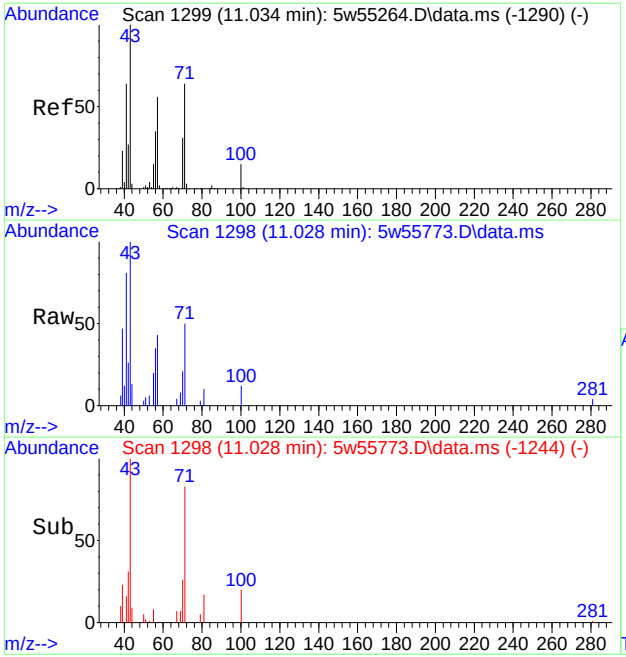




#61
1,4-DIOXANE
Concen: 0.20 PPBV
RT: 10.771 min Scan# 1256
Delta R.T. 0.098 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 88 Resp: 3910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 26.7 | 493.0 | 553.0# |
| 58 | 35.4 | 54.8 | 114.8# |
| 43 | 31.5 | 94.7 | 154.7# |

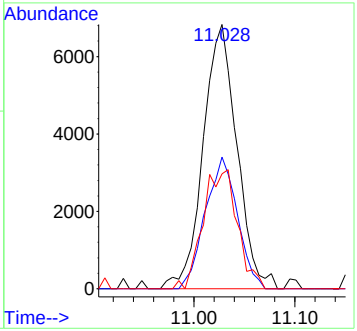


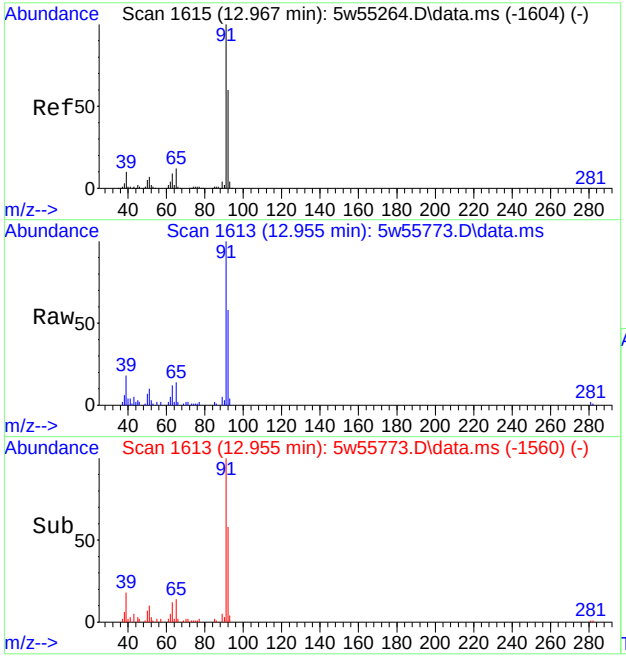



#62
HEPTANE
Concen: 0.36 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 43 Resp: 15903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 47.4 | 27.2 | 87.2 |
| 57 | 45.9 | 22.5 | 82.5 |

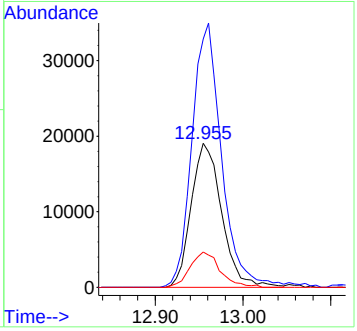


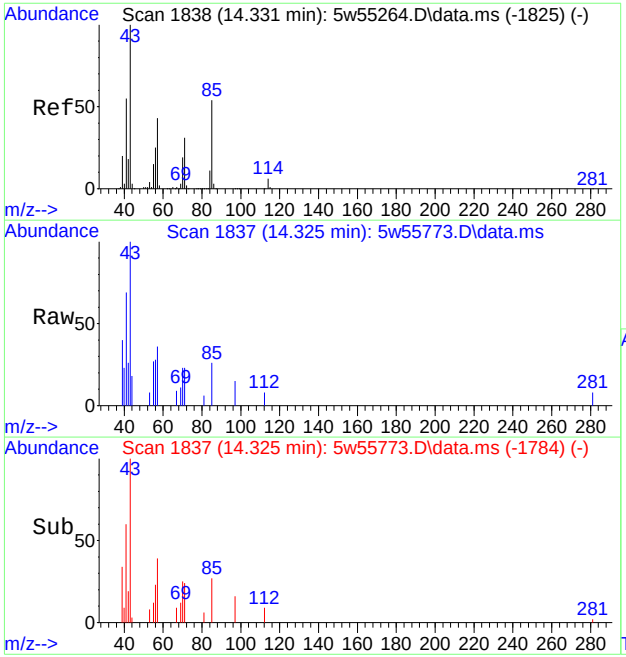




#66
TOLUENE
Concen: 0.80 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 92 Resp: 46222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.2 | 143.4 | 203.4 |
| 65 | 24.2 | 0.0 | 53.8 |

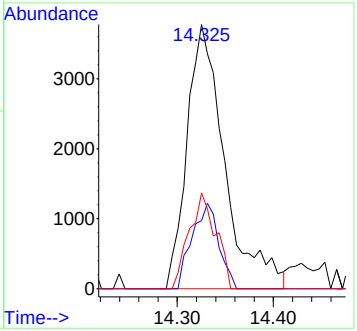


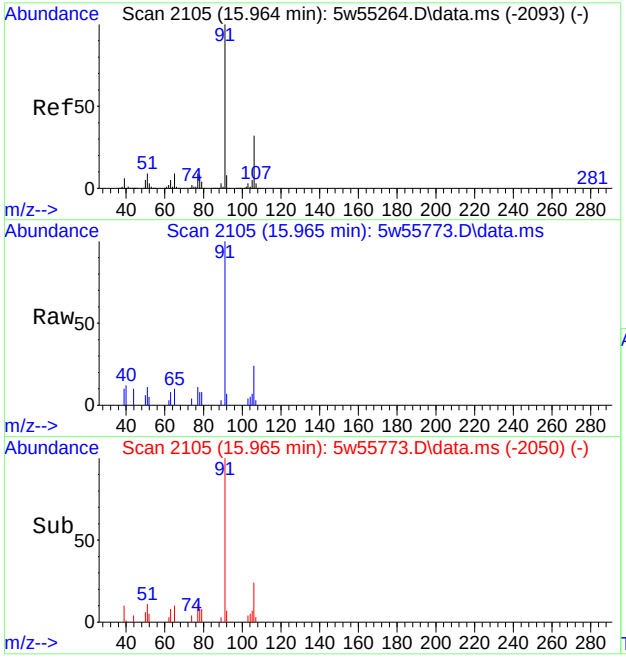



#76
OCTANE
Concen: 0.18 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 43 Resp: 10339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 22.9 | 13.7 | 73.7 |
| 57 | 25.7 | 9.9 | 69.9 |

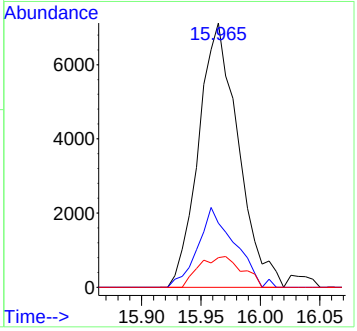


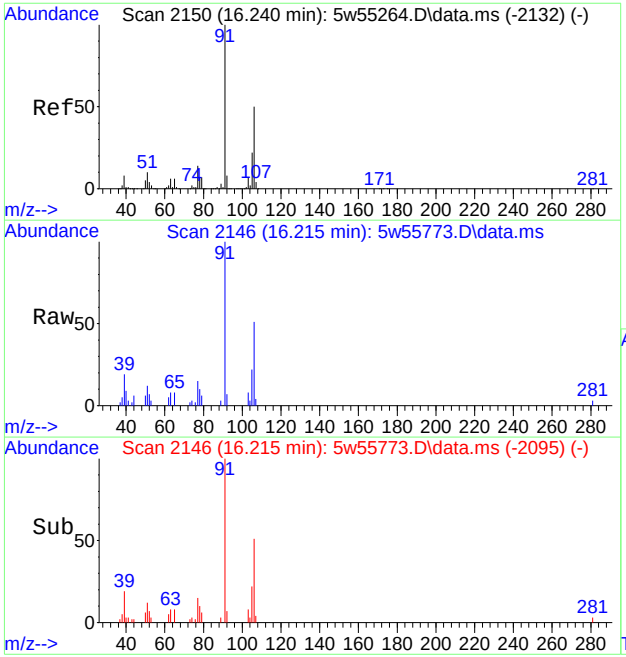




#79
ETHYLBENZENE
Concen: 0.14 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion: 91 Resp: 16514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.0 | 0.0 | 59.9 |
| 77 | 12.7 | 0.0 | 39.1 |

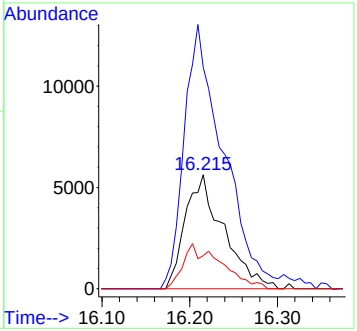


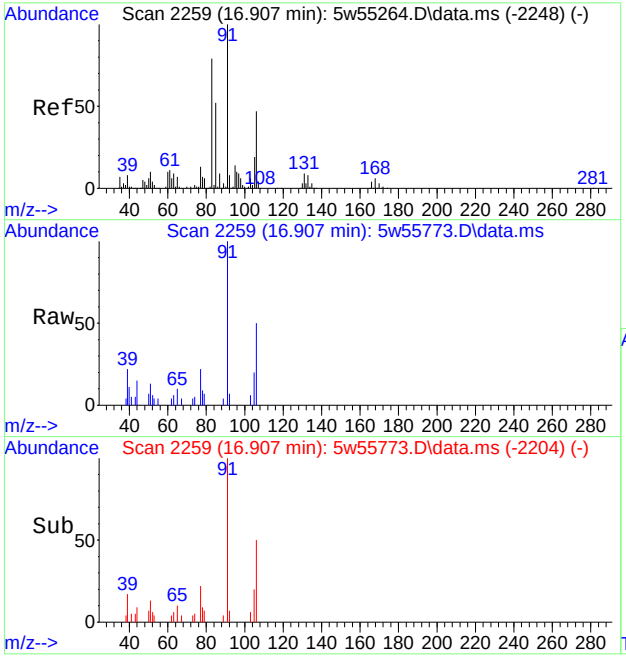



#80
m,p-XYLENE
Concen: 0.37 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:106 Resp: 17062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 194.3 | 181.2 | 241.2 |
| 77 | 29.2 | 0.1 | 60.1 |

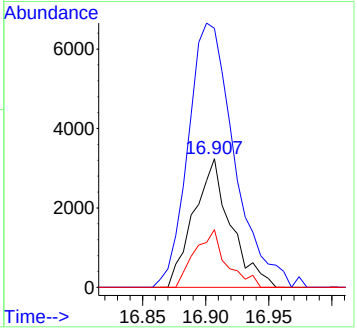


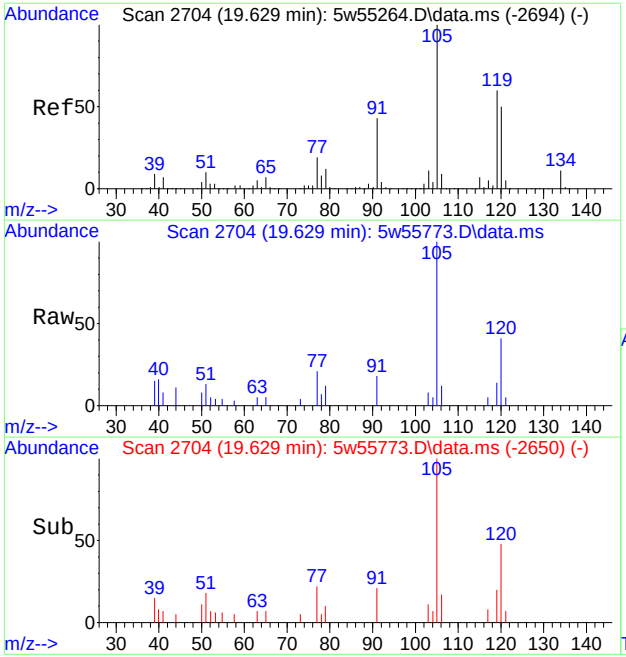




#81
o-XYLENE
Concen: 0.15 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:106 Resp: 6609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 256.7 | 193.4 | 253.4# |
| 77 | 38.3 | 0.0 | 59.8 |

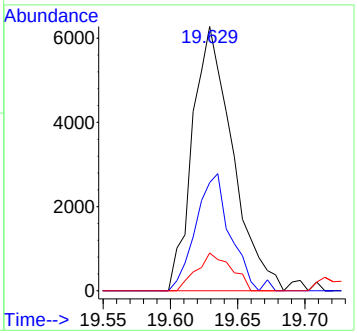





#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.11 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55773.D
Acq: 20 Dec 2024 8:03 am

Tgt Ion:105 Resp: 12997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 37.7 | 22.6 | 82.6 |
| 119 | 12.4 | 69.7 | 129.7# |



# Manual Integration Approval Summary



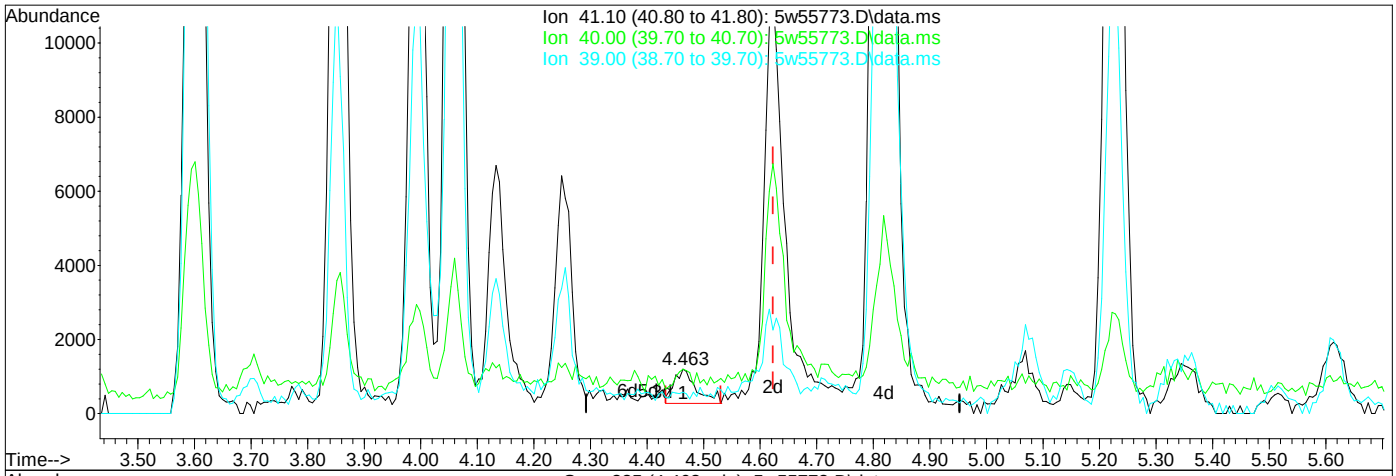
**Sample Number:** JE2488-2
**Lab FileID:** 5W55773.D
**Injection Time:** 12/20/24 08:03
**Method:** TO-15
**Analyst approved:** 12/20/24 12:51 Geralyn Gomez
**Supervisor approved:** 12/20/24 20:05 Kanya Veerawat

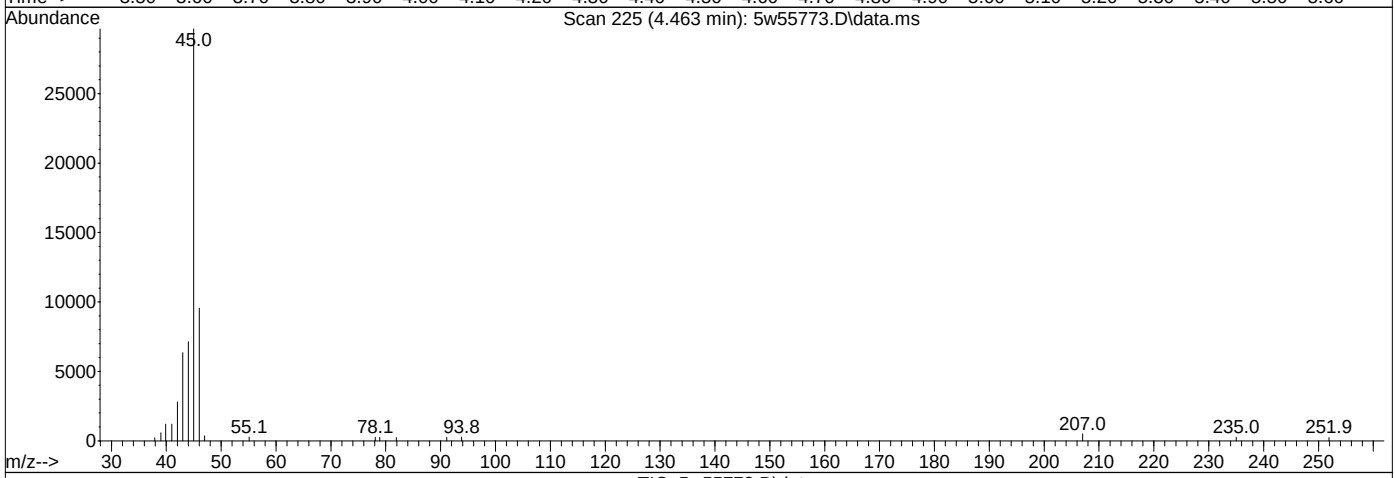
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Acetonitrile | 75-05-8 | | 4.62 | Missed peak |
| Methyl ethyl ketone | 78-93-3 | | 7.13 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\
Data File : 5w55773.D
Acq On : 20 Dec 2024 8:03 am
Operator : thomash
Sample : je2488-2 Inst : GCMS5W
Misc : MS88104,V5W2135,500,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 20 17:50:06 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55773.D\data.ms

(17) ACETONITRILE

4.463min (-0.159) 0.09PPBV

response 2515

| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.90 | 40.52 |
| 39.00 | 19.60 | 15.90 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:05

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55716.D
Acq On : 18 Dec 2024 8:40 am
Operator : thomash
Sample : je2488-2 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:53:53 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

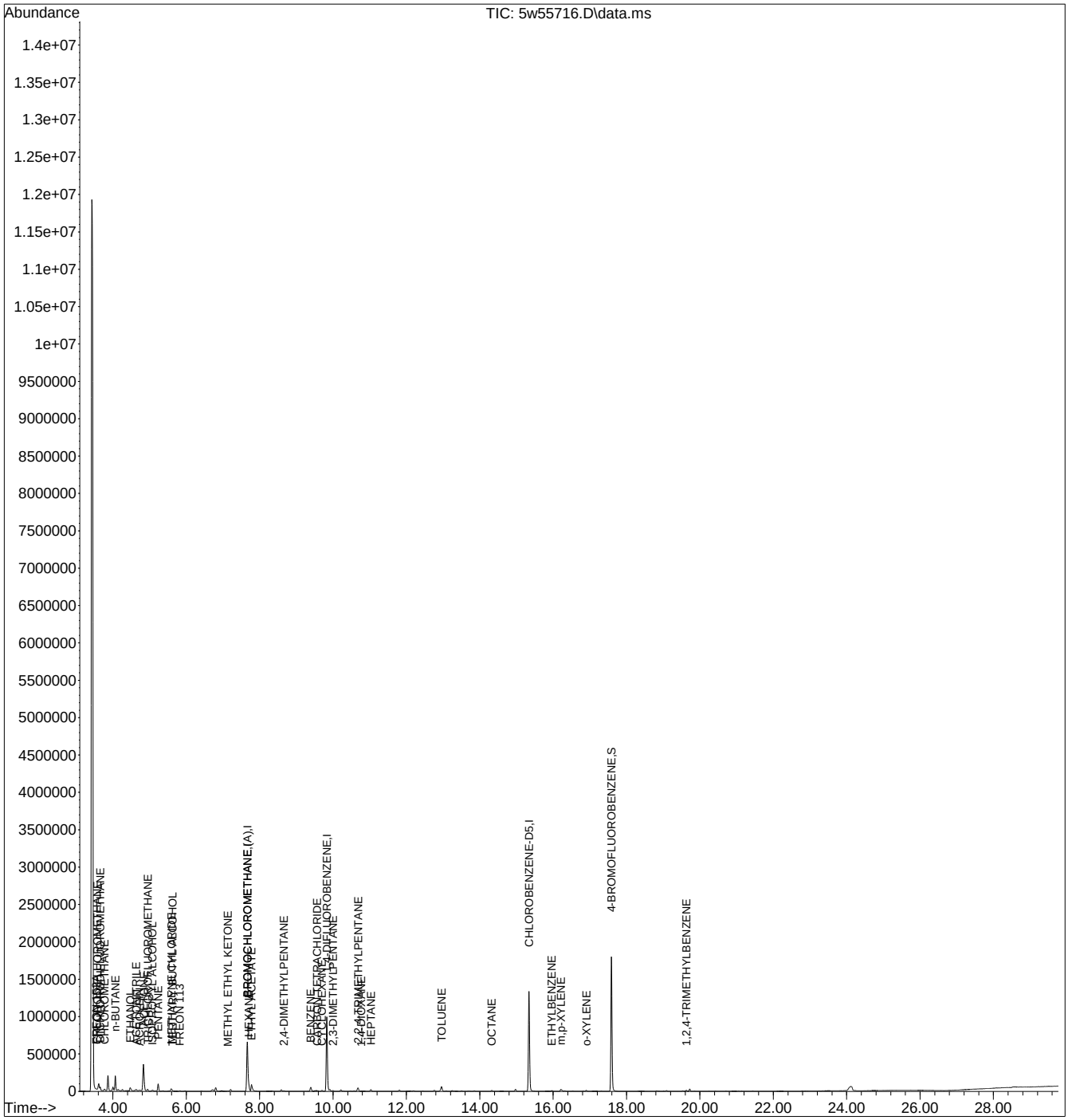
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 155758 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 802815 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 500617 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 155758 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 598781 | 10.69 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.90% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 3039 | 0.2637 | PPBV | # 21 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2093 | 0.3503 | PPBV | 86 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 41188 | 0.7236 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 7014 | 0.9556 | PPBV | 92 |
| 13) n-BUTANE | 4.066 | 43 | 166416 | 5.0012 | PPBV | 98 |
| 17) ACETONITRILE | 4.628 | 41 | 22906 | 1.1917 | PPBV | # 88 |
| 18) ACROLEIN | 4.726 | 56 | 5937 | 0.7074 | PPBV | 81 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 20559 | 0.3908 | PPBV | 96 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 20232 | 0.6071 | PPBV | 79 |
| 23) ACETONE | 4.843 | 58 | 88043 | 7.0084 | PPBV | 90 |
| 24) PENTANE | 5.234 | 42 | 42576 | 2.5716 | PPBV | 97 |
| 28) ETHANOL | 4.469 | 45 | 50282 | 4.1165 | PPBV | 97 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 13287 | 0.8133 | PPBV | 83 |
| 33) FREON 113 | 5.821 | 151 | 2697 | 0.0995 | PPBV | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.626 | 59 | 3112 | 0.0993 | PPBV | # 1 |
| 38) HEXANE | 7.700 | 57 | 29926 | 1.2262 | PPBV | 89 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 1004m | 0.1486 | PPBV | |
| 44) ETHYL ACETATE | 7.779 | 61 | 17108 | 3.4326 | PPBV | # 67 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 3132 | 0.1173 | PPBV | 85 |
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 4177 | 0.0973 | PPBV | 99 |
| 52) BENZENE | 9.394 | 78 | 54829 | 0.9423 | PPBV | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 4226 | 0.1933 | PPBV | # 71 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 1712 | 0.1451 | PPBV | # 97 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 39714 | 0.4494 | PPBV | 80 |
| 61) 1,4-DIOXANE | 10.771 | 88 | 2391 | 0.1764 | PPBV | # 1 |
| 62) HEPTANE | 11.034 | 43 | 10458 | 0.3388 | PPBV | 90 |
| 66) TOLUENE | 12.961 | 92 | 30035 | 0.7380 | PPBV | 96 |
| 76) OCTANE | 14.325 | 43 | 7534 | 0.1713 | PPBV | 68 |
| 79) ETHYLBENZENE | 15.958 | 91 | 11167 | 0.1210 | PPBV | 95 |
| 80) m,p-XYLENE | 16.209 | 106 | 11676 | 0.3334 | PPBV | 90 |
| 81) o-XYLENE | 16.907 | 106 | 4422 | 0.1301 | PPBV | 88 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 8564 | 0.0984 | PPBV | # 37 |

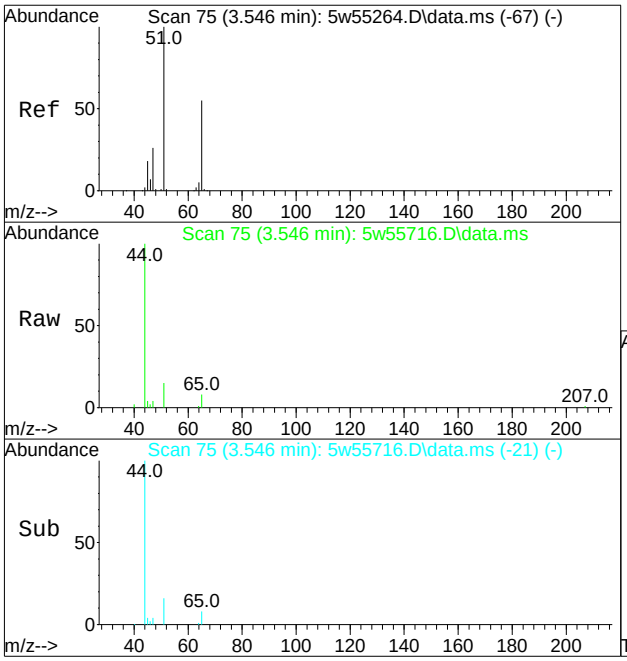
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55716.D
Acq On : 18 Dec 2024 8:40 am
Operator : thomash
Sample : je2488-2 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 19:53:53 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

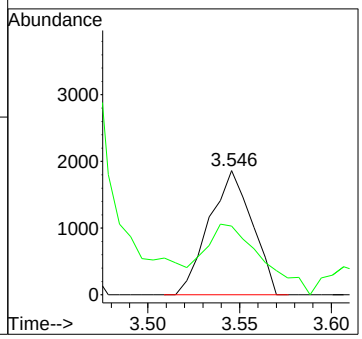


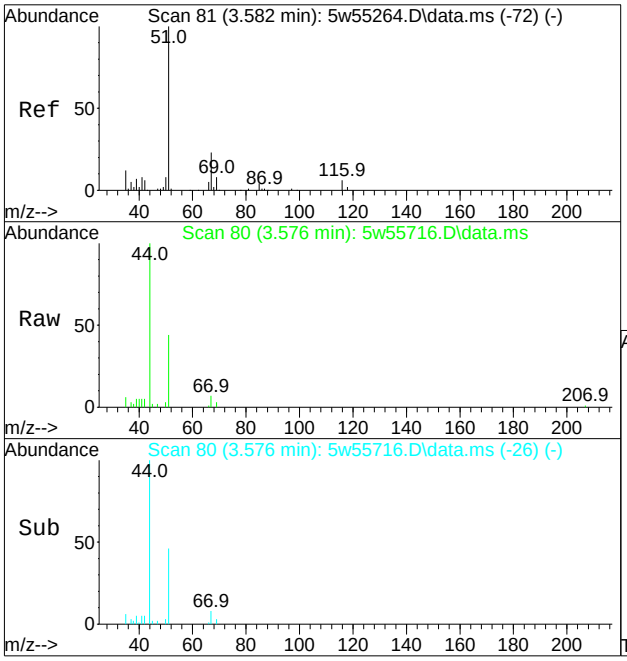



#3
FREON 152A
Concen: 0.2637 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 65 Resp: 3039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 75.9 | 1.8 | 61.8# |

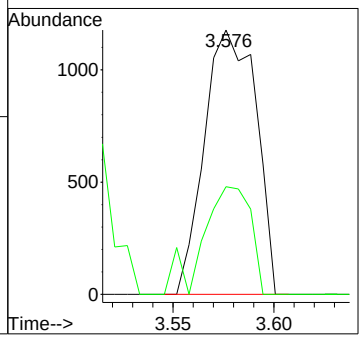


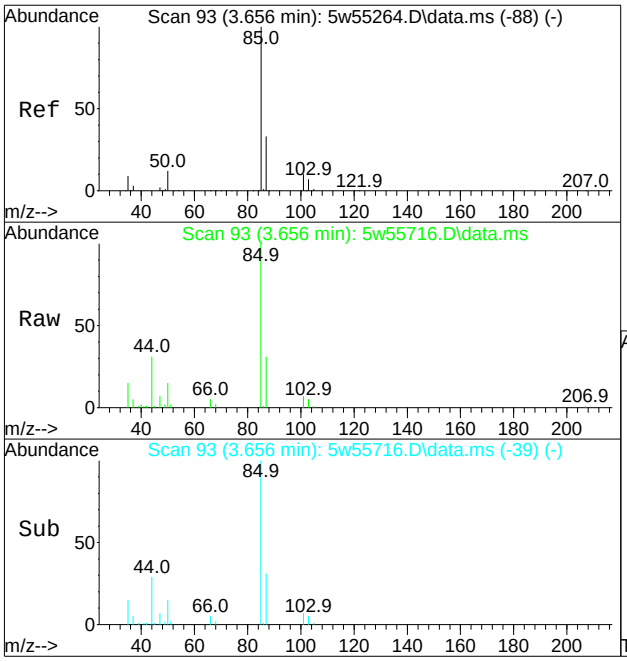




#4
CHLORODIFLUOROMETHANE
Concen: 0.3503 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 67 Resp: 2093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 40.7 | 2.9 | 62.9 |

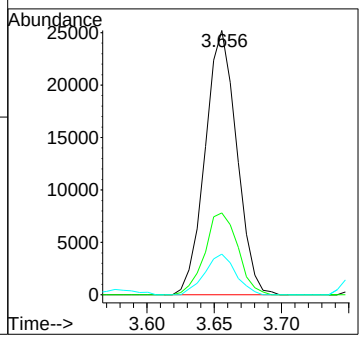


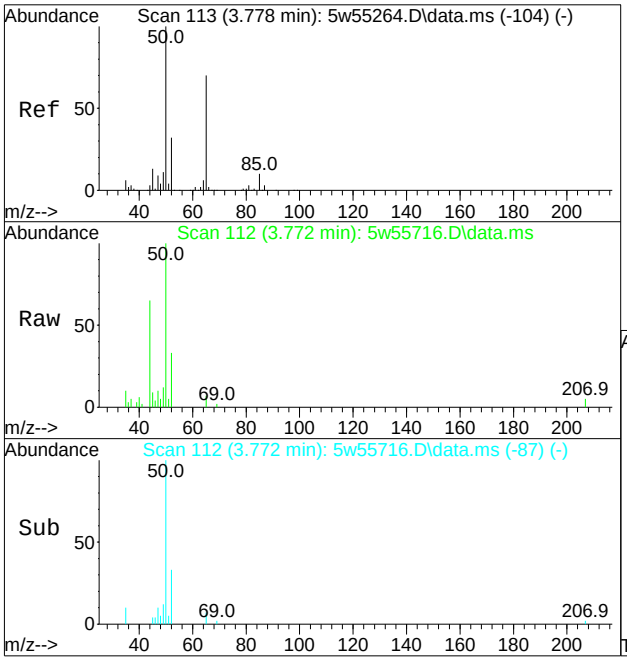



#6
DICHLORODIFLUOROMETHANE
Concen: 0.7236 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 85 Resp: 41188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 2.6 | 62.6 |
| 50 | 15.1 | 0.0 | 43.0 |

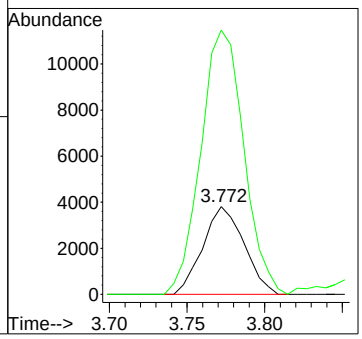


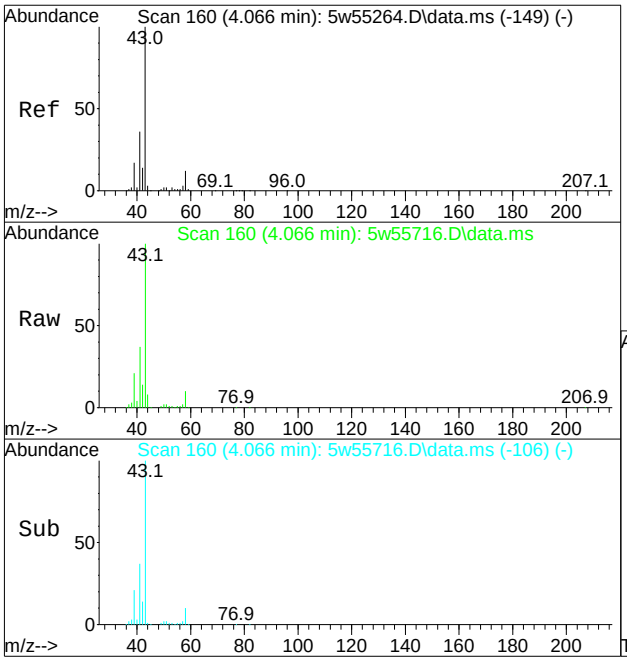




#10
CHLOROMETHANE
Concen: 0.9556 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 52 Resp: 7014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 301.7 | 287.9 | 347.9 |

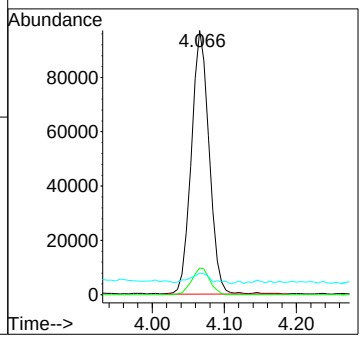


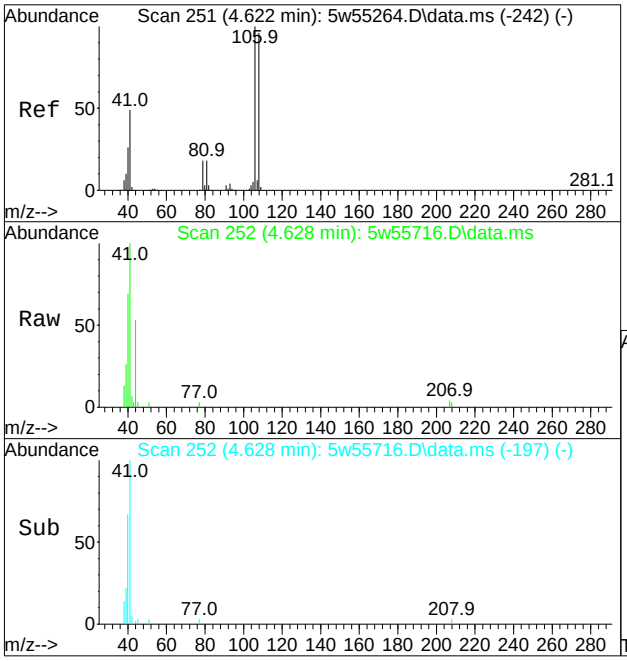



#13
n-BUTANE
Concen: 5.0012 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 43 Resp: 166416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 4.9 | 0.0 | 34.7 |

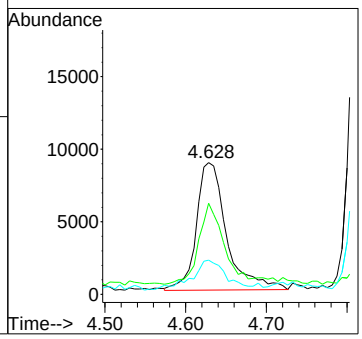


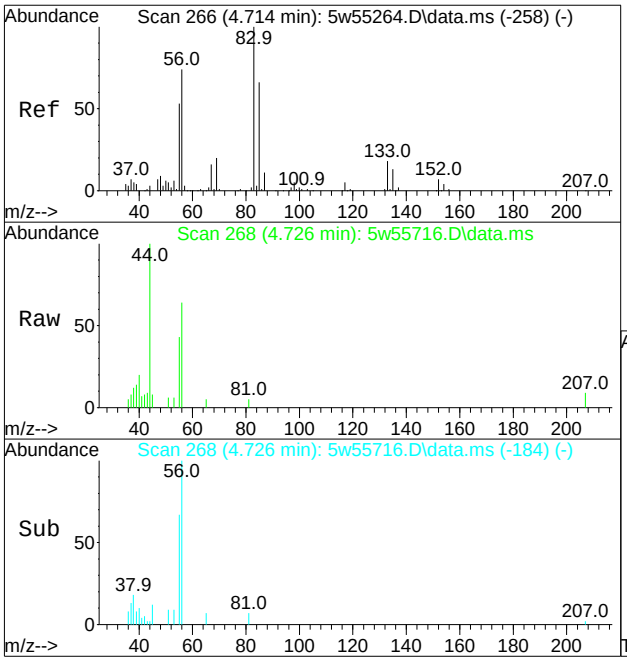




#17
ACETONITRILE
Concen: 1.1917 PPBV
RT: 4.628 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 41 Resp: 22906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 61.7 | 38.4 | 71.4 |
| 39 | 27.5 | 13.7 | 25.5# |

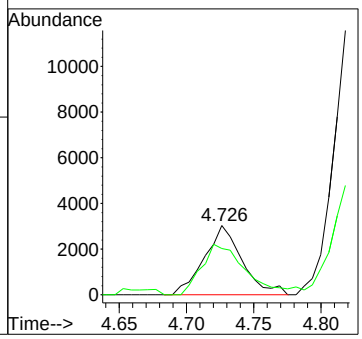


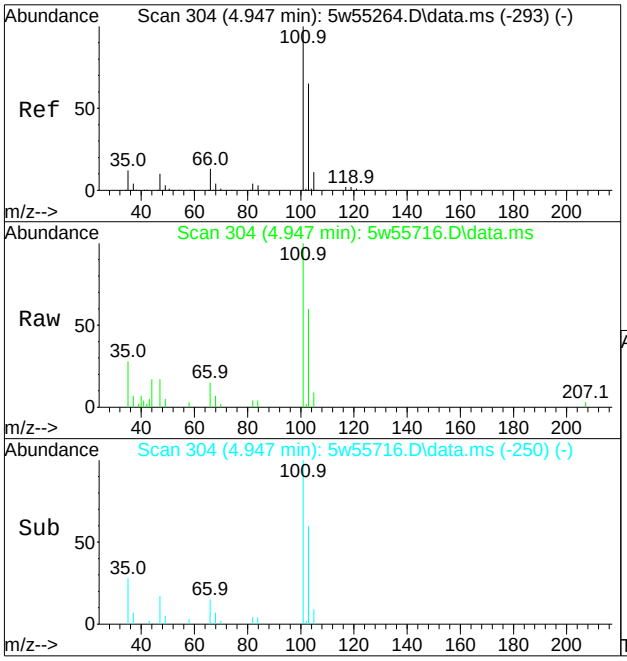



#18
ACROLEIN
Concen: 0.7074 PPBV
RT: 4.726 min Scan# 268
Delta R.T. 0.012 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 56 Resp: 5937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 87.1 | 49.8 | 92.6 |

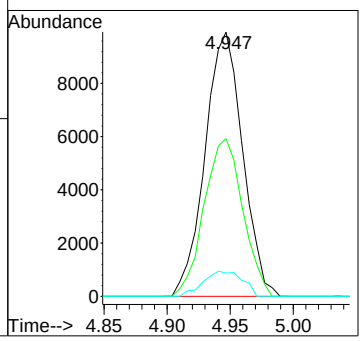


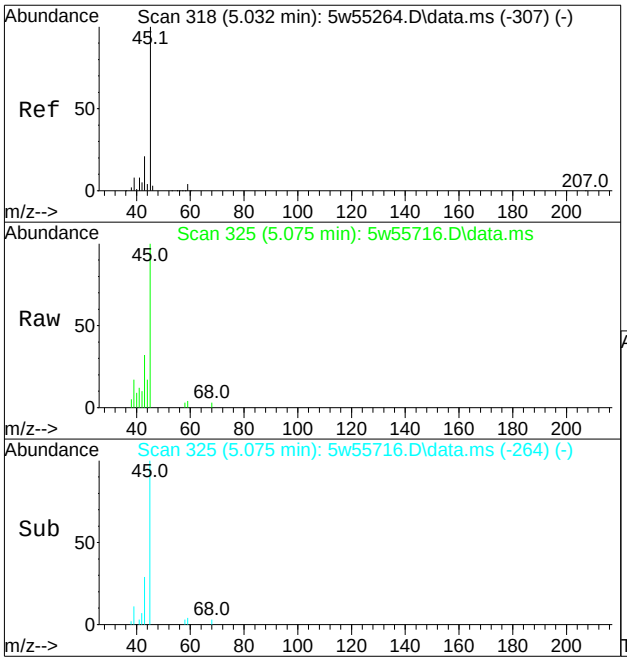




#21
TRICHLOROFLUOROMETHANE
Concen: 0.3908 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:101 Resp: 20559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.2 | 34.7 | 94.7 |
| 105 | 10.0 | 0.0 | 40.5 |

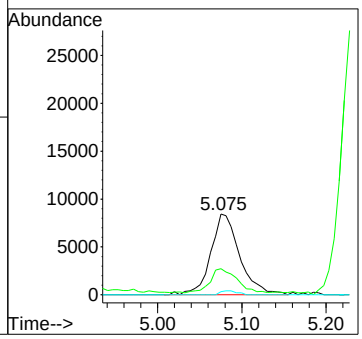


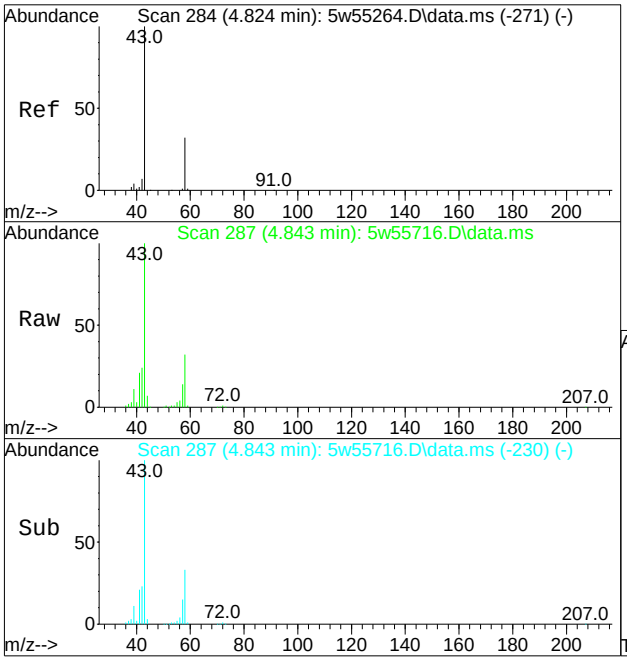



#22
ISOPROPYL ALCOHOL
Concen: 0.6071 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 45 Resp: 20232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 32.3 | 0.0 | 50.8 |
| 59 | 3.8 | 0.0 | 33.8 |

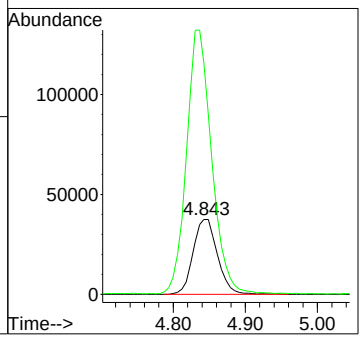


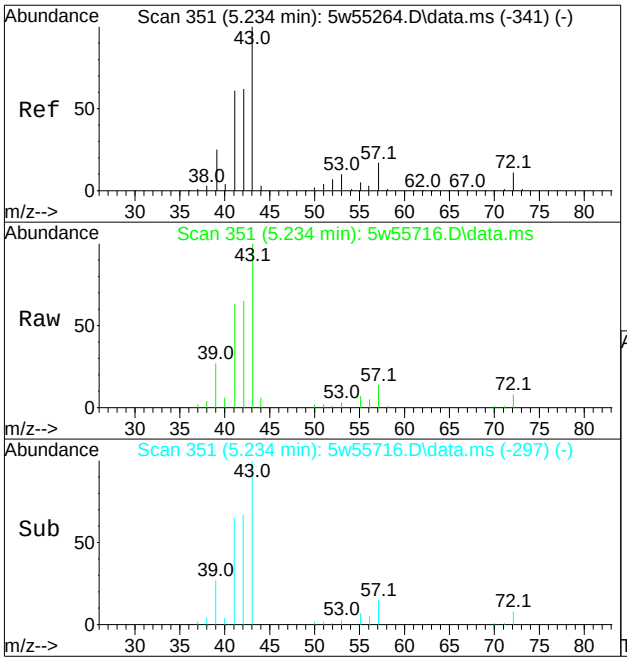




#23
ACETONE
Concen: 7.0084 PPBV
RT: 4.843 min Scan# 287
Delta R.T. 0.018 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 58 Resp: 88043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 362.9 | 312.3 | 372.3 |

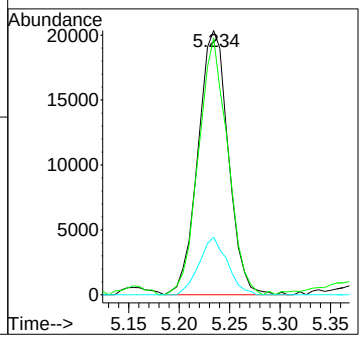


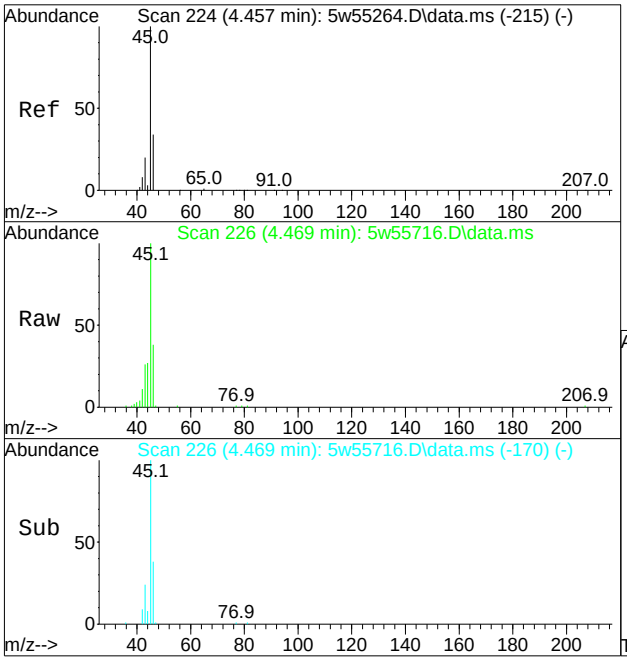



#24
PENTANE
Concen: 2.5716 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 42 Resp: 42576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 93.6 | 64.4 | 124.4 |
| 57 | 20.3 | 0.0 | 55.0 |

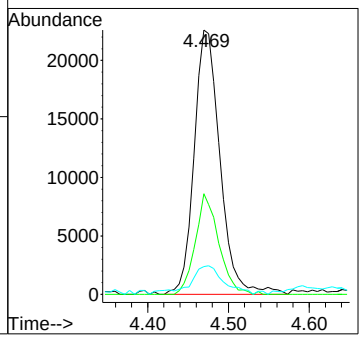


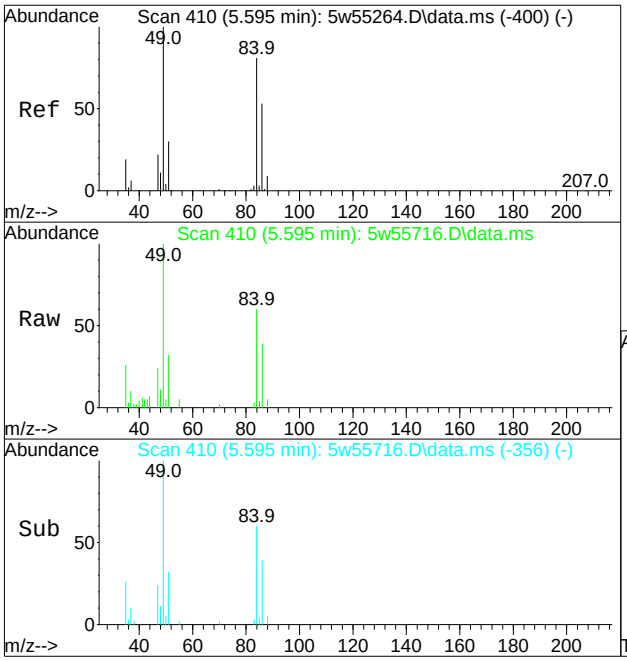




#28
ETHANOL
Concen: 4.1165 PPBV
RT: 4.469 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 45 Resp: 50282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.5 | 4.5 | 64.5 |
| 42 | 14.0 | 0.0 | 38.6 |

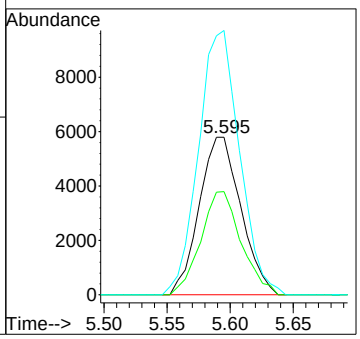


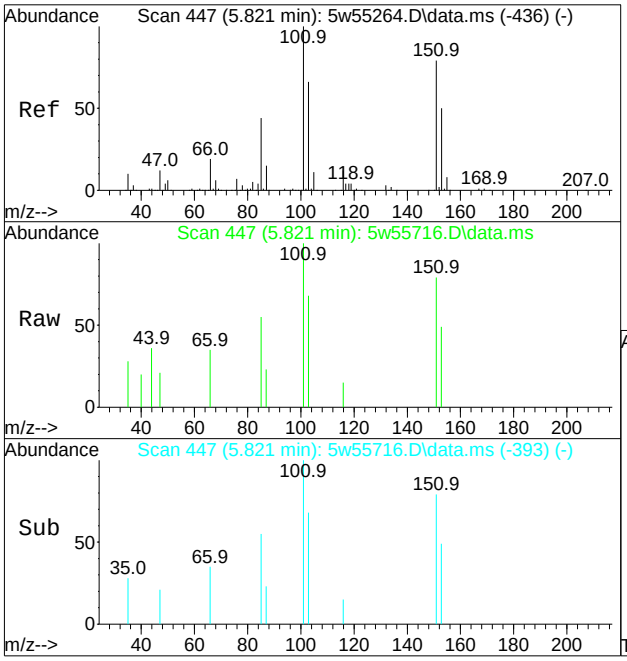



#31
METHYLENE CHLORIDE
Concen: 0.8133 PPBV
RT: 5.595 min Scan# 410
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 84 Resp: 13287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.3 | 34.0 | 94.0 |
| 49 | 165.2 | 105.8 | 165.8 |

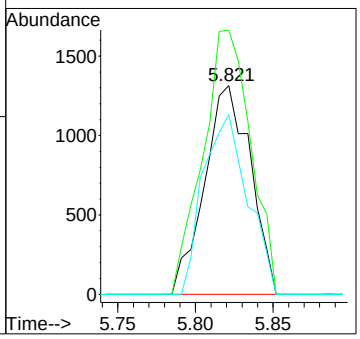


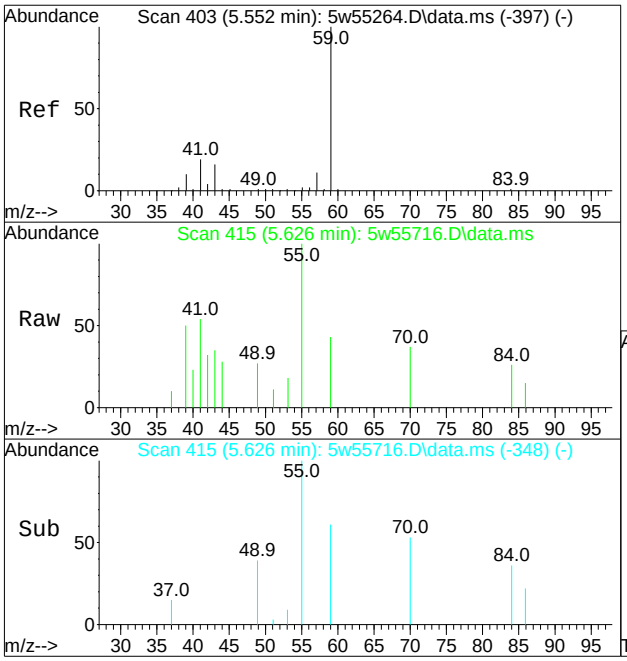




#33
FREON 113
Concen: 0.0995 PPBV
RT: 5.821 min Scan# 447
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:151 Resp: 2697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 132.4 | 112.2 | 172.2 |
| 103 | 83.9 | 62.0 | 122.0 |

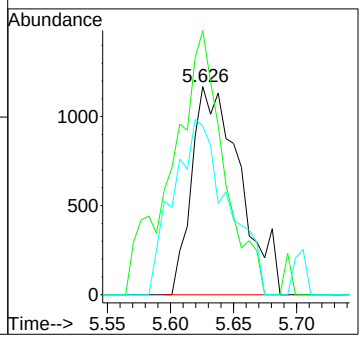


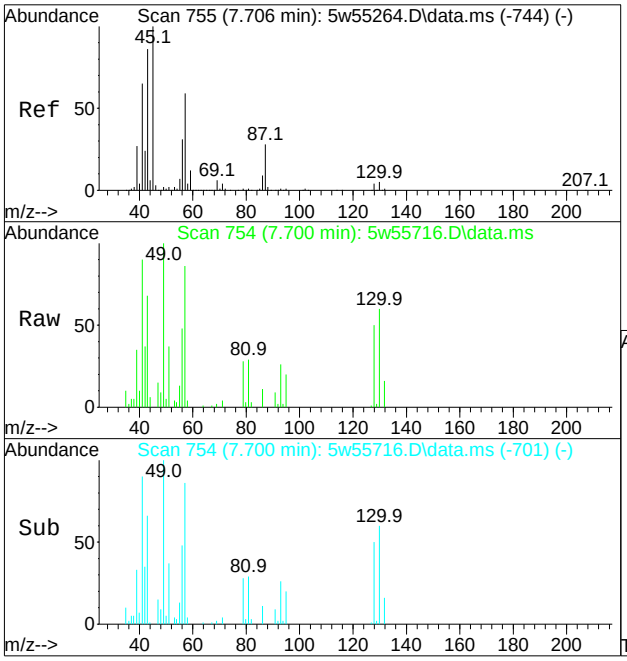



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.0993 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.079 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 59 Resp: 3112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 135.9 | 0.0 | 53.1# |
| 43 | 95.0 | 0.0 | 47.1# |

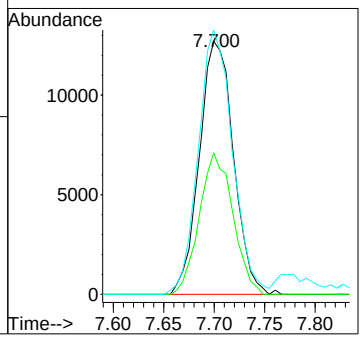


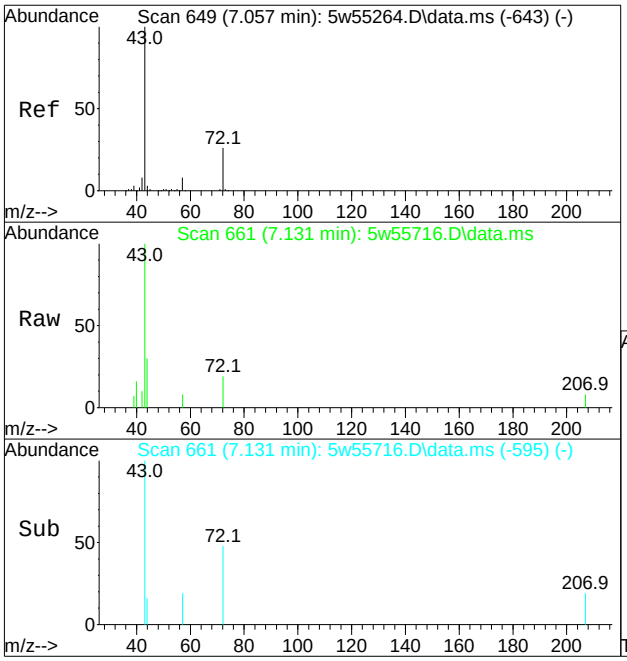




#38
HEXANE
Concen: 1.2262 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 57 Resp: 29926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 54.9 | 24.2 | 84.2 |
| 41 | 104.6 | 92.1 | 152.1 |

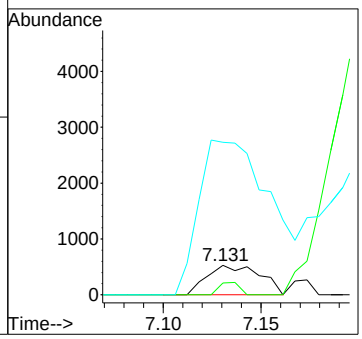


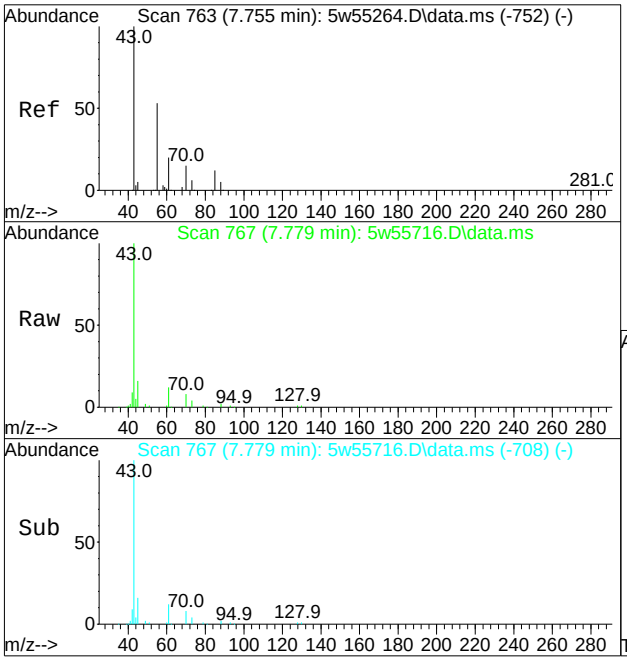



#41
METHYL ETHYL KETONE
Concen: 0.1486 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 72 Resp: 1004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 39.8 | 1.1 | 61.1 |
| 43 | 515.7 | 390.6 | 450.6# |

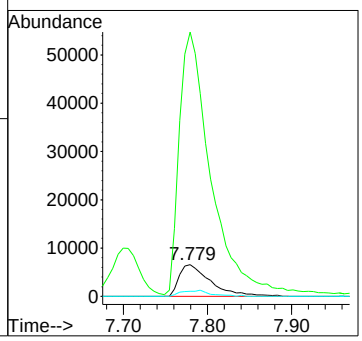


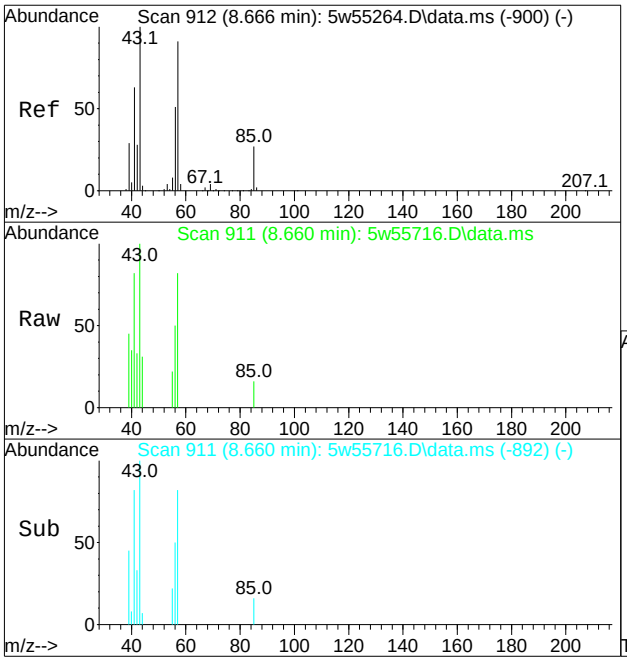




#44
ETHYL ACETATE
Concen: 3.4326 PPBV
RT: 7.779 min Scan# 767
Delta R.T. 0.030 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 61 Resp: 17108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 855.4 | 0.0 | 30.0# |
| 88 | 17.7 | 7.3 | 67.3 |

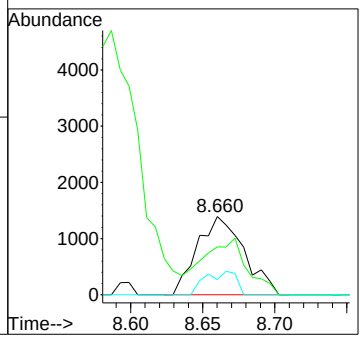


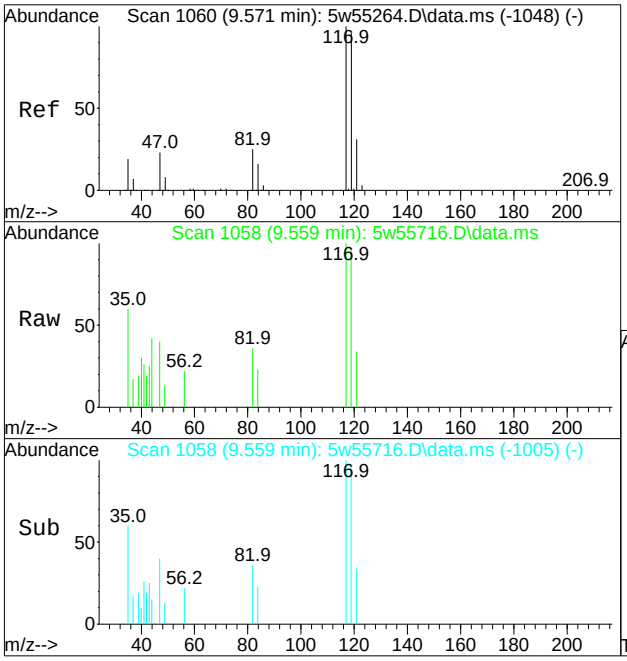



#47
2,4-DIMETHYLPENTANE
Concen: 0.1173 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 57 Resp: 3132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 68.5 | 26.4 | 86.4 |
| 85 | 19.8 | 0.0 | 56.0 |

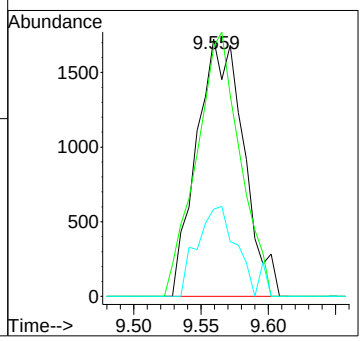


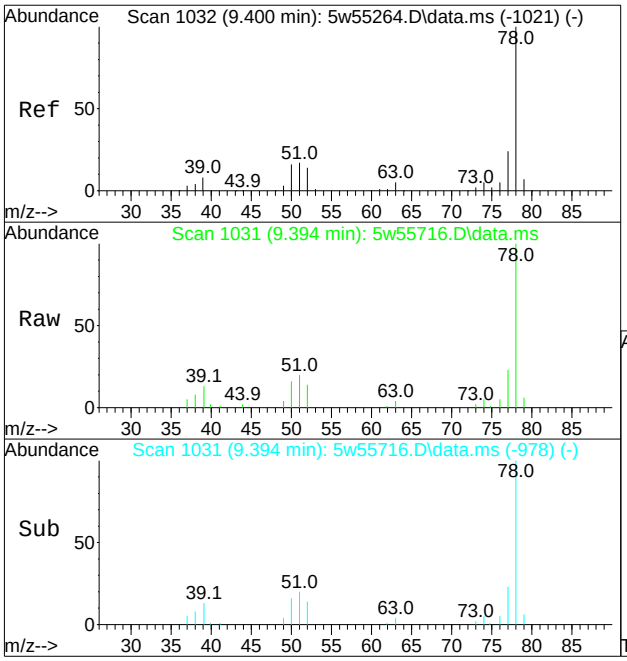




#49
CARBON TETRACHLORIDE
Concen: 0.0973 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:117 Resp: 4177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 65.9 | 125.9 |
| 121 | 30.6 | 0.7 | 60.7 |

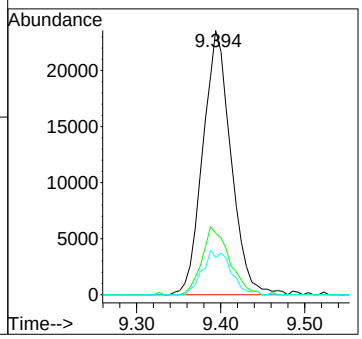


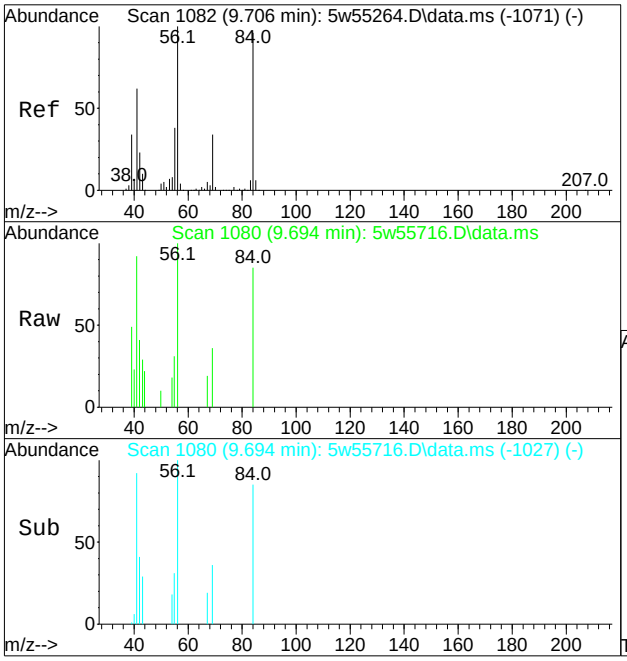



#52
BENZENE
Concen: 0.9423 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 78 Resp: 54829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.0 | 0.0 | 54.0 |
| 52 | 16.8 | 0.0 | 45.6 |

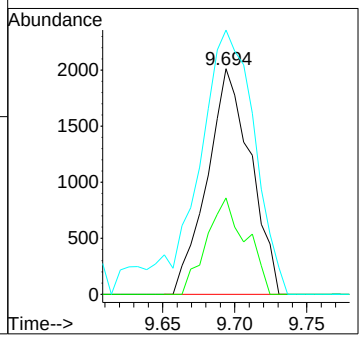


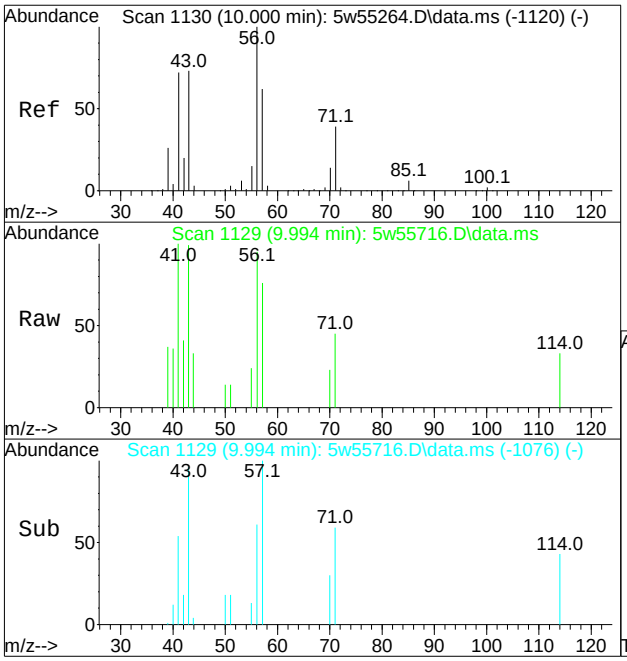




#53
CYCLOHEXANE
Concen: 0.1933 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 84 Resp: 4226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.8 | 7.0 | 67.0 |
| 56 | 156.7 | 86.5 | 146.5# |

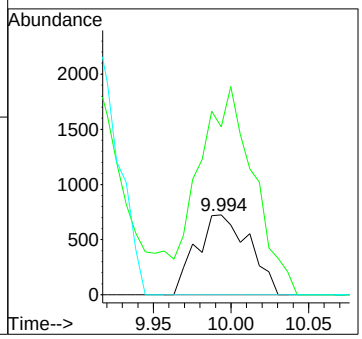


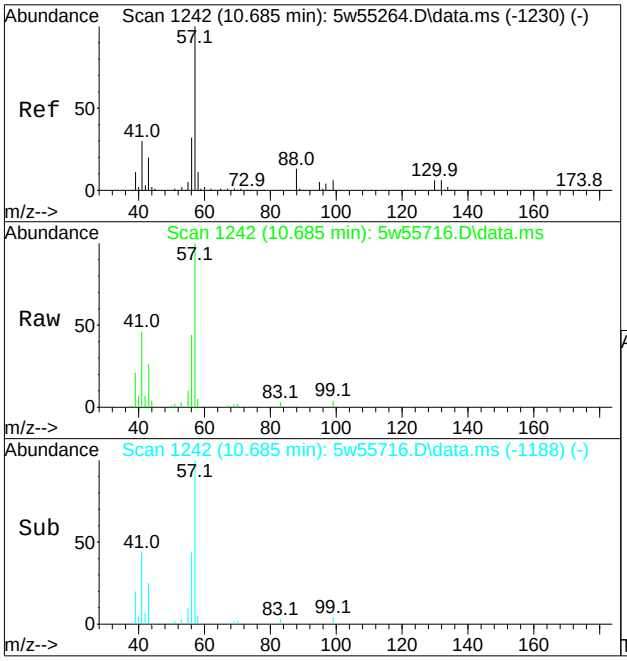



#54
2,3-DIMETHYLPENTANE
Concen: 0.1451 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 71 Resp: 1712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 267.2 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

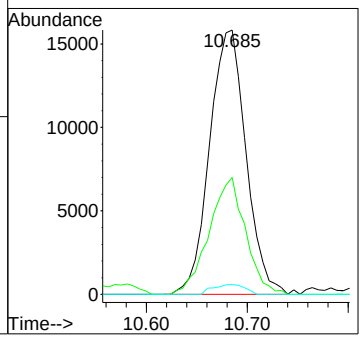


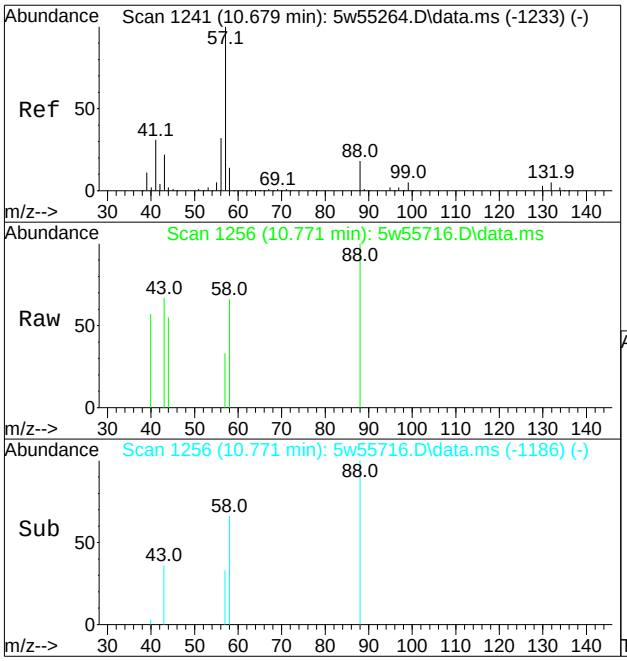




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.4494 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 57 Resp: 39714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 44.2 | 2.2 | 62.2 |
| 99 | 3.3 | 0.0 | 37.6 |

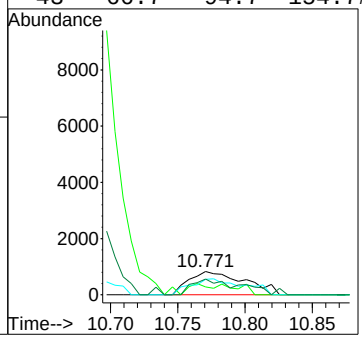


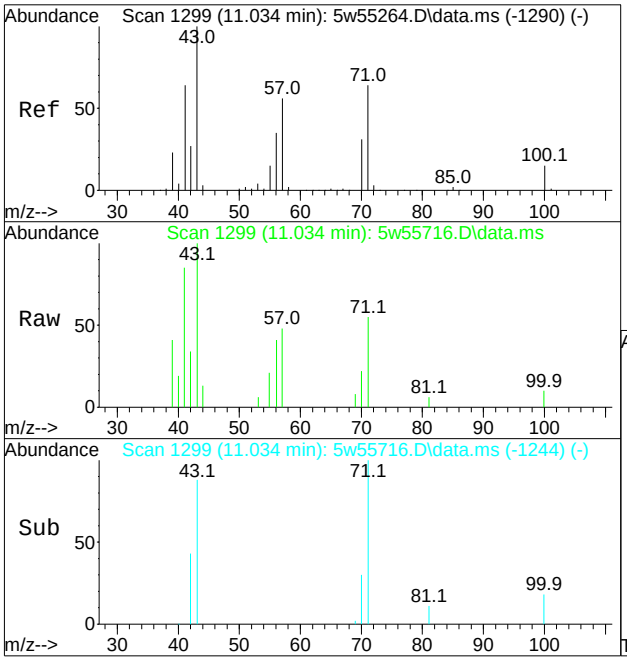



#61
1,4-DIOXANE
Concen: 0.1764 PPBV
RT: 10.771 min Scan# 1256
Delta R.T. 0.098 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 88 Resp: 2391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 33.5 | 493.0 | 553.0# |
| 58 | 65.9 | 54.8 | 114.8 |
| 43 | 66.7 | 94.7 | 154.7# |

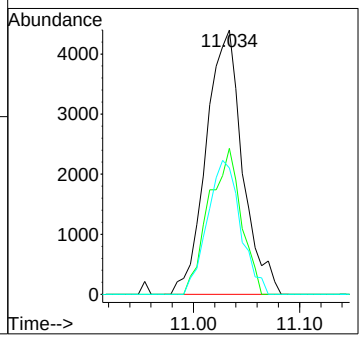


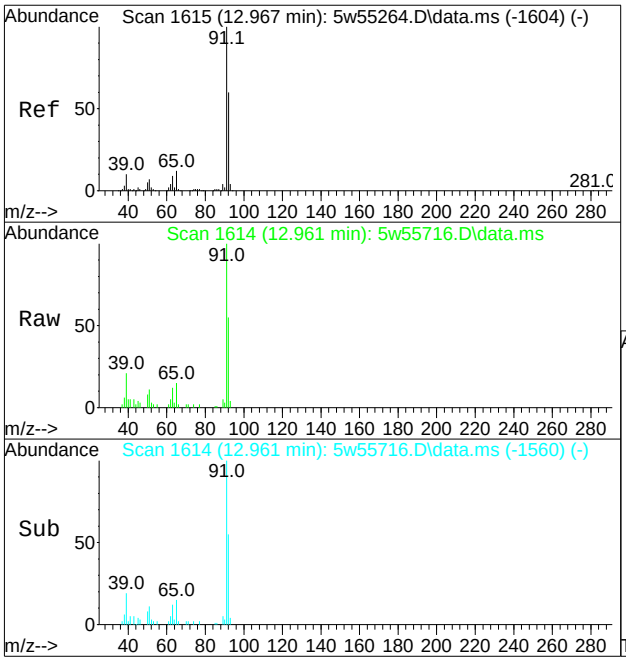




#62
HEPTANE
Concen: 0.3388 PPBV
RT: 11.034 min Scan# 1299
Delta R.T. 0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 43 Resp: 10458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 49.2 | 27.2 | 87.2 |
| 57 | 46.3 | 22.5 | 82.5 |

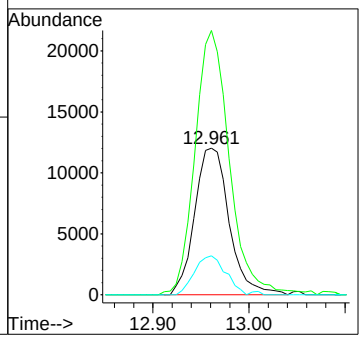


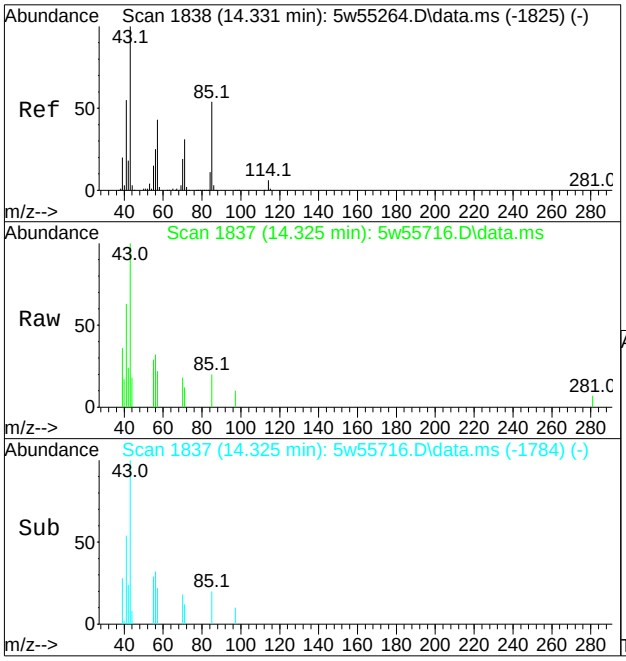



#66
TOLUENE
Concen: 0.7380 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 92 Resp: 30035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.9 | 143.4 | 203.4 |
| 65 | 24.0 | 0.0 | 53.8 |

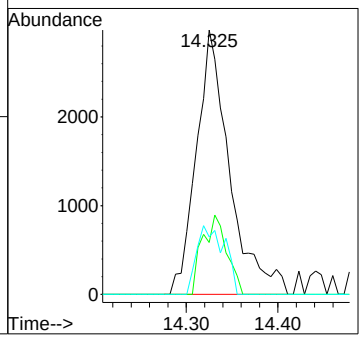


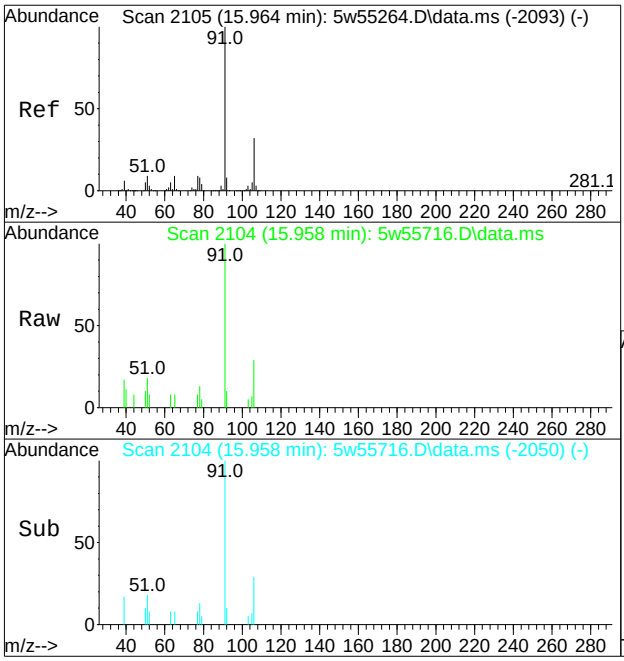




#76
OCTANE
Concen: 0.1713 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 43 Resp: 7534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 21.9 | 13.7 | 73.7 |
| 57 | 21.6 | 9.9 | 69.9 |

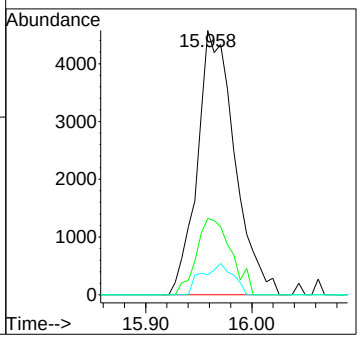


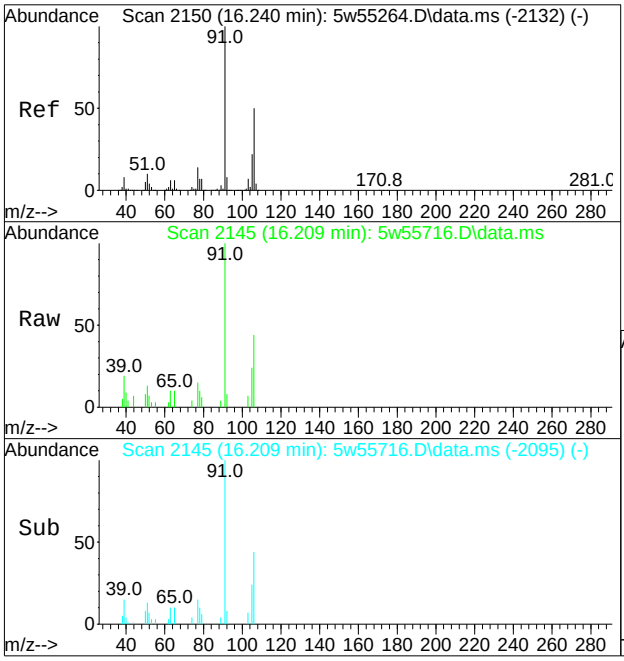



#79
ETHYLBENZENE
Concen: 0.1210 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion: 91 Resp: 11167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.9 | 0.0 | 59.9 |
| 77 | 9.8 | 0.0 | 39.1 |

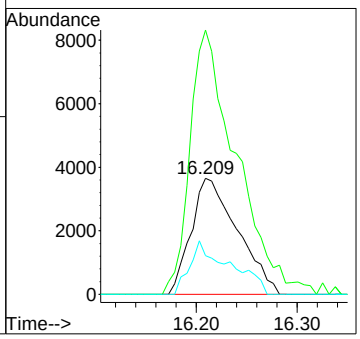


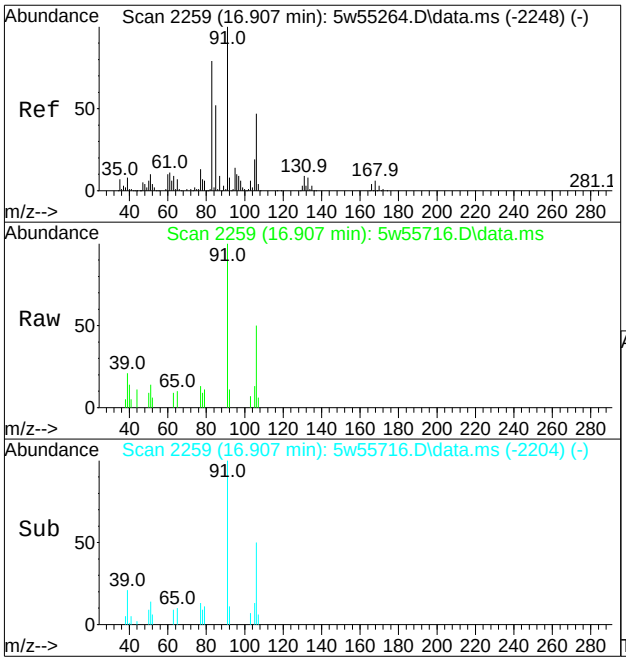




#80
m,p-XYLENE
Concen: 0.3334 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:106 Resp: 11676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.9 | 181.2 | 241.2 |
| 77 | 33.4 | 0.1 | 60.1 |

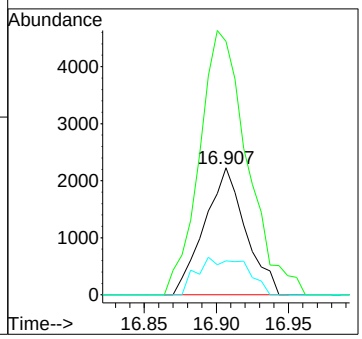


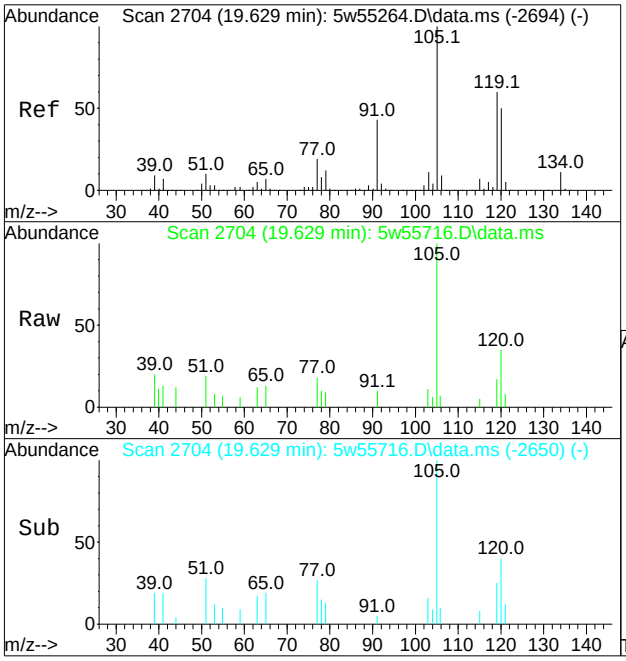



#81
o-XYLENE
Concen: 0.1301 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:106 Resp: 4422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 242.7 | 193.4 | 253.4 |
| 77 | 35.7 | 0.0 | 59.8 |

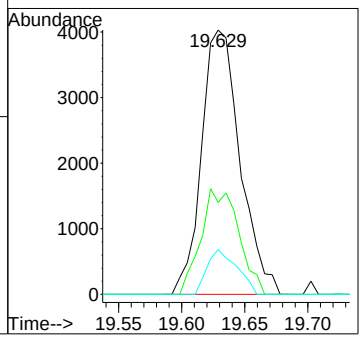



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.0984 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55716.D
Acq: 18 Dec 2024 8:40 am

Tgt Ion:105 Resp: 8564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 39.0 | 22.6 | 82.6 |
| 119 | 13.1 | 69.7 | 129.7# |




7.1.3

7

# Manual Integration Approval Summary



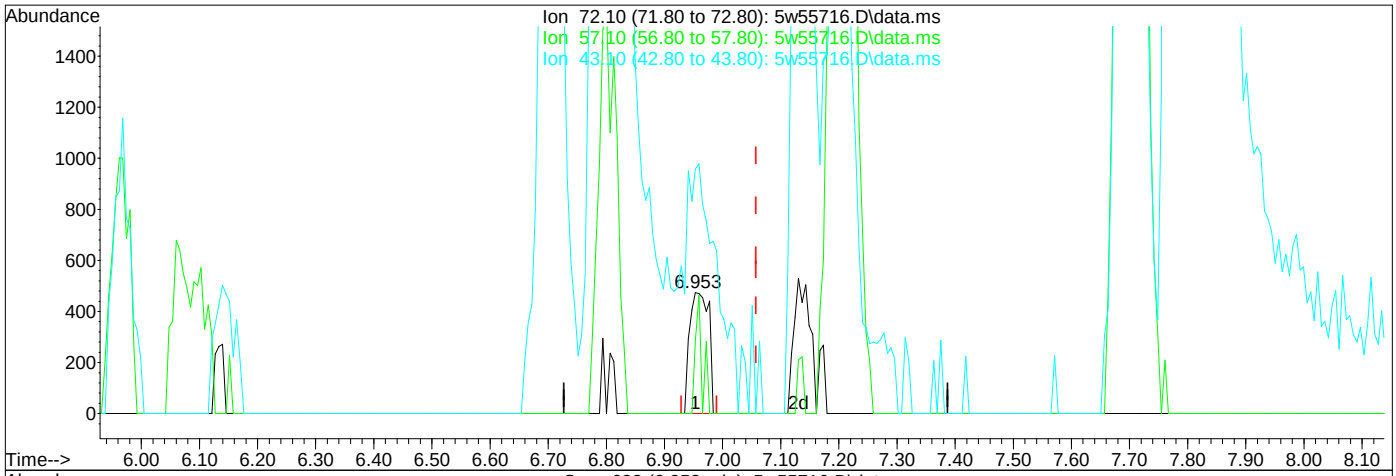
**Sample Number:** JE2488-2
**Lab FileID:** 5W55716.D
**Injection Time:** 12/18/24 08:40
**Method:** TO-15
**Analyst approved:** 12/18/24 15:07 Geralyn Gomez
**Supervisor approved:** 12/20/24 20:05 Kanya Veerawat

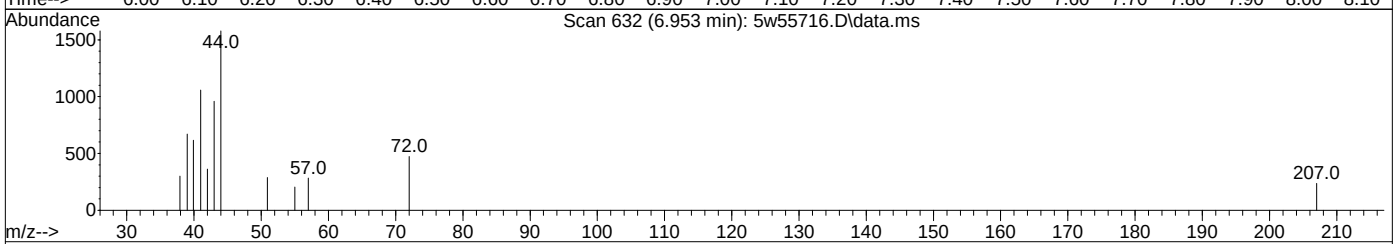
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | | 7.13 | Missed peak |

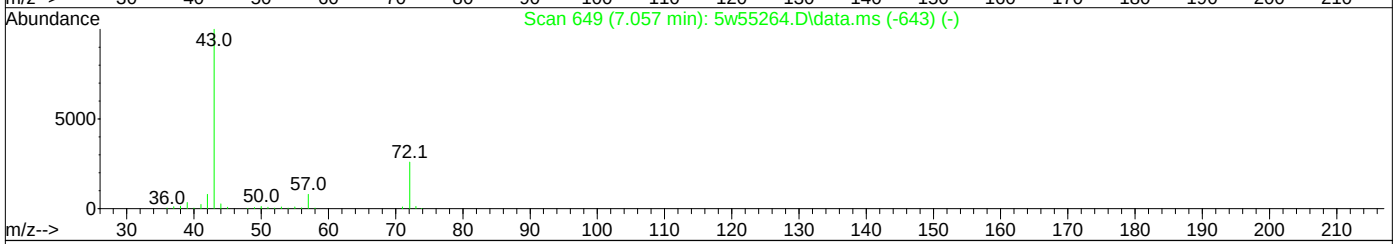
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55716.D
Acq On : 18 Dec 2024 8:40 am
Operator : thomash
Sample : je2488-2 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 18:36:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55716.D\data.ms

(41) METHYL ETHYL KETONE

6.953min (-0.104) 0.16PPBV

response 1079

| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 59.83 |
| 43.10 | 420.60 | 202.75# |
| 0.00 | 0.00 | 0.00 |



5W55716.D edits: METHYL ETHYL KETONE

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

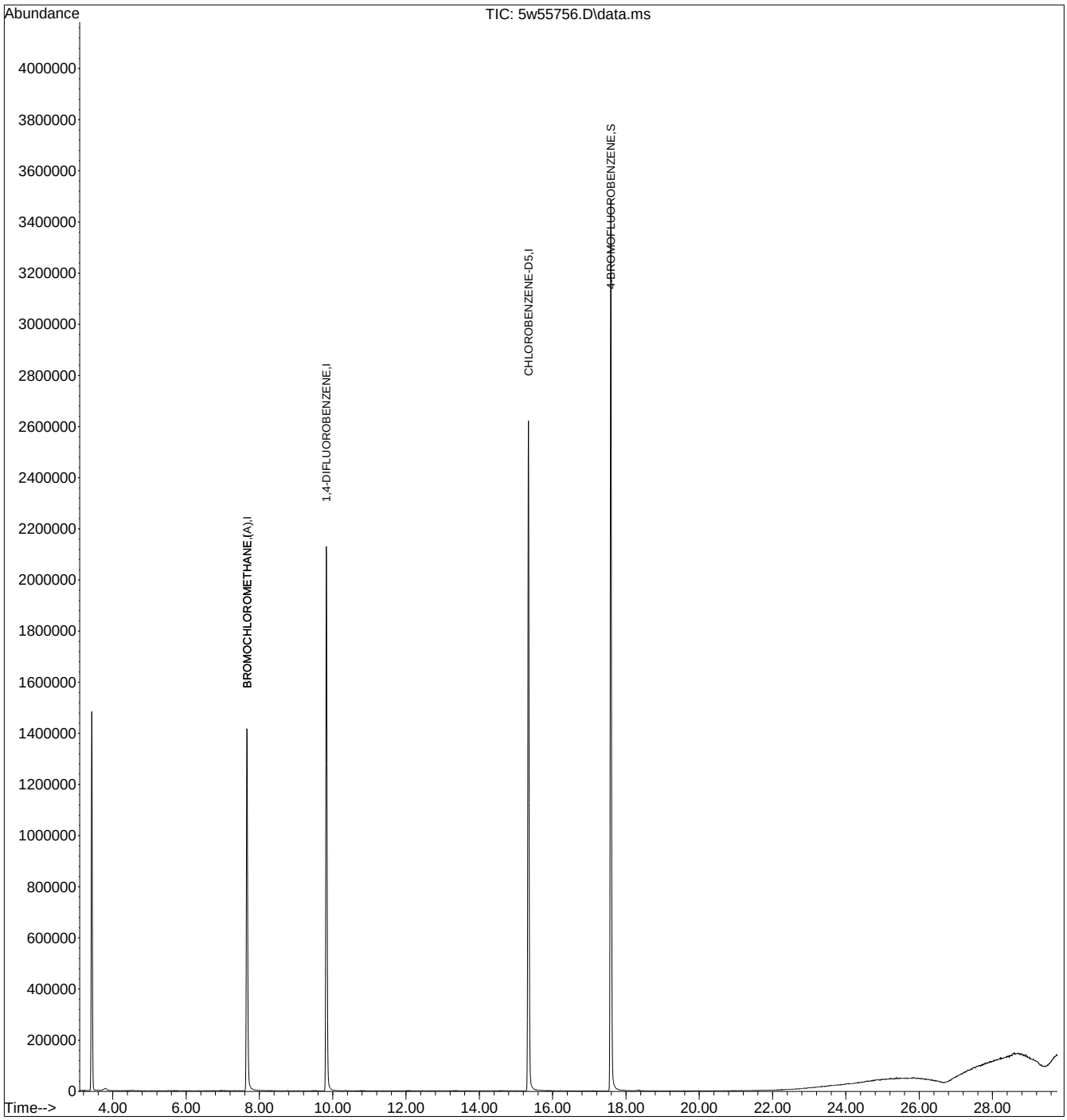
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 391902 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1871565 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 1053026 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 391902 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1278640 | 10.85 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.50% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 58077 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 294303 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 263172 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 58077 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 180668 | 9.36 | PPBV | 0.00 |

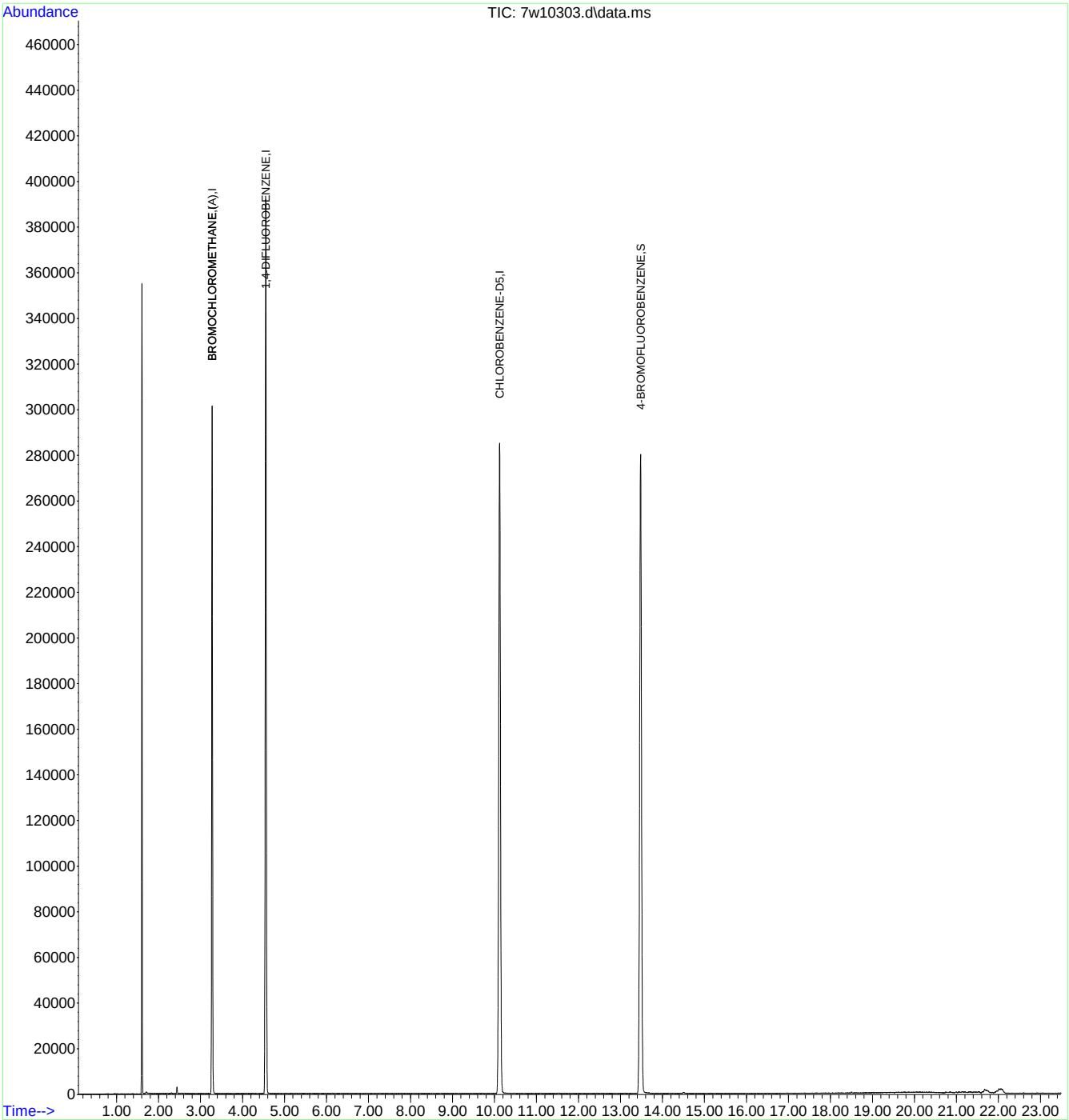
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327182 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 306459 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 198631 | 8.84 | PPBV | 0.00 |

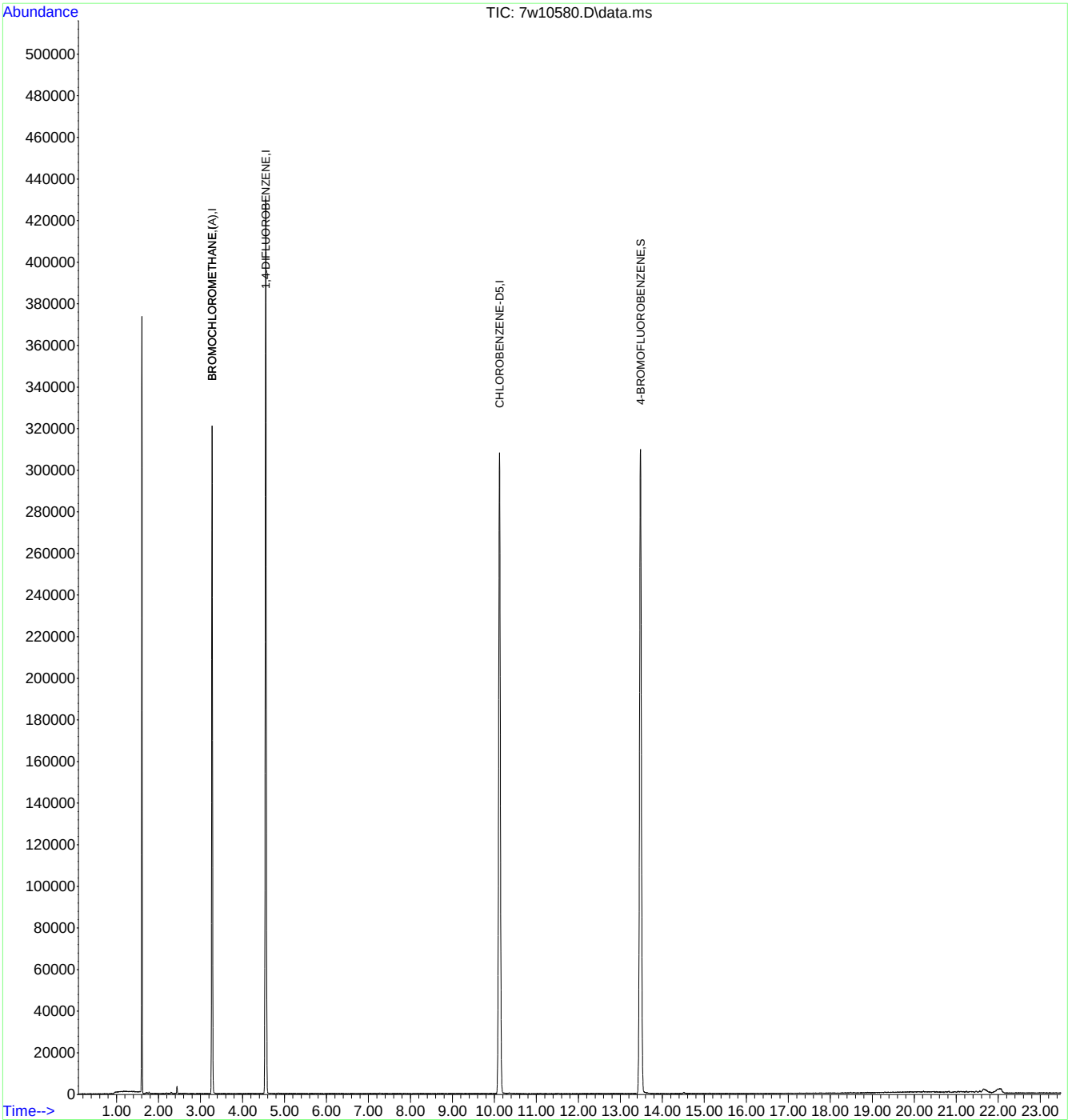
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 331289 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1550914 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 964726 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 331289 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1072937 | 9.94 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.40% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 573277 | 12.6416 | PPBV | 88 |
| 3) FREON 152A | 3.539 | 65 | 306831 | 12.5184 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 169341 | 13.3243 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 594745 | 10.3681 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1523453 | 12.5836 | PPBV | 99 |
| 7) PROPYLENE | 3.595 | 41 | 390945 | 12.8213 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1492563 | 12.0389 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1750967 | 11.7908 | PPBV | 96 |
| 10) CHLOROMETHANE | 3.766 | 52 | 161585 | 10.3499 | PPBV | 98 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 577414 | 10.5028 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 371741 | 10.0758 | PPBV # | 82 |
| 13) n-BUTANE | 4.059 | 43 | 756300 | 10.6860 | PPBV | 97 |
| 14) BROMOMETHANE | 4.225 | 94 | 576574 | 9.9528 | PPBV | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 253692 | 10.0982 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1340979 | 10.7985 | PPBV | 98 |
| 17) ACETONITRILE | 4.610 | 41 | 416298 | 10.1831 | PPBV | 97 |
| 18) ACROLEIN | 4.708 | 56 | 192537 | 10.7853 | PPBV | 99 |
| 19) FREON 123 | 4.726 | 83 | 1367953 | 10.9452 | PPBV | 100 |
| 20) FREON 123A | 4.769 | 117 | 729979 | 10.9844 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1417894 | 12.6733 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 920681 | 12.9879 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 209432 | 7.8381 | PPBV # | 71 |
| 24) PENTANE | 5.228 | 42 | 481519 | 13.6738 | PPBV | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 1265240 | 13.5561 | PPBV | 97 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 418035 | 12.0554 | PPBV | 90 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1329330 | 13.2504 | PPBV | 97 |
| 28) ETHANOL | 4.445 | 45 | 256089 | 9.8571 | PPBV | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 540944 | 10.9614 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 287147 | 10.3453 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 401893 | 11.5662 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 216007 | 13.4816 | PPBV # | 86 |
| 33) FREON 113 | 5.809 | 151 | 769854 | 13.3535 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 439462 | 11.9929 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 869981 | 13.0465 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1330725 | 14.1683 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 209944 | 14.6021 | PPBV | 91 |
| 38) HEXANE | 7.693 | 57 | 696549 | 13.4190 | PPBV | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 82324 | 13.8755 | PPBV # | 73 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 876441 | 12.8691 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.045 | 72 | 221068 | 15.3837 | PPBV # | 77 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 465890 | 12.2529 | PPBV | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 211689 | 13.4254 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.742 | 61 | 160261 | 15.1179 | PPBV # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 898044 | 14.2313 | PPBV | 98 |
| 46) CHLOROFORM | 7.803 | 83 | 1118770 | 13.1550 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 791205 | 13.9375 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1107670 | 12.8272 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 1168902 | 12.8078 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.599 | 62 | 795225 | 14.3761 | PPBV | | 98 |
| 52) BENZENE | 9.388 | 78 | 1424224 | 12.6696 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.694 | 84 | 555579 | 13.1570 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 299876 | 13.1534 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.642 | 95 | 675394 | 11.3966 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.355 | 63 | 559040 | 11.7164 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.330 | 174 | 771088 | 13.2917 | PPBV | | 87 |
| 58) ETHYL ACRYLATE | 10.404 | 55 | 1102604 | 14.6490 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.599 | 83 | 1317511 | 12.7310 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2207810 | 12.9334 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 10.660 | 88 | 323180 | 12.3453 | PPBV | # | 74 |
| 62) HEPTANE | 11.021 | 43 | 847314 | 14.2110 | PPBV | | 94 |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 534672 | 14.3070 | PPBV | | 93 |
| 64) METHYL ISOBUTYL KETONE | 11.786 | 58 | 432212 | 13.6054 | PPBV | # | 82 |
| 65) cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 976729 | 13.4752 | PPBV | | 92 |
| 66) TOLUENE | 12.955 | 92 | 934740 | 11.8883 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 13.004 | 76 | 874822 | 12.6469 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 888253 | 13.3140 | PPBV | | 93 |
| 69) 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 572175 | 12.0464 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.352 | 58 | 623728 | 13.7053 | PPBV | | 83 |
| 72) ETHYL METHACRYLATE | 13.383 | 69 | 906512 | 13.6042 | PPBV | | 93 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 783443 | 12.4330 | PPBV | | 84 |
| 74) DIBROMOCHLOROMETHANE | 13.505 | 129 | 1156334 | 11.2855 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.817 | 107 | 979094 | 11.5238 | PPBV | | 100 |
| 76) OCTANE | 14.325 | 43 | 1214425 | 14.3318 | PPBV | | 93 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 743730 | 10.5127 | PPBV | | 90 |
| 78) CHLOROBENZENE | 15.402 | 112 | 1277849 | 10.2892 | PPBV | | 93 |
| 79) ETHYLBENZENE | 15.952 | 91 | 2189426 | 12.3098 | PPBV | | 97 |
| 80) m,p-XYLENE | 16.228 | 106 | 1535925 | 22.7585 | PPBV | | 92 |
| 81) o-XYLENE | 16.894 | 106 | 762874 | 11.6452 | PPBV | | 93 |
| 82) STYRENE | 16.748 | 104 | 1171200 | 12.4647 | PPBV | | 96 |
| 83) NONANE | 17.304 | 43 | 1259621 | 14.2444 | PPBV | | 97 |
| 84) BROMOFORM | 16.283 | 173 | 1600768 | 15.2699 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1559873 | 11.8461 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1093191 | 11.4979 | PPBV | | 94 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2200760 | 10.8567 | PPBV | | 96 |
| 89) BROMOBENZENE | 17.904 | 77 | 1282880 | 11.2053 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 18.540 | 126 | 528621 | 10.4084 | PPBV | | 99 |
| 91) n-PROPYLBENZENE | 18.632 | 120 | 564991 | 10.9943 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2238489 | 11.9649 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1871518 | 11.7052 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.250 | 118 | 881797 | 10.2169 | PPBV | | 97 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 379733 | 10.8779 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2055685 | 12.2541 | PPBV | | 97 |
| 97) m-DICHLOROBENZENE | 19.813 | 146 | 1477258 | 11.1837 | PPBV | | 98 |
| 98) BENZYL CHLORIDE | 19.806 | 91 | 2063632 | 11.4609 | PPBV | | 97 |
| 99) p-DICHLOROBENZENE | 19.917 | 146 | 1427080 | 11.5719 | PPBV | | 98 |
| 100) sec-BUTYLBENZENE | 20.014 | 134 | 452061 | 10.8538 | PPBV | # | 87 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1979676 | 11.6194 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 527319 | 10.7725 | PPBV | | 95 |
| 103) o-DICHLOROBENZENE | 20.400 | 146 | 1332025 | 11.1087 | PPBV | | 98 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 505591 | 11.2282 | PPBV | # | 77 |
| 105) HEXACHLOROETHANE | 21.311 | 117 | 1029609 | 12.2664 | PPBV | # | 82 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 1817180 | 16.1085 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1514807 | 14.1783 | PPBV | | 96 |
| 108) NAPHTHALENE | 22.878 | 128 | 2501215 | 10.6653 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.222 | TIC | 3111589 | 11.9977 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

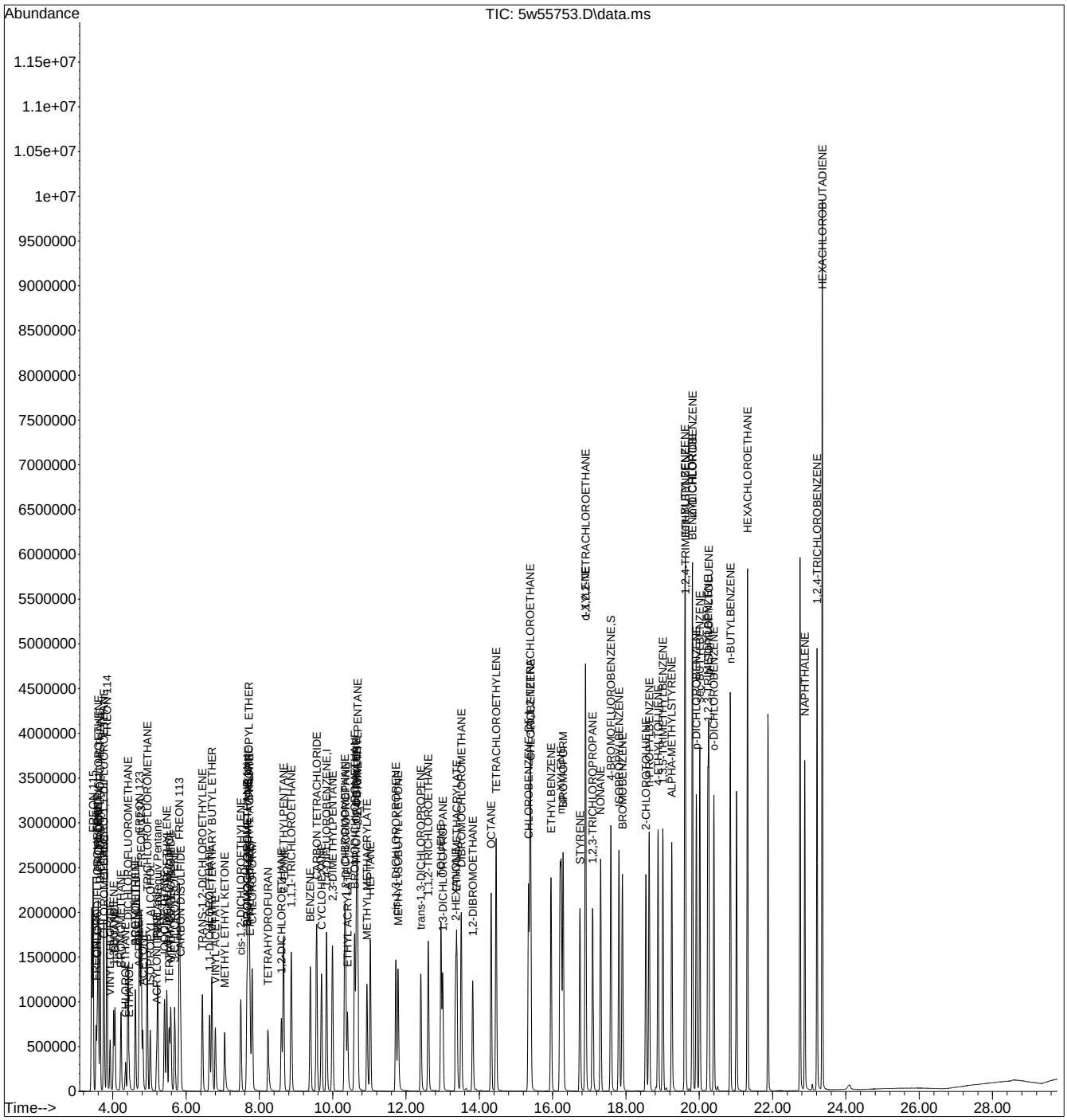
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 13:22

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 334718 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1578242 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 998402 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 334718 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1089374 | 9.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 97.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 596554 | 13.0201 | PPBV | 87 |
| 3) FREON 152A | 3.546 | 65 | 317020 | 12.8016 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 177041 | 13.7874 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 610541 | 10.5344 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1543474 | 12.6183 | PPBV | 99 |
| 7) PROPYLENE | 3.601 | 41 | 406637 | 13.1993 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1532347 | 12.2332 | PPBV | 97 |
| 9) FREON 114 | 3.846 | 85 | 1781524 | 11.8736 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.772 | 52 | 169609 | 10.7525 | PPBV | 98 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 594345 | 10.7001 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390048 | 10.4637 | PPBV # | 83 |
| 13) n-BUTANE | 4.066 | 43 | 800595 | 11.1959 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 589799 | 10.0768 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 261015 | 10.2832 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1369661 | 10.9165 | PPBV | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 438216 | 10.6094 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 197915 | 10.9730 | PPBV | 99 |
| 19) FREON 123 | 4.733 | 83 | 1380787 | 10.9347 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 729158 | 10.8597 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1424396 | 12.6010 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 933297 | 13.0310 | PPBV | 97 |
| 23) ACETONE | 4.824 | 58 | 222539 | 8.2433 | PPBV # | 77 |
| 24) PENTANE | 5.234 | 42 | 494707 | 13.9044 | PPBV | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1279688 | 13.5704 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 429965 | 12.2724 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1346599 | 13.2850 | PPBV | 96 |
| 28) ETHANOL | 4.457 | 45 | 268020 | 10.2107 | PPBV | 98 |
| 29) BROMOETHENE | 4.622 | 106 | 540391 | 10.8380 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.204 | 52 | 290405 | 10.3555 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 409880 | 11.6752 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 217645 | 13.4446 | PPBV # | 83 |
| 33) FREON 113 | 5.822 | 151 | 769196 | 13.2054 | PPBV | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 440997 | 11.9115 | PPBV | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 886946 | 13.1647 | PPBV | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1356308 | 14.2927 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 216813 | 14.9253 | PPBV | 90 |
| 38) HEXANE | 7.706 | 57 | 713292 | 13.6008 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 82555 | 13.7719 | PPBV # | 71 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 894720 | 13.0030 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 225946 | 15.5620 | PPBV # | 80 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 479874 | 12.4914 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 216772 | 13.6070 | PPBV # | 80 |
| 44) ETHYL ACETATE | 7.749 | 61 | 162663 | 15.1873 | PPBV # | 97 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 928736 | 14.5669 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1150700 | 13.3919 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 815133 | 14.2120 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1141944 | 13.0887 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 1196295 | 12.9737 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 820332 | 14.6780 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1461963 | 12.7801 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 563154 | 13.1055 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 310279 | 13.3740 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 695190 | 11.5275 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 573976 | 11.8211 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 781663 | 13.2407 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1133939 | 14.8044 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1355094 | 12.8675 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 2272009 | 13.0790 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 328920 | 12.3470 | PPBV | # | 81 |
| 62) | HEPTANE | 11.028 | 43 | 875636 | 14.4317 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 547111 | 14.3864 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 444776 | 13.7585 | PPBV | # | 82 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 1004290 | 13.6155 | PPBV | | 92 |
| 66) | TOLUENE | 12.961 | 92 | 959573 | 11.9928 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 897827 | 12.7547 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 917027 | 13.5073 | PPBV | | 93 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 589405 | 12.1943 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.359 | 58 | 643496 | 13.6628 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 945921 | 13.7168 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 788820 | 12.0961 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1198818 | 11.3055 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 1017513 | 11.5720 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1266830 | 14.4460 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 765756 | 10.4590 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1322389 | 10.2887 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 2252022 | 12.2346 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1580640 | 22.6311 | PPBV | | 94 |
| 81) | o-XYLENE | 16.901 | 106 | 777170 | 11.4633 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1207110 | 12.4136 | PPBV | | 96 |
| 83) | NONANE | 17.311 | 43 | 1308298 | 14.2958 | PPBV | | 96 |
| 84) | BROMOFORM | 16.289 | 173 | 1650228 | 15.2107 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1606773 | 11.7907 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1133738 | 11.5221 | PPBV | | 93 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2244223 | 10.6977 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1325235 | 11.1848 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 537601 | 10.2281 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 580652 | 10.9179 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2326144 | 12.0141 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1916779 | 11.5839 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 907572 | 10.1609 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 389822 | 10.7903 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2101978 | 12.1074 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1518489 | 11.1081 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2117221 | 11.3619 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1439305 | 11.2773 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 456269 | 10.5854 | PPBV | # | 86 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2022221 | 11.4688 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 537947 | 10.6190 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1343262 | 10.8246 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 512086m | 10.9888 | PPBV | | |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 1040774 | 11.9812 | PPBV | # | 82 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1833419 | 15.7043 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1494212 | 13.5138 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2490761 | 10.2625 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 3173065 | 12.1094 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

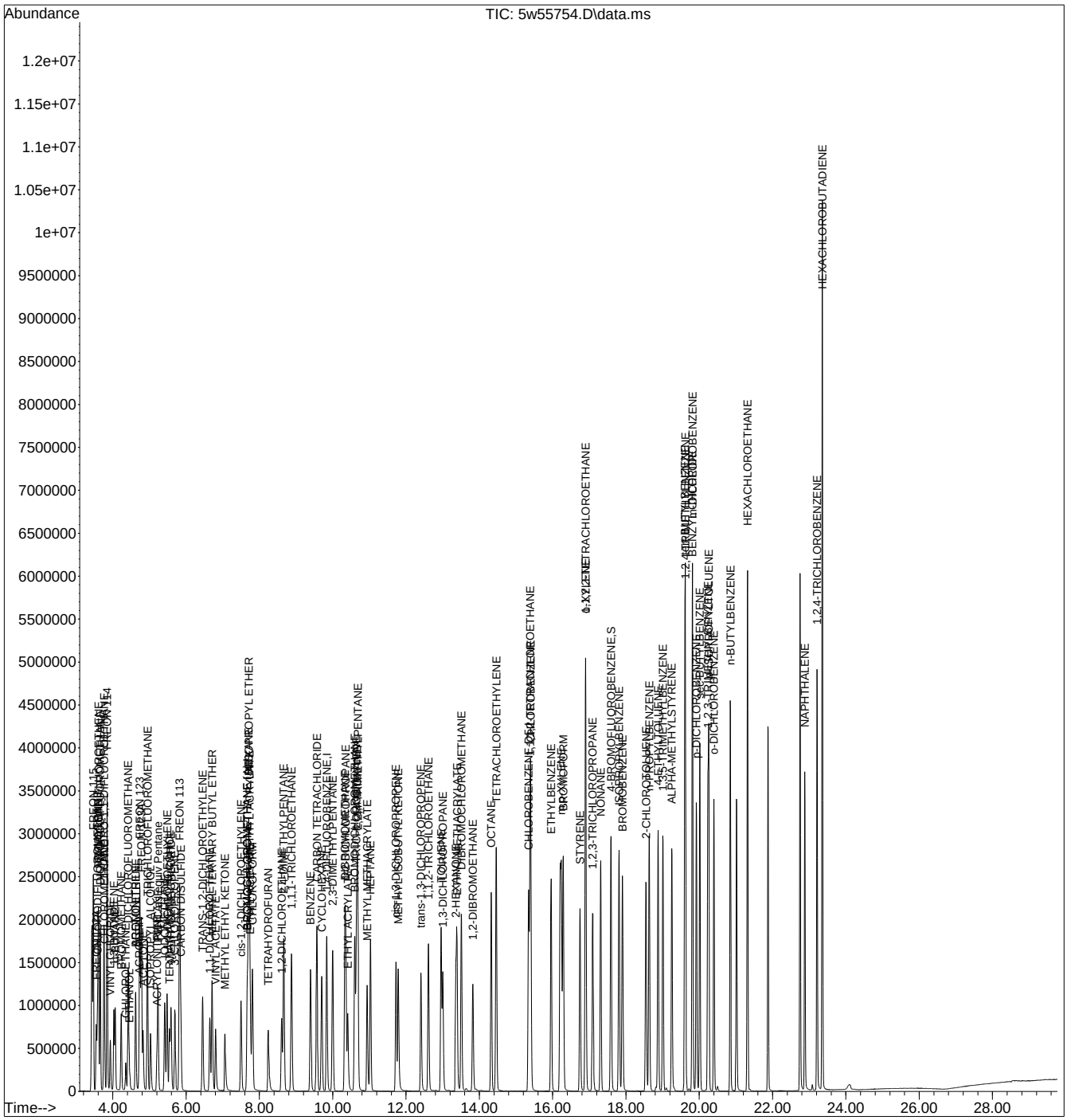
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



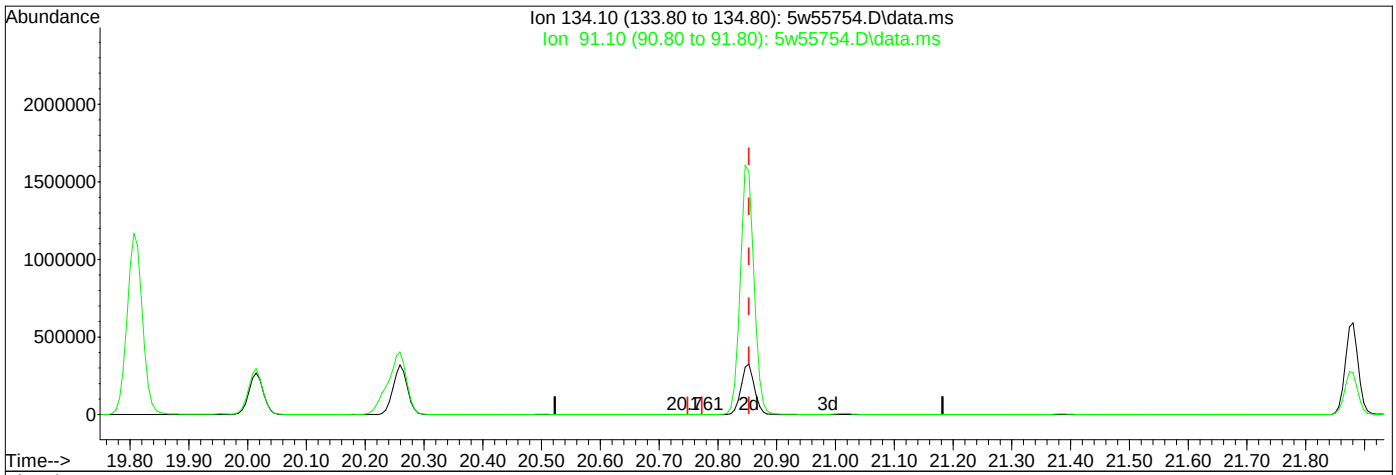
**Sample Number:** V5W2135-BSD
**Lab FileID:** 5W55754.D
**Injection Time:** 12/19/24 18:00
**Method:** TO-15
**Analyst approved:** 12/20/24 11:54 Geralyn Gomez
**Supervisor approved:** 12/20/24 13:22 Kanya Veerawat

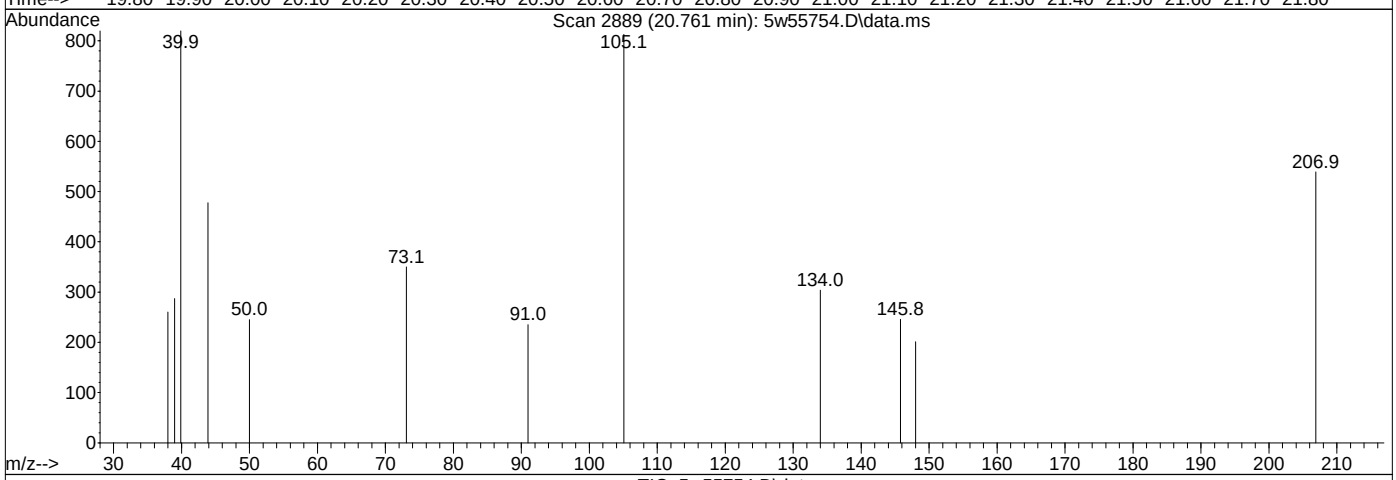
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| n-Butylbenzene | 104-51-8 | | 20.85 | Missed peak |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.761min (-0.092) 0.00PPBV

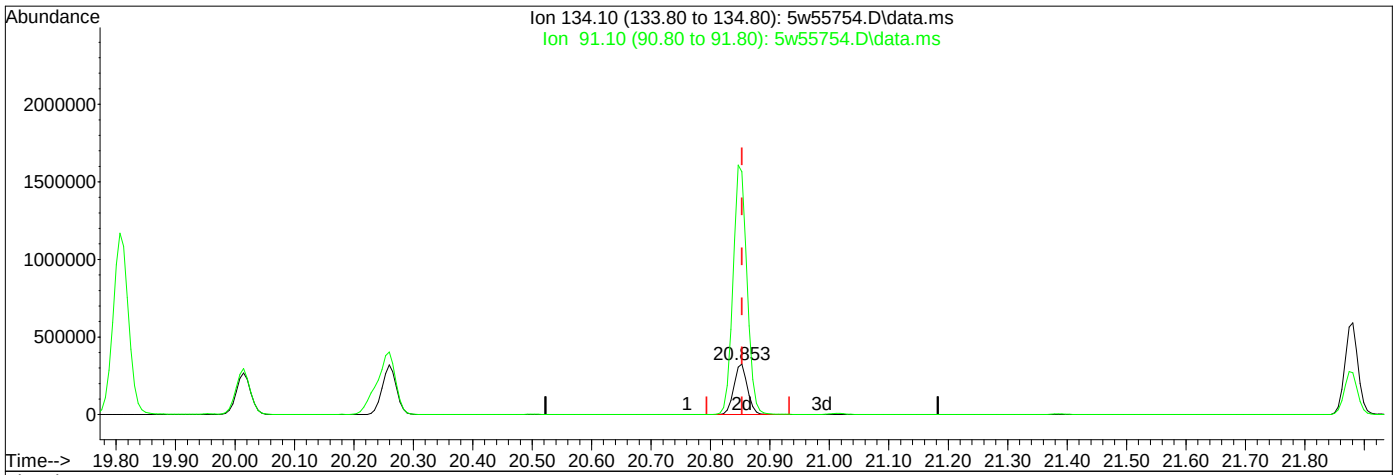
response 112

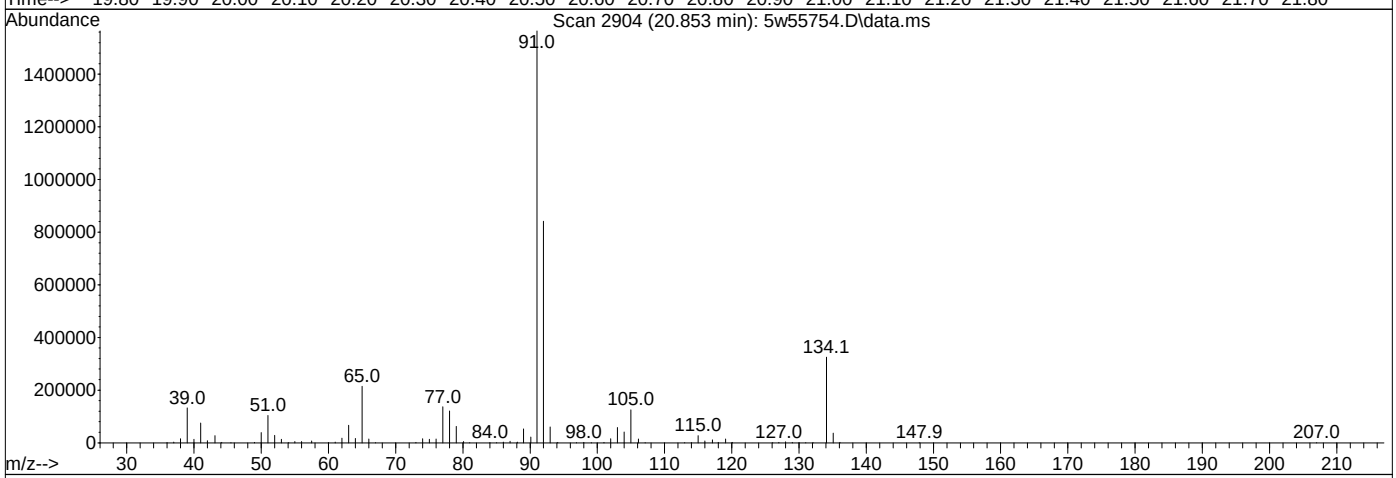
| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 91.10 | 447.00 | 464.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.853min (+0.000) 10.99PPBV m

response 512086

| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 91.10 | 447.00 | 0.10# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 55418 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 277611 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 253160 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 55418 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 177508 | 9.56 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 101689 | 14.3078 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 55097 | 14.3607 | PPBV | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21774 | 11.7686 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112246 | 12.4825 | PPBV | 74 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 235902 | 10.6156 | PPBV | 97 |
| 7) PROPYLENE | 1.673 | 41 | 73946 | 13.9268 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 166301 | 8.9382 | PPBV | 95 |
| 9) FREON 114 | 1.766 | 85 | 198006 | 10.4747 | PPBV | 99 |
| 10) CHLOROMETHANE | 1.737 | 52 | 28438 | 9.8802 | PPBV | 97 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 96261 | 10.8774 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 80883 | 11.2419 | PPBV | 89 |
| 13) N-BUTANE | 1.853 | 43 | 145108 | 11.0439 | PPBV | 100 |
| 14) BROMOMETHANE | 1.914 | 94 | 69803 | 9.8640 | PPBV | 100 |
| 15) CHLOROETHANE | 1.962 | 64 | 49710 | 10.9679 | PPBV | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 179148 | 10.3423 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 88317 | 10.2651 | PPBV | 98 |
| 18) ACROLEIN | 2.097 | 56 | 46149 | 10.6841 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 182604 | 10.3742 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 106047 | 10.5031 | PPBV | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 192934 | 9.6817 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 192983 | 10.2814 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 52190 | 10.2028 | PPBV | 76 |
| 24) PENTANE | 2.312 | 42 | 107328 | 11.2569 | PPBV | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 177911 | 10.3499 | PPBV | 94 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 74370 | 10.0290 | PPBV | 99 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 203581 | 9.4204 | PPBV | 94 |
| 28) ETHANOL | 1.997 | 45 | 52029 | 10.1448 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 70924 | 10.4799 | PPBV | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 73795 | 10.6068 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 67687 | 8.8687 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 36598 | 9.3712 | PPBV | 87 |
| 33) FREON 113 | 2.531 | 151 | 108355 | 9.2848 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 81482 | 11.2666 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 170293 | 9.4518 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 221726 | 12.2027 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 42600 | 12.3040 | PPBV | 98 |
| 38) HEXANE | 3.325 | 57 | 178660 | 11.8122 | PPBV | 90 |
| 39) VINYL ACETATE | 2.907 | 86 | 20078 | 12.1383 | PPBV | 88 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 173735 | 12.8917 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 45862 | 12.4430 | PPBV | 95 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 88547 | 11.5448 | PPBV | 97 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 49468 | 12.5693 | PPBV | 92 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36564 | 12.6496 | PPBV | 77 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 208972 | 12.6138 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 171173 | 11.0351 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 206467 | 12.7611 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 164154 | 11.6253 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 169494 | 12.2285 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 130309 | 11.0766 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 270558 | 11.8519 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 116935 | 11.9259 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 63992 | 12.7442 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 115688 | 10.8806 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 118812 | 12.5612 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 96539 | 10.8203 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 256350 | 12.6248 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 184430 | 11.3033 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 562880 | 12.5262 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 66447 | 11.4187 | PPBV | # | 93 |
| 62) | HEPTANE | 5.537 | 43 | 193898 | 12.2916 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 105889 | 12.4688 | PPBV | | 96 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 110377 | 11.3662 | PPBV | | 92 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 157761 | 13.0147 | PPBV | | 88 |
| 66) | TOLUENE | 7.267 | 91 | 324157 | 10.9745 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 163792 | 11.2868 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 128306 | 12.9035 | PPBV | | 87 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 95574 | 11.8351 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.849 | 58 | 157045 | 10.5961 | PPBV | | 89 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 172865 | 12.3089 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 117296 | 11.1141 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 180107 | 11.6424 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 168106 | 11.8166 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 268046 | 11.2960 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 128786 | 11.8616 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 255738 | 10.4357 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 425536 | 10.5932 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.508 | 91 | 654142 | 20.6156 | PPBV | | 100 |
| 81) | O-XYLENE | 12.444 | 91 | 330597 | 10.3776 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 258504 | 11.2153 | PPBV | | 98 |
| 83) | NONANE | 13.566 | 43 | 276767 | 10.9853 | PPBV | | 96 |
| 84) | BROMOFORM | 11.315 | 173 | 163001 | 11.8320 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 245760 | 10.9525 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 190960 | 10.5383 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 124352 | 10.3055 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.823 | 77 | 233548 | 10.2309 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 111484 | 10.0782 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 129897 | 10.4546 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.736 | 105 | 478052 | 10.8672 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 385407 | 10.4126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 196545 | 9.9934 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 92704 | 10.4702 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 396343 | 10.2469 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 224654 | 19.9592 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 262672 | 10.1758 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 266597 | 10.4129 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 247177 | 9.9989 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 116410 | 10.4464 | PPBV | | 97 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.994 | 105 | 386914 | 9.8803 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 126053 | 10.1372 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 125350 | 10.1557 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 146412 | 12.2228 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 198067 | 10.6641 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 250949 | 10.1410 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 585806 | 9.0609 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 495702 | 10.3057 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

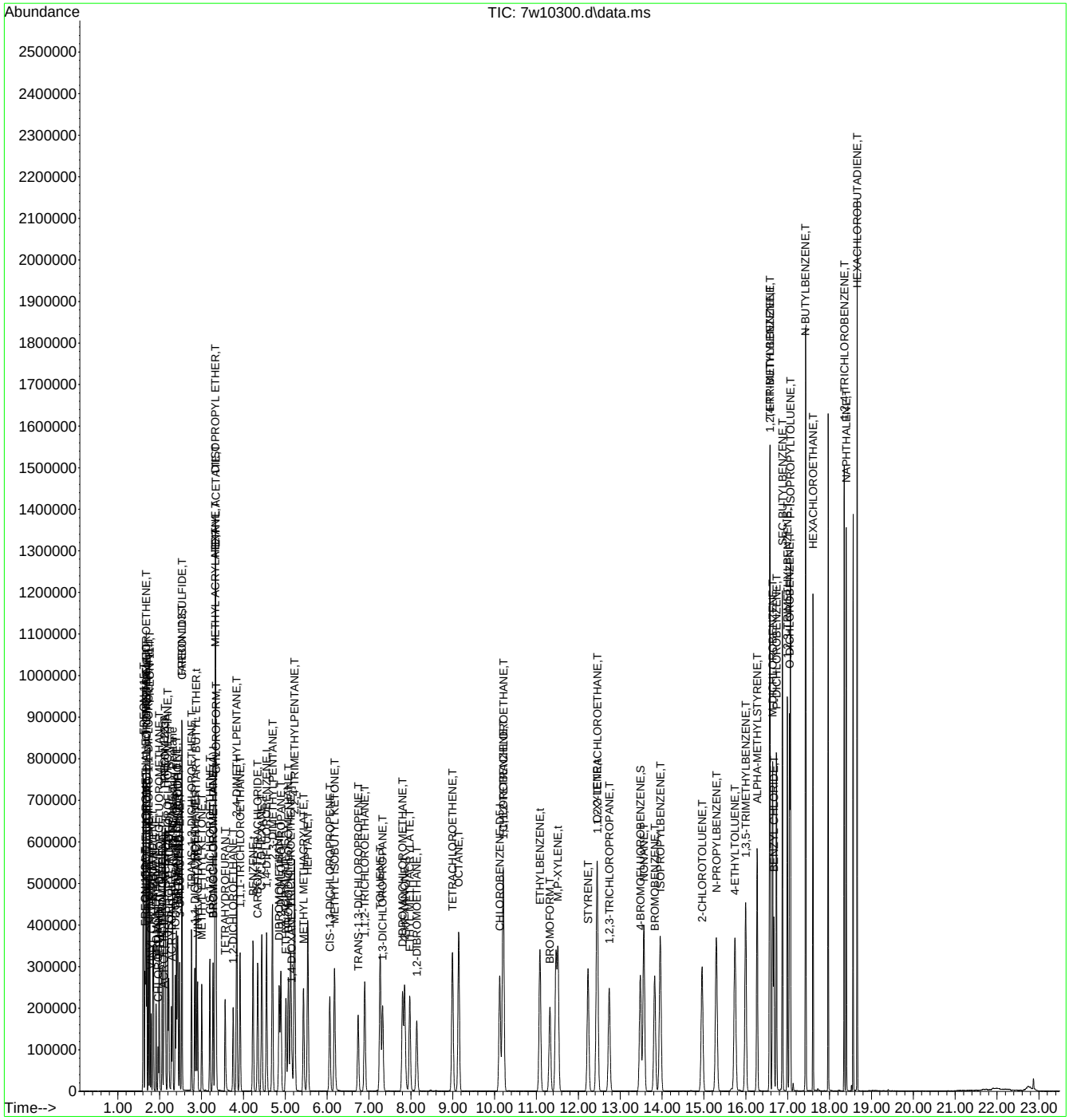
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55927 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.557 | 114 | 282163 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 256452 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55927 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 180237 | 9.58 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 101219 | 14.1121 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 55279 | 14.2770 | PPBV | 89 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21660 | 11.6004 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112336 | 12.3788 | PPBV | 73 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 233527 | 10.4131 | PPBV | 97 |
| 7) PROPYLENE | 1.672 | 41 | 74092 | 13.8272 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 164409 | 8.7561 | PPBV | 95 |
| 9) FREON 114 | 1.766 | 85 | 197481 | 10.3518 | PPBV | 100 |
| 10) CHLOROMETHANE | 1.737 | 52 | 27929 | 9.6150 | PPBV | 95 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95894 | 10.7373 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 80272 | 11.0554 | PPBV | 89 |
| 13) N-BUTANE | 1.852 | 43 | 141888 | 10.7005 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 68501 | 9.5919 | PPBV | 98 |
| 15) CHLOROETHANE | 1.965 | 64 | 49722 | 10.8707 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 178775 | 10.2268 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 87064 | 10.0274 | PPBV | 97 |
| 18) ACROLEIN | 2.097 | 56 | 45664 | 10.4756 | PPBV | 99 |
| 19) FREON 123 | 2.113 | 83 | 181231 | 10.2025 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 106742 | 10.4757 | PPBV | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 191184 | 9.5065 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 188362 | 9.9439 | PPBV | 97 |
| 23) ACETONE | 2.139 | 58 | 52793 | 10.2267 | PPBV | 74 |
| 24) PENTANE | 2.312 | 42 | 107178 | 11.1388 | PPBV | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 179098 | 10.3241 | PPBV | 93 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 74256 | 9.9225 | PPBV | 99 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 202039 | 9.2639 | PPBV | 94 |
| 28) ETHANOL | 1.997 | 45 | 51138 | 9.8803 | PPBV | 97 |
| 29) BROMOETHENE | 2.068 | 106 | 70001 | 10.2494 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.283 | 52 | 74228 | 10.5719 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 67346 | 8.7437 | PPBV | 95 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 36384 | 9.2316 | PPBV | 87 |
| 33) FREON 113 | 2.534 | 151 | 109342 | 9.2841 | PPBV | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 82091 | 11.2475 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 172638 | 9.4947 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 224297 | 12.2318 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 42541 | 12.1751 | PPBV | 97 |
| 38) HEXANE | 3.328 | 57 | 179766 | 11.7771 | PPBV | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 19989 | 11.9745 | PPBV | 93 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 173697 | 12.7715 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 46053 | 12.3811 | PPBV | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 89324 | 11.5402 | PPBV | 97 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 49620 | 12.4932 | PPBV | 90 |
| 44) ETHYL ACETATE | 3.338 | 61 | 35951 | 12.3244 | PPBV | 81 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 209227 | 12.5142 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 170603 | 10.8983 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 208245 | 12.7539 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 164373 | 11.5349 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 167938 | 12.0060 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.756 | 62 | 128929 | 10.8596 | PPBV | | 99 |
| 51) BENZENE | 4.232 | 78 | 272035 | 11.8082 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.441 | 84 | 117524 | 11.7926 | PPBV | | 90 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 64106 | 12.5610 | PPBV | | 95 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 117003 | 10.8268 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 119831 | 12.4646 | PPBV | | 95 |
| 57) DIBROMOMETHANE | 4.856 | 174 | 97631 | 10.7661 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 258323 | 12.5167 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.074 | 83 | 185916 | 11.2106 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 562540 | 12.3167 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 66401 | 11.2267 | PPBV | # | 95 |
| 62) HEPTANE | 5.540 | 43 | 194436 | 12.1268 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 5.438 | 69 | 105892 | 12.2680 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 111353 | 11.2817 | PPBV | | 91 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 157594 | 12.7911 | PPBV | | 88 |
| 66) TOLUENE | 7.270 | 91 | 328090 | 10.9285 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 165455 | 11.2175 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 128991 | 12.7631 | PPBV | | 87 |
| 69) 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 94854 | 11.5565 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.849 | 58 | 157600 | 10.4620 | PPBV | | 89 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 173719 | 12.1702 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 119162 | 11.1087 | PPBV | | 98 |
| 73) DIBROMOCHLOROMETHANE | 7.804 | 129 | 181111 | 11.5184 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 170072 | 11.7619 | PPBV | | 99 |
| 75) OCTANE | 9.145 | 43 | 267279 | 11.0820 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 130708 | 11.8840 | PPBV | | 95 |
| 78) CHLOROBENZENE | 10.199 | 112 | 257327 | 10.3658 | PPBV | | 99 |
| 79) ETHYLBENZENE | 11.084 | 91 | 431151 | 10.5952 | PPBV | | 98 |
| 80) M,P-XYLENE | 11.514 | 91 | 658914 | 20.4994 | PPBV | | 99 |
| 81) O-XYLENE | 12.444 | 91 | 335200 | 10.3870 | PPBV | | 100 |
| 82) STYRENE | 12.228 | 104 | 261312 | 11.1916 | PPBV | | 98 |
| 83) NONANE | 13.566 | 43 | 277555 | 10.8752 | PPBV | | 95 |
| 84) BROMOFORM | 11.322 | 173 | 164292 | 11.7726 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 247173 | 10.8741 | PPBV | | 98 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 191471 | 10.4309 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 126439 | 10.3440 | PPBV | | 95 |
| 89) BROMOBENZENE | 13.823 | 77 | 234228 | 10.1290 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 14.955 | 126 | 112034 | 9.9979 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.292 | 120 | 131707 | 10.4642 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.739 | 105 | 486164 | 10.9098 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 391683 | 10.4464 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 197794 | 9.9278 | PPBV | | 100 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 93923 | 10.4717 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 405590 | 10.3513 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 229895 | 20.1627 | PPBV | | 98 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 265683 | 10.1603 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 270019 | 10.4112 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 252169 | 10.0699 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 118899 | 10.5328 | PPBV | | 94 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 389415 | 9.8165 | PPBV | | 99 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 128329 | 10.1877 | PPBV | | 95 |
| 104) N-BUTYLBENZENE | 17.427 | 134 | 129087 | 10.3242 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 146474 | 12.0710 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 18.662 | 225 | 201713 | 10.7210 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 256863 | 10.2467 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.398 | 128 | 592835 | 9.0519 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 494716 | 10.1916 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

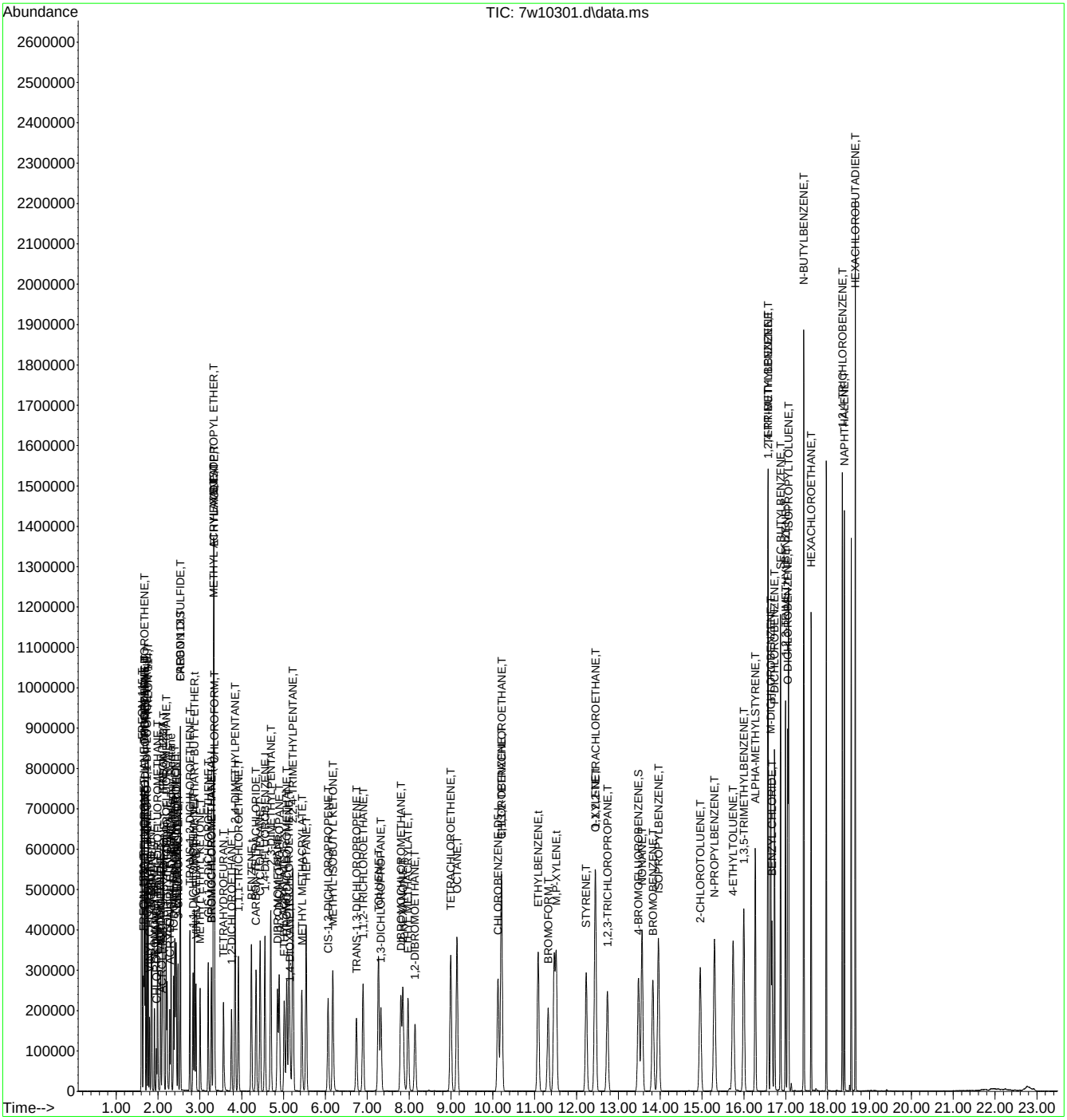
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 59927 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 307732 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 281115 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 59927 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 190904 | 9.26 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 110512 | 14.3793 | PPBV | 96 |
| 3) FREON 152A | 1.650 | 65 | 59070 | 14.2378 | PPBV | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22970 | 11.4809 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122529 | 12.6008 | PPBV | 73 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 255544 | 10.6343 | PPBV | 96 |
| 7) PROPYLENE | 1.670 | 41 | 76743 | 13.3660 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.731 | 65 | 172937 | 8.5955 | PPBV | 93 |
| 9) FREON 114 | 1.766 | 85 | 217219 | 10.6265 | PPBV | 95 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27200 | 8.7390 | PPBV | 94 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 99503 | 10.3978 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 80190 | 10.3069 | PPBV | 85 |
| 13) N-BUTANE | 1.853 | 43 | 127768 | 8.9925 | PPBV | 96 |
| 14) BROMOMETHANE | 1.914 | 94 | 78281 | 10.2297 | PPBV | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 51878 | 10.5850 | PPBV | 91 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 189308 | 10.1065 | PPBV | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 77908 | 8.3740 | PPBV | 98 |
| 18) ACROLEIN | 2.097 | 56 | 44203 | 9.4636 | PPBV | 96 |
| 19) FREON 123 | 2.113 | 83 | 201252 | 10.5734 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 125238 | 11.4705 | PPBV | 91 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 215086 | 9.9812 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 177899 | 8.7647 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 53254 | 9.6274 | PPBV | 66 |
| 24) PENTANE | 2.313 | 42 | 90696 | 8.7967 | PPBV | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 225162 | 12.1131 | PPBV | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.400 | 96 | 86229 | 10.7533 | PPBV | 85 |
| 27) CARBON DISULFIDE | 2.535 | 76 | 224756m | 9.6177 | PPBV | |
| 28) ETHANOL | 1.998 | 45 | 49449 | 8.9163 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83471 | 11.4058 | PPBV # | 97 |
| 30) ACRYLONITRILE | 2.281 | 52 | 69775 | 9.2744 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75329 | 9.1274 | PPBV | 80 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 39694 | 9.3992 | PPBV # | 62 |
| 33) FREON 113 | 2.535 | 151 | 140140 | 11.1049 | PPBV | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 91287 | 11.6726 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 176592 | 9.0639 | PPBV | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 239170 | 12.1723 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45330 | 12.1074 | PPBV | 96 |
| 38) HEXANE | 3.329 | 57 | 186212 | 11.3851 | PPBV | 88 |
| 39) VINYL ACETATE | 2.908 | 86 | 21657 | 12.1078 | PPBV | 77 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 181698 | 12.4681 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 48800 | 12.2439 | PPBV | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 94849 | 11.4360 | PPBV | 100 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52672 | 12.3764 | PPBV | 84 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36929 | 11.8146 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 215839 | 12.0480 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 181569 | 10.8246 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 215745 | 12.3313 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178620 | 11.6980 | PPBV | 96 |
| 49) CARBON TETRACHLORIDE | 4.342 | 117 | 186476 | 12.4415 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 135176 | 10.6258 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 285064 | 11.5478 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 123825 | 11.3925 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66437 | 11.9361 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 124837 | 10.5919 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.898 | 63 | 126622 | 12.0766 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110137 | 11.1361 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.017 | 55 | 267872 | 11.9010 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 198539 | 10.9770 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.223 | 57 | 587587 | 11.7962 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 68433 | 10.6089 | PPBV | # | 93 |
| 62) | HEPTANE | 5.541 | 43 | 196653 | 11.2460 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 110695 | 11.7588 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116018 | 10.7777 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167663 | 12.4777 | PPBV | | 86 |
| 66) | TOLUENE | 7.268 | 91 | 346089 | 10.5702 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 172835 | 10.7442 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139504 | 12.6564 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.895 | 83 | 101053 | 11.2887 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.853 | 58 | 162743 | 9.9058 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 180957 | 11.6239 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 134599 | 11.5053 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200804 | 11.7098 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 183640 | 11.6450 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 271332 | 10.3153 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.210 | 131 | 143846 | 11.9311 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 278592 | 10.2378 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 457220 | 10.2501 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 703381 | 19.9630 | PPBV | | 100 |
| 81) | O-XYLENE | 12.441 | 91 | 355250 | 10.0425 | PPBV | | 99 |
| 82) | STYRENE | 12.229 | 104 | 278357 | 10.8757 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 279616 | 9.9947 | PPBV | | 93 |
| 84) | BROMOFORM | 11.322 | 173 | 187082 | 12.2296 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 261976 | 10.5142 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 201971 | 10.0376 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 136930 | 10.2194 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 246840 | 9.7379 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 122323 | 9.9584 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 142602 | 10.3358 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 514233 | 10.5272 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 421583 | 10.2573 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 216053 | 9.8929 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102644 | 10.4400 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 435406 | 10.1374 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 258850 | 20.7104 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 294616 | 10.2783 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 299214 | 10.5247 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 280983 | 10.2361 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.872 | 134 | 129277 | 10.4474 | PPBV | | 92 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.991 | 105 | 420338 | 9.6664 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 140956 | 10.2084 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 141251 | 10.3059 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159980 | 12.0274 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.646 | 225 | 225111 | 10.9149 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.338 | 180 | 276617 | 10.0666 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 639531 | 8.9082 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 439346 | 8.4468 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

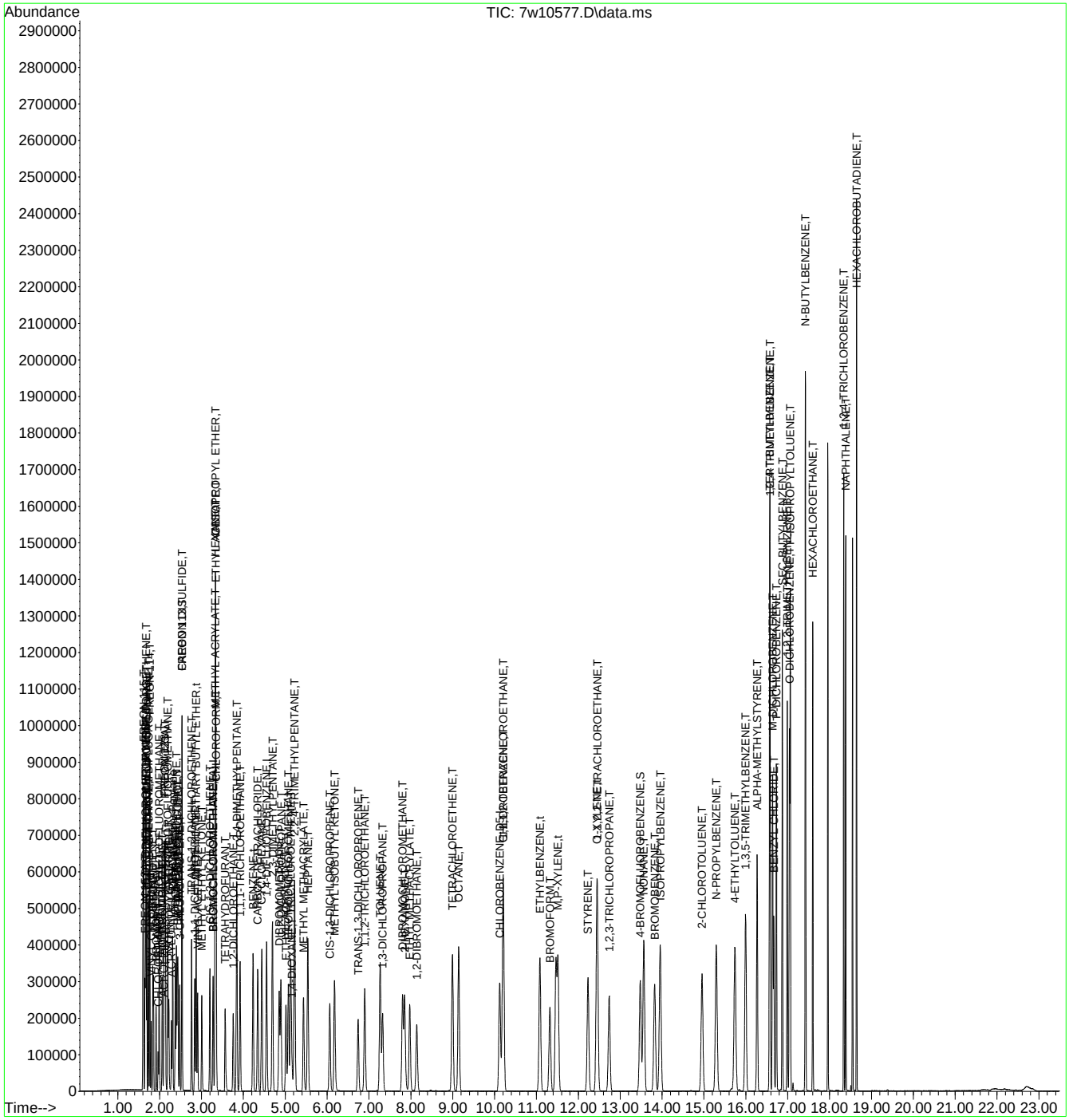
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



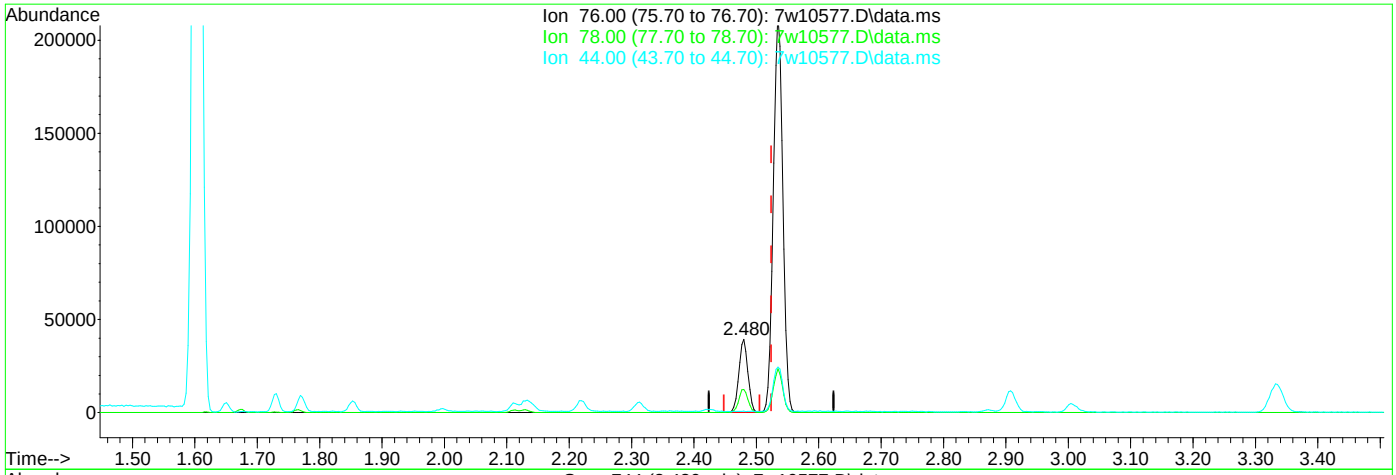
**Sample Number:** V7W387-BS
**Lab FileID:** 7W10577.D
**Injection Time:** 11/18/24 10:11
**Method:** TO-15
**Analyst approved:** 11/19/24 00:49 Lucky Carandang
**Supervisor approved:** 11/19/24 11:36 Kanya Veerawat

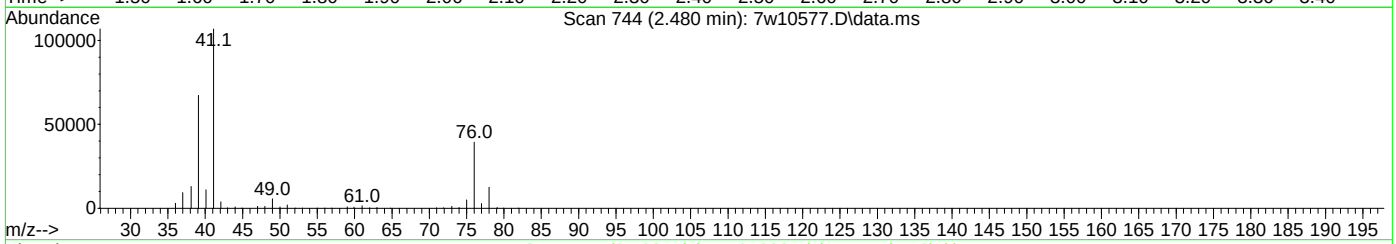
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

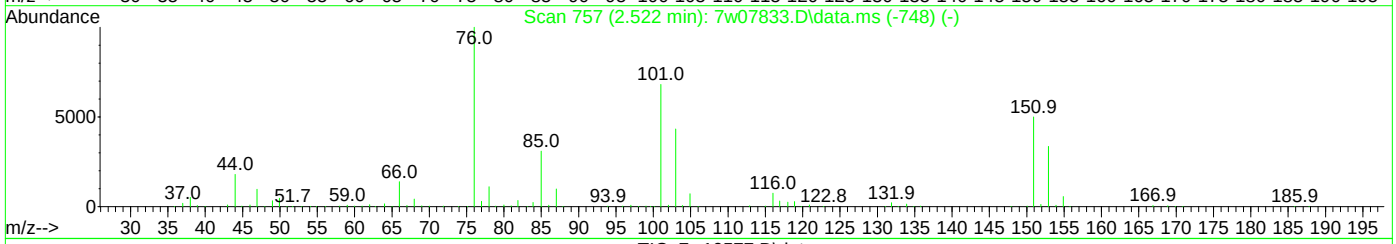
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

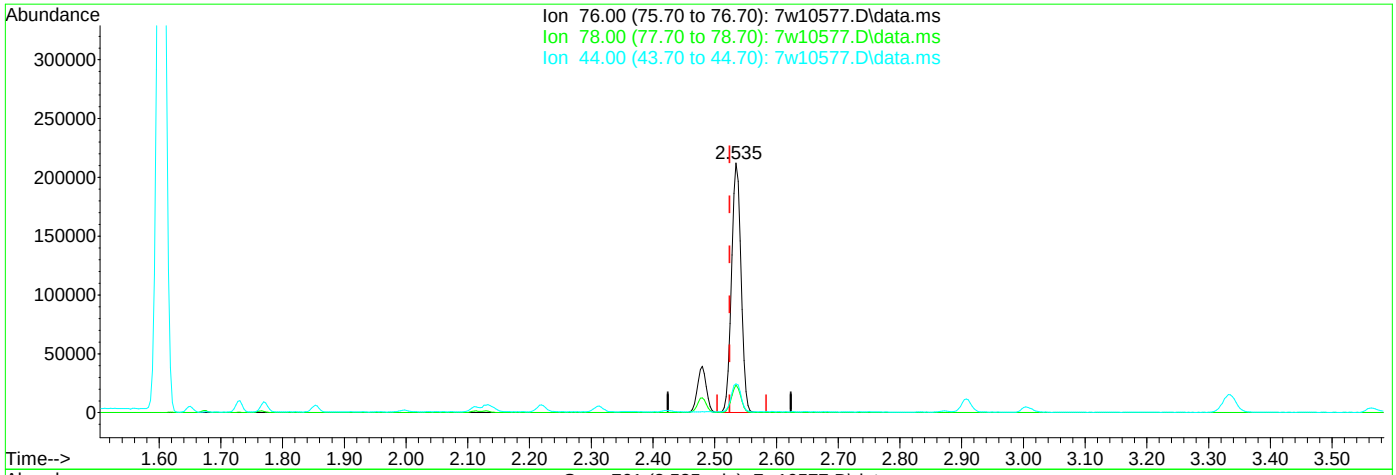
response 39710

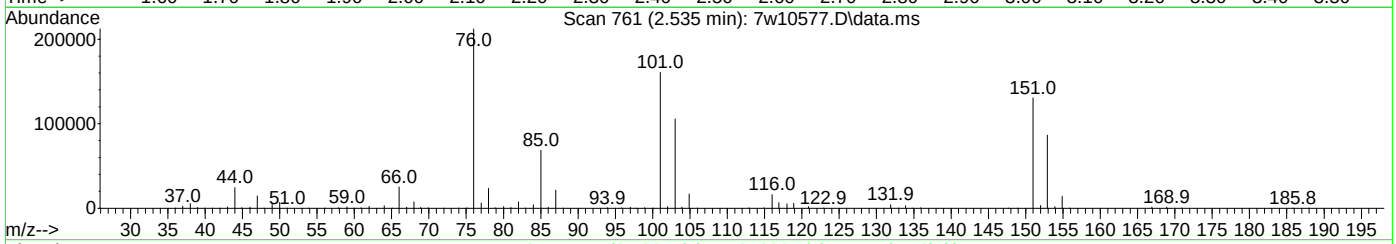
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.64# |
| 44.00 | 19.10 | 0.64# |
| 0.00 | 0.00 | 0.00 |

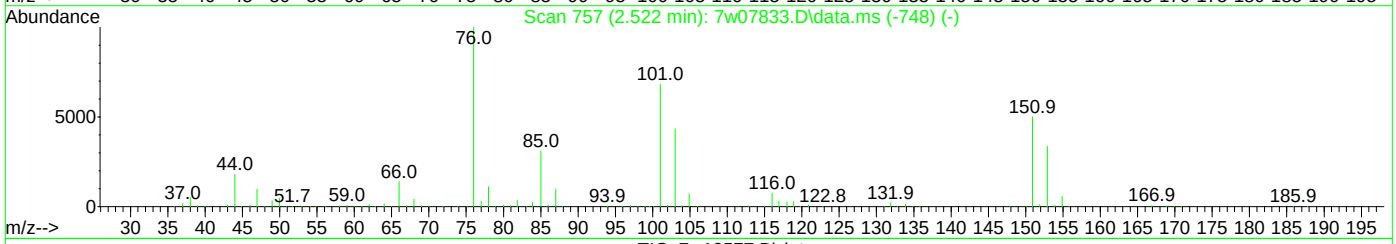
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.77# |
| 44.00 | 19.10 | 0.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 59448 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 304227 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 275746 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 59448 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 190632 | 9.42 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 112227 | 14.7201 | PPBV | 97 |
| 3) FREON 152A | 1.650 | 65 | 57446 | 13.9579 | PPBV | 84 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21726 | 10.9466 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126112 | 13.0738 | PPBV | 69 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 252623 | 10.5975 | PPBV | 94 |
| 7) PROPYLENE | 1.672 | 41 | 67225 | 11.8027 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 168232 | 8.4290 | PPBV | 92 |
| 9) FREON 114 | 1.766 | 85 | 219573 | 10.8282 | PPBV | 94 |
| 10) CHLOROMETHANE | 1.737 | 52 | 24803 | 8.0331 | PPBV | 91 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95931 | 10.1053 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 74674 | 9.6753 | PPBV | 84 |
| 13) N-BUTANE | 1.852 | 43 | 121165 | 8.5965 | PPBV | 95 |
| 14) BROMOMETHANE | 1.914 | 94 | 78468 | 10.3368 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 52103 | 10.7165 | PPBV | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 185911 | 10.0051 | PPBV | 97 |
| 17) ACETONITRILE | 2.061 | 41 | 76003 | 8.2350 | PPBV | 99 |
| 18) ACROLEIN | 2.100 | 56 | 44428 | 9.5884 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 200054 | 10.5952 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 123450 | 11.3978 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 210804 | 9.8613 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 172563 | 8.5703 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 53727 | 9.7912 | PPBV | 64 |
| 24) PENTANE | 2.312 | 42 | 92167 | 9.0114 | PPBV | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 223797 | 12.1367 | PPBV | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 84135 | 10.5767 | PPBV | 87 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 221254 | 9.5441 | PPBV # | 90 |
| 28) ETHANOL | 1.997 | 45 | 46856 | 8.5168 | PPBV | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 82455 | 11.3578 | PPBV # | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 69892 | 9.3648 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 74697 | 9.1237 | PPBV | 80 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 40349 | 9.6313 | PPBV # | 59 |
| 33) FREON 113 | 2.534 | 151 | 136726 | 10.9217 | PPBV | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 90883 | 11.7146 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 175438 | 9.0773 | PPBV | 91 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 240324 | 12.3296 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45290 | 12.1941 | PPBV | 94 |
| 38) HEXANE | 3.328 | 57 | 184582 | 11.3764 | PPBV | 88 |
| 39) VINYL ACETATE | 2.907 | 86 | 21094 | 11.8881 | PPBV | 84 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 180973 | 12.5184 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 47682 | 12.0598 | PPBV | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95006 | 11.5473 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52095 | 12.3395 | PPBV | 83 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36641 | 11.8170 | PPBV | 76 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 213749 | 12.0275 | PPBV # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 181081 | 10.8825 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 214369 | 12.3513 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179286 | 11.8362 | PPBV | 95 |
| 49) CARBON TETRACHLORIDE | 4.344 | 117 | 185073 | 12.4473 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.759 | 62 | 133903 | 10.6105 | PPBV | | 99 |
| 51) | BENZENE | 4.232 | 78 | 285053 | 11.6404 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 123486 | 11.4922 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66451 | 12.0762 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124532 | 10.6877 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.897 | 63 | 124852 | 12.0450 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110196 | 11.2704 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 264942 | 11.9064 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 197810 | 11.0627 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 581722 | 11.8130 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 67881 | 10.6446 | PPBV | # | 95 |
| 62) | HEPTANE | 5.540 | 43 | 194597 | 11.2566 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 110949 | 11.9216 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 114615 | 10.7700 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167753 | 12.6282 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 347675 | 10.7410 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 171884 | 10.8082 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139337 | 12.7869 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 100397 | 11.3447 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.849 | 58 | 162687 | 10.0165 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 179934 | 11.6913 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 135676 | 11.7309 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 199913 | 11.7921 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.145 | 107 | 182986 | 11.7372 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 268341 | 10.3191 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144815 | 12.2454 | PPBV | | 92 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 279014 | 10.4529 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 458943 | 10.4891 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.514 | 91 | 712410 | 20.6129 | PPBV | | 98 |
| 81) | O-XYLENE | 12.444 | 91 | 357163 | 10.2932 | PPBV | | 98 |
| 82) | STYRENE | 12.228 | 104 | 284416 | 11.3288 | PPBV | | 96 |
| 83) | NONANE | 13.563 | 43 | 247974 | 9.0363 | PPBV | | 86 |
| 84) | BROMOFORM | 11.322 | 173 | 196785 | 13.1143 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 261640 | 10.7052 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 198044 | 10.0341 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 142718 | 10.8588 | PPBV | | 90 |
| 89) | BROMOBENZENE | 13.820 | 77 | 245227 | 9.8626 | PPBV | | 90 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 126461 | 10.4957 | PPBV | | 98 |
| 91) | N-PROPYLBENZENE | 15.289 | 120 | 149258 | 11.0289 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 524683 | 10.9503 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 428738 | 10.6345 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 227883 | 10.6378 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 107149 | 11.1104 | PPBV | | 92 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 444260 | 10.5449 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257782 | 21.0265 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 311779 | 11.0889 | PPBV | | 96 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 312888 | 11.2200 | PPBV | | 96 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 299868 | 11.1368 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.871 | 134 | 133359 | 10.9871 | PPBV | | 89 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 431281 | 10.1111 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 147019 | 10.8548 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 143845 | 10.6995 | PPBV | | 84 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 161090 | 12.3466 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.649 | 225 | 225577 | 11.1504 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 279684 | 10.3764 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 646041 | 9.1741 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 447566 | 8.6742 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

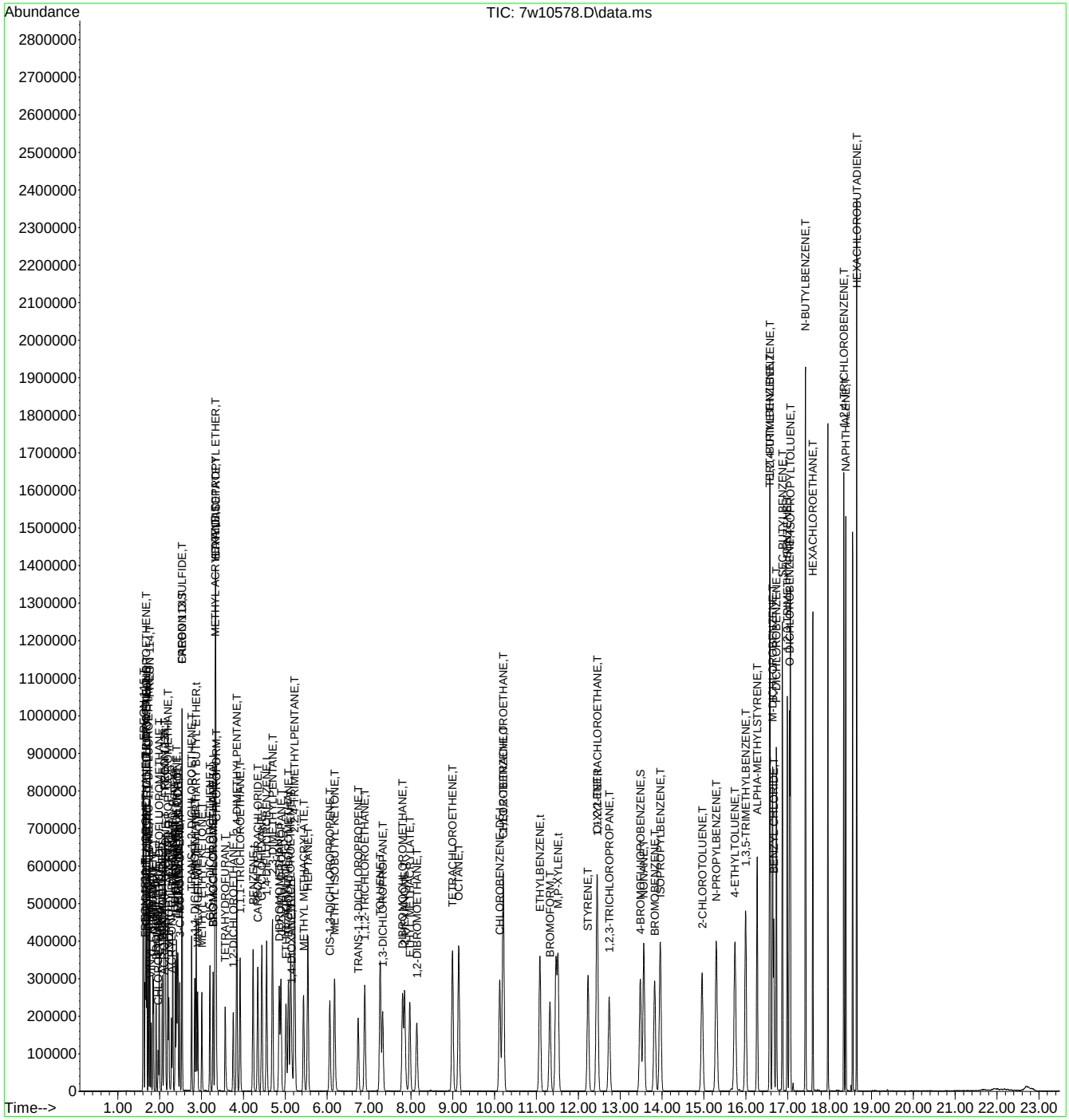
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

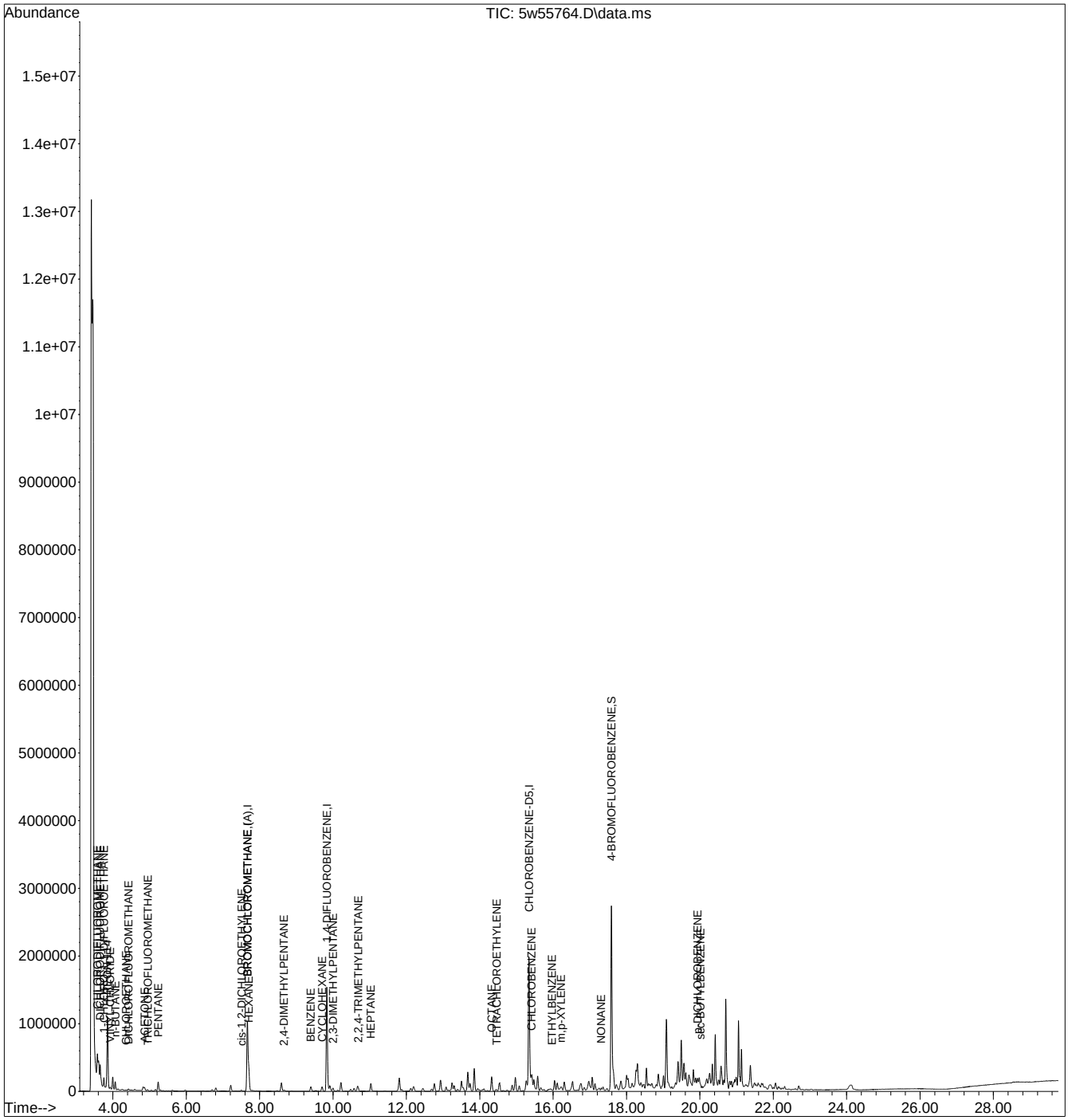
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260206 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1283023 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 766261 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260206 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1001231 | 11.68 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 116.80% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 64438 | 6.4553 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 242419 | 2.5494 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 116355 | 1.1949 | PPBV | 96 |
| 9) FREON 114 | 3.839 | 85 | 228423 | 1.9584 | PPBV | 89 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 29985 | 0.6944 | PPBV | 98 |
| 13) n-BUTANE | 4.066 | 43 | 94390 | 1.6980 | PPBV # | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 1717 | 0.0870 | PPBV | 89 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 17174 | 0.1761 | PPBV | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 15963 | 0.1817 | PPBV | 97 |
| 23) ACETONE | 4.861 | 58 | 18828 | 0.8971 | PPBV # | 30 |
| 24) PENTANE | 5.234 | 42 | 60318 | 2.1808 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 140803 | 3.4536 | PPBV | 85 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 6787 | 0.2273 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 6392 | 0.1434 | PPBV | 95 |
| 52) BENZENE | 9.394 | 78 | 70157 | 0.7544 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 23675 | 0.6777 | PPBV | 90 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 7682 | 0.4073 | PPBV | 88 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 40171 | 0.2845 | PPBV # | 39 |
| 62) HEPTANE | 11.028 | 43 | 54615 | 1.1072 | PPBV | 93 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 2299 | 0.0459 | PPBV | 84 |
| 76) OCTANE | 14.325 | 43 | 42460 | 0.6309 | PPBV | 88 |
| 78) CHLOROBENZENE | 15.408 | 112 | 101307 | 1.0270 | PPBV | 97 |
| 79) ETHYLBENZENE | 15.971 | 91 | 20981 | 0.1485 | PPBV | 87 |
| 80) m,p-XYLENE | 16.209 | 106 | 9919 | 0.1850 | PPBV | 92 |
| 83) NONANE | 17.304 | 43 | 23512 | 0.3348 | PPBV # | 58 |
| 99) p-DICHLOROBENZENE | 19.929 | 146 | 34934 | 0.3566 | PPBV | 95 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 3024 | 0.0914 | PPBV # | 51 |

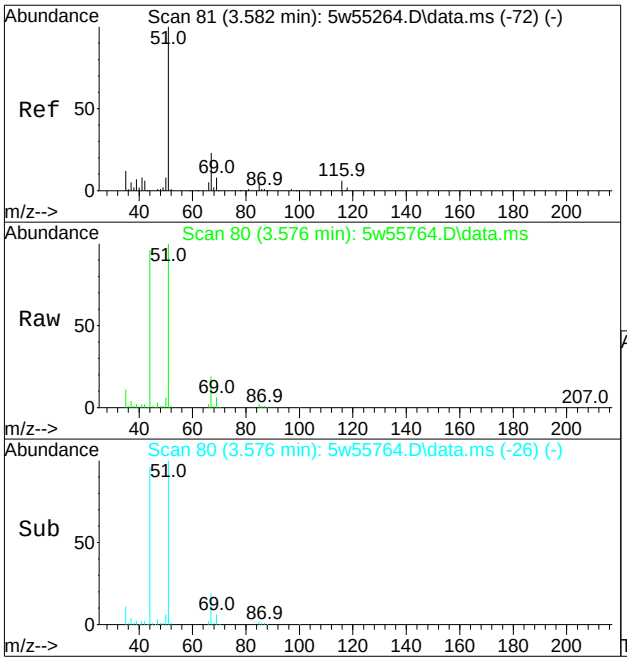
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

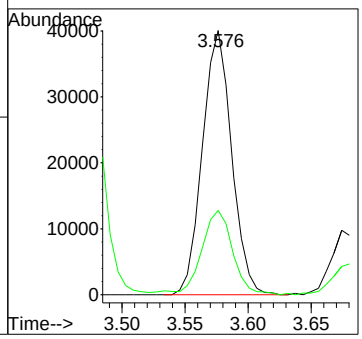


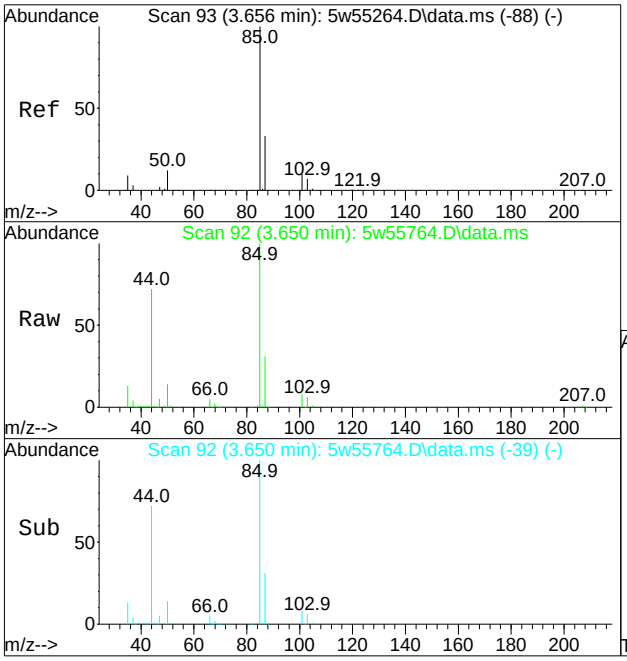



#4
CHLORODIFLUOROMETHANE
Concen: 6.4553 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 64438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.0 | 2.9 | 62.9 |

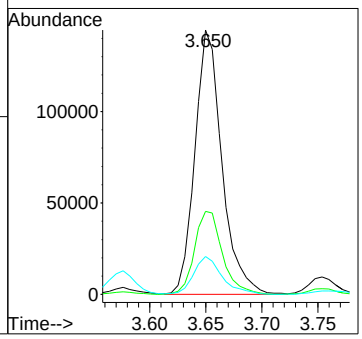


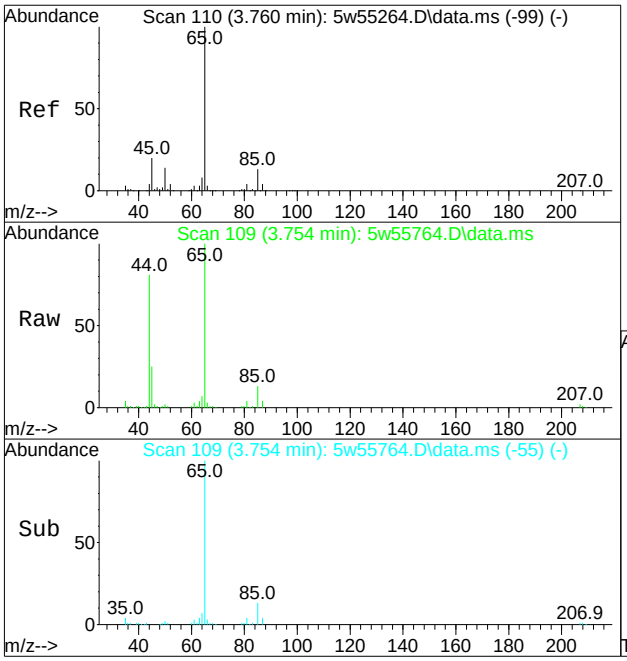




#6
DICHLORODIFLUOROMETHANE
Concen: 2.5494 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 242419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 2.6 | 62.6 |
| 50 | 15.1 | 0.0 | 43.0 |

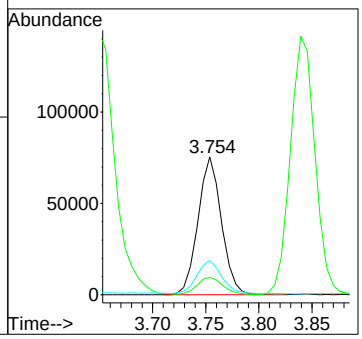


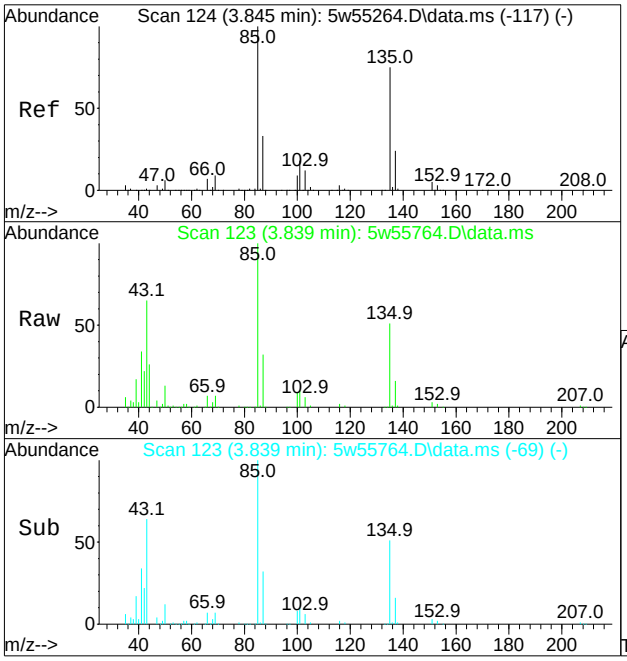



#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 1.1949 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 65 Resp: 116355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 14.1 | 10.1 | 18.7 |
| 45 | 25.7 | 15.9 | 29.5 |

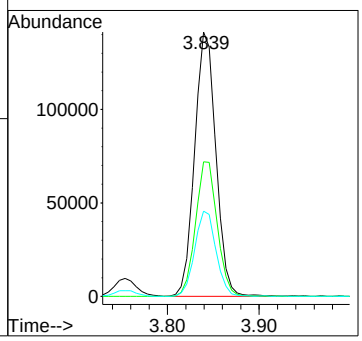


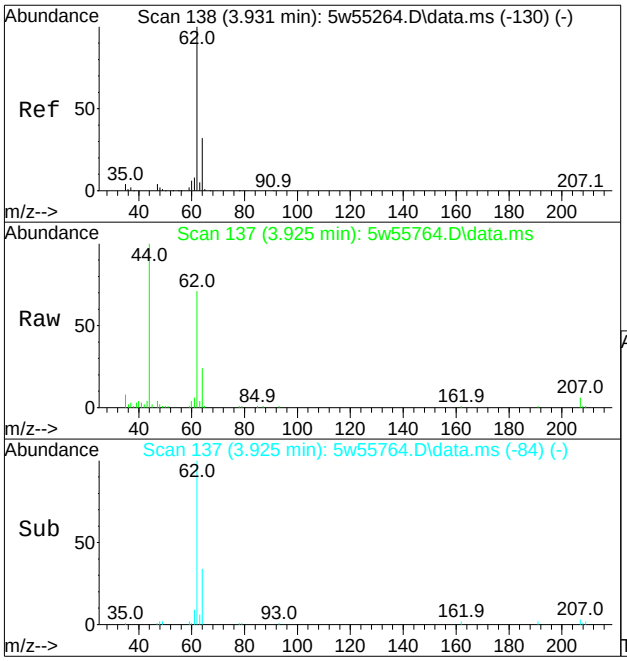




#9
FREON 114
Concen: 1.9584 PPBV
RT: 3.839 min Scan# 123
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 228423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 51.7 | 34.3 | 94.3 |
| 87 | 32.3 | 2.9 | 62.9 |

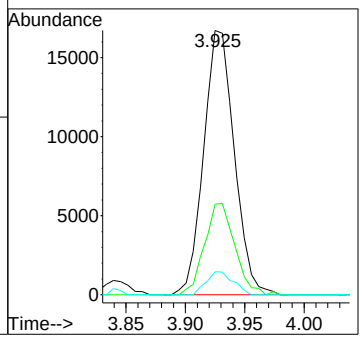


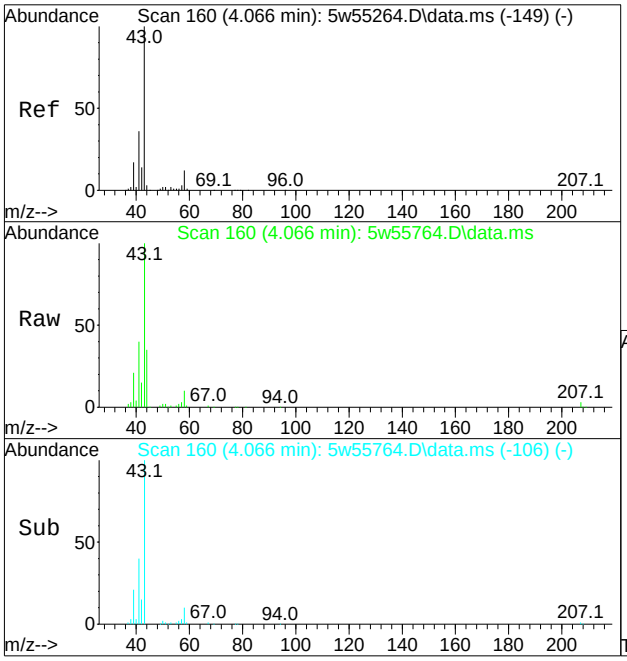



#11
VINYL CHLORIDE
Concen: 0.6944 PPBV
RT: 3.925 min Scan# 137
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 62 Resp: 29985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.2 | 2.8 | 62.8 |
| 61 | 7.7 | 0.0 | 38.3 |

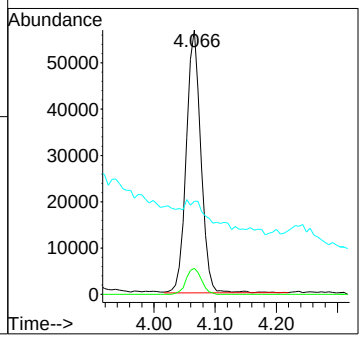


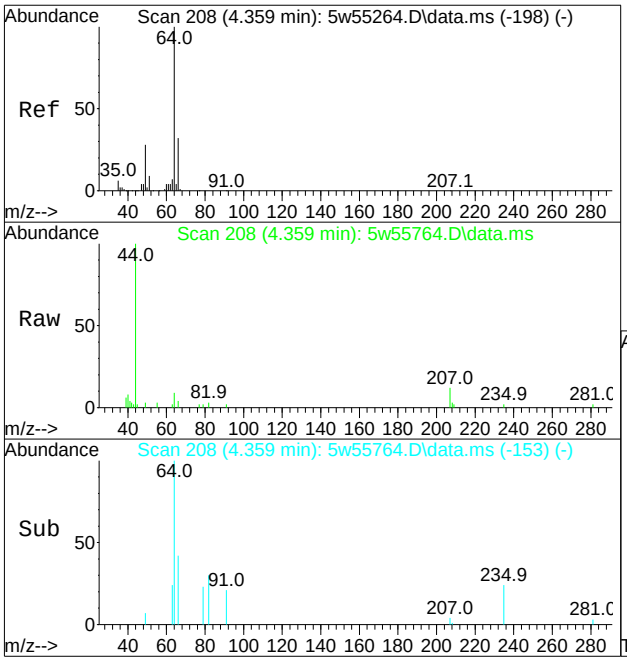




#13
n-BUTANE
Concen: 1.6980 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 94390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

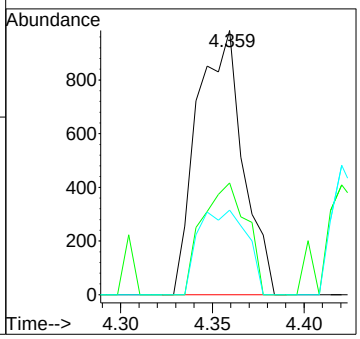


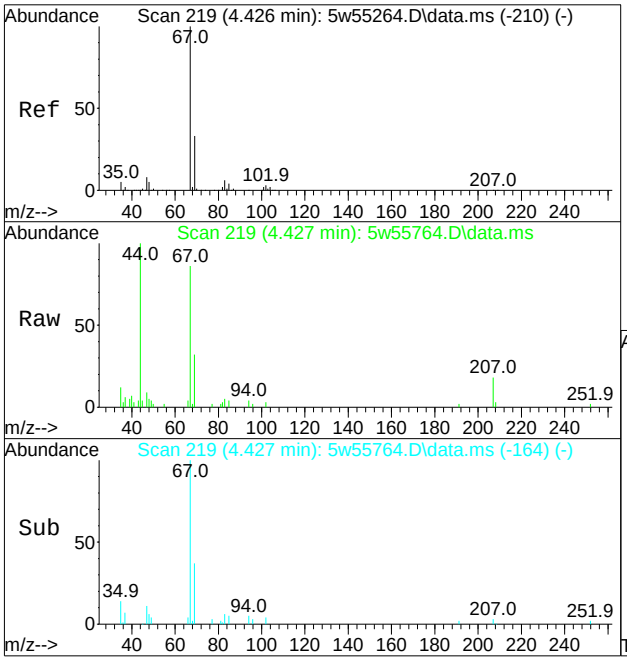



#15
CHLOROETHANE
Concen: 0.0870 PPBV
RT: 4.359 min Scan# 208
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 64 Resp: 1717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 40.8 | 2.4 | 62.4 |
| 49 | 33.8 | 0.0 | 59.8 |

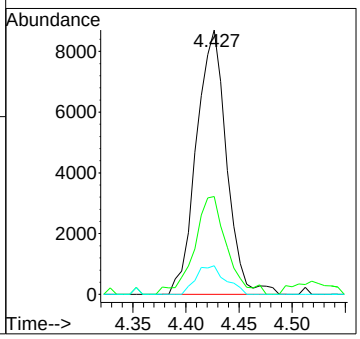


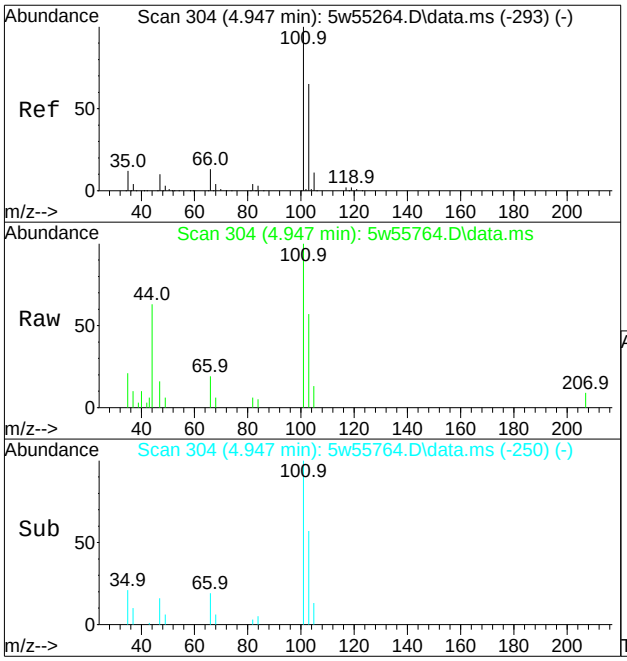




#16
DICHLOROFLUOROMETHANE
Concen: 0.1761 PPBV
RT: 4.427 min Scan# 219
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 17174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 39.9 | 23.0 | 42.8 |
| 47 | 10.7 | 6.9 | 12.7 |

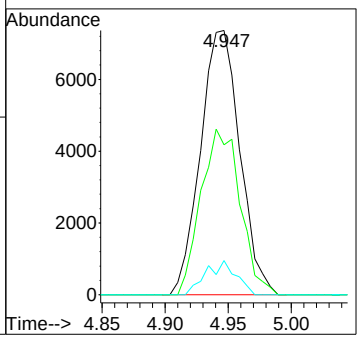


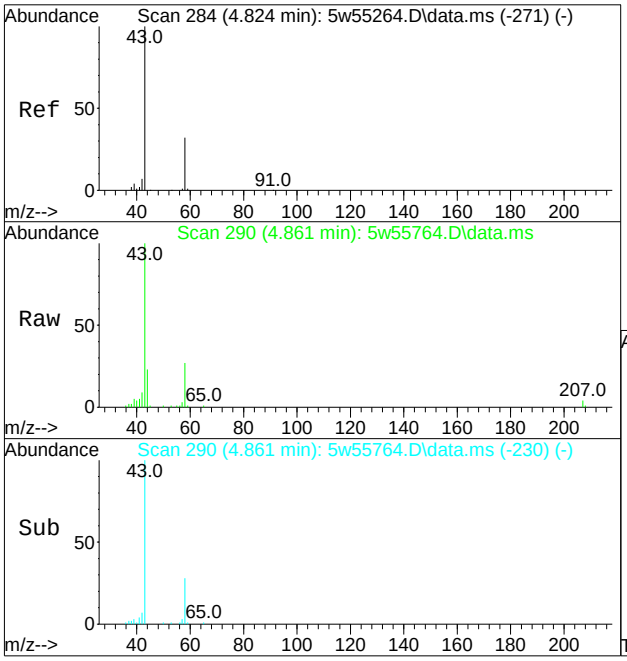



#21
TRICHLOROFLUOROMETHANE
Concen: 0.1817 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:101 Resp: 15963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.4 | 34.7 | 94.7 |
| 105 | 9.9 | 0.0 | 40.5 |

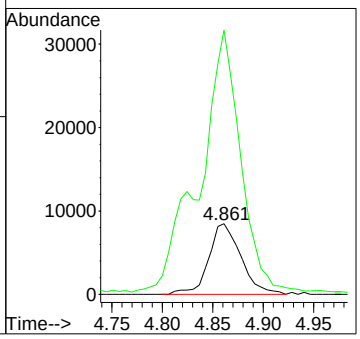


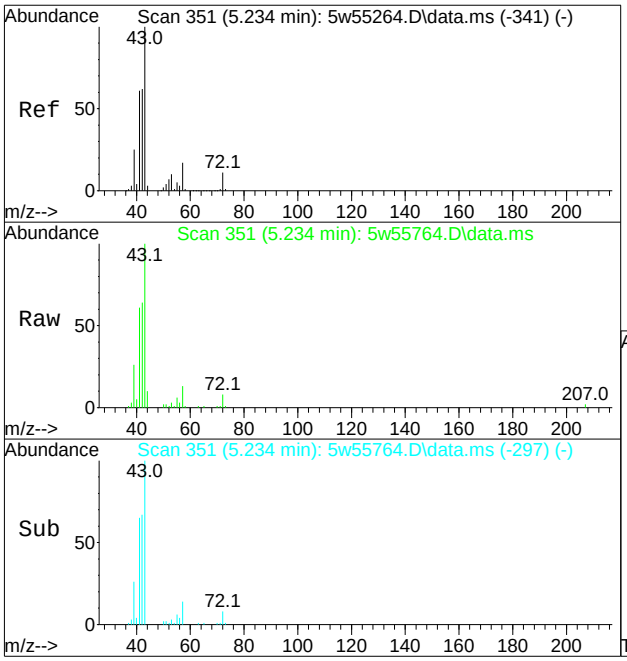




#23
ACETONE
Concen: 0.8971 PPBV
RT: 4.861 min Scan# 290
Delta R.T. 0.037 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 58 Resp: 18828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 491.6 | 312.3 | 372.3# |

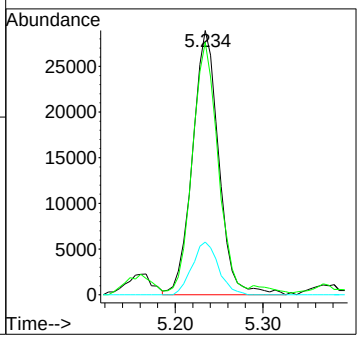


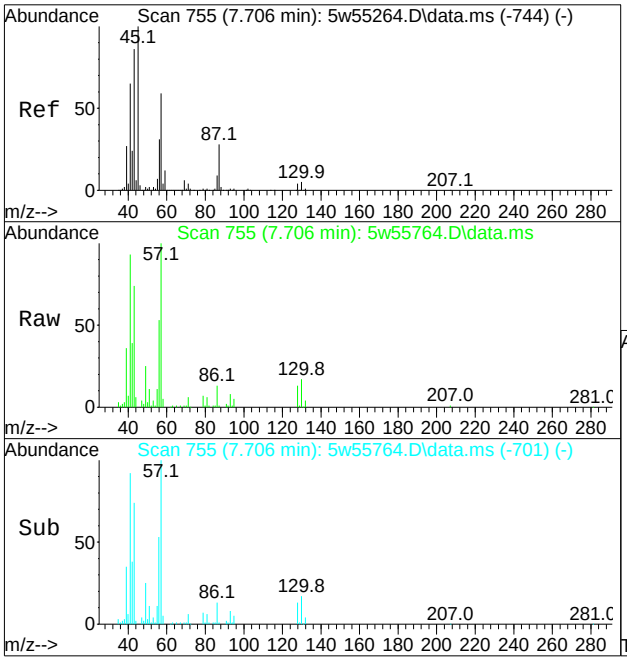



#24
PENTANE
Concen: 2.1808 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 42 Resp: 60318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.6 | 64.4 | 124.4 |
| 57 | 19.9 | 0.0 | 55.0 |

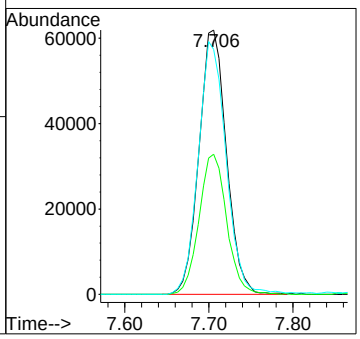


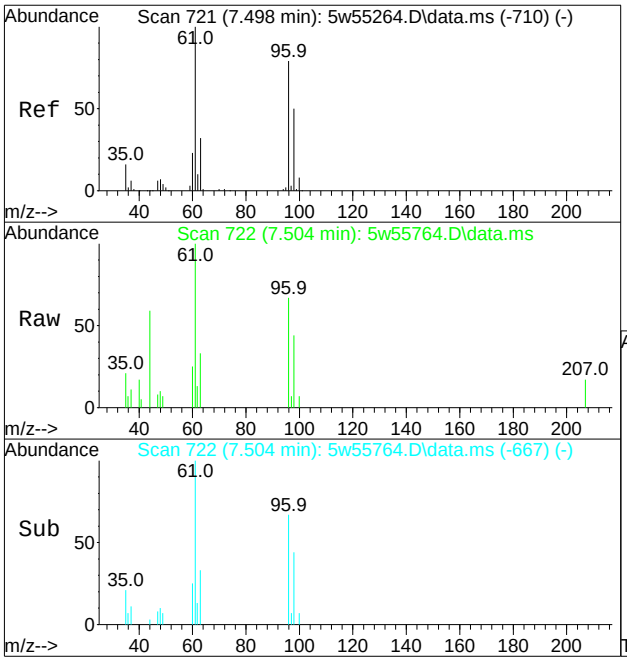




#38
HEXANE
Concen: 3.4536 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 140803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.3 | 24.2 | 84.2 |
| 41 | 97.7 | 92.1 | 152.1 |

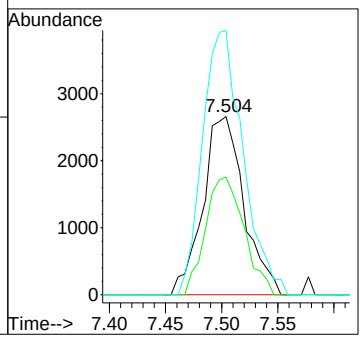


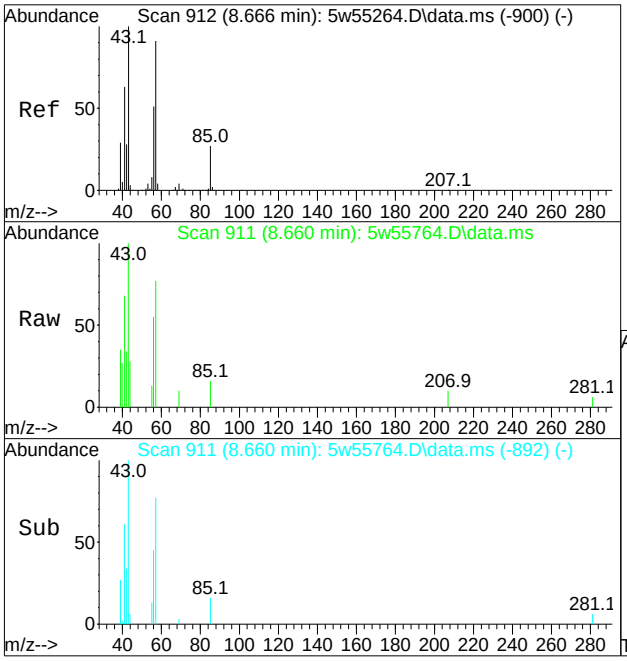



#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.2273 PPBV
RT: 7.504 min Scan# 722
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 96 Resp: 6787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 98 | 61.8 | 33.2 | 93.2 |
| 61 | 146.4 | 107.9 | 167.9 |

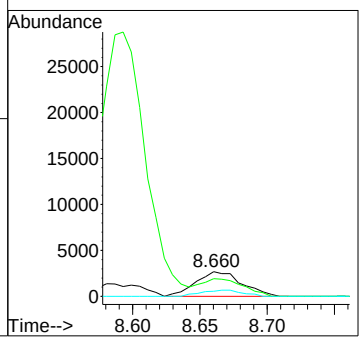


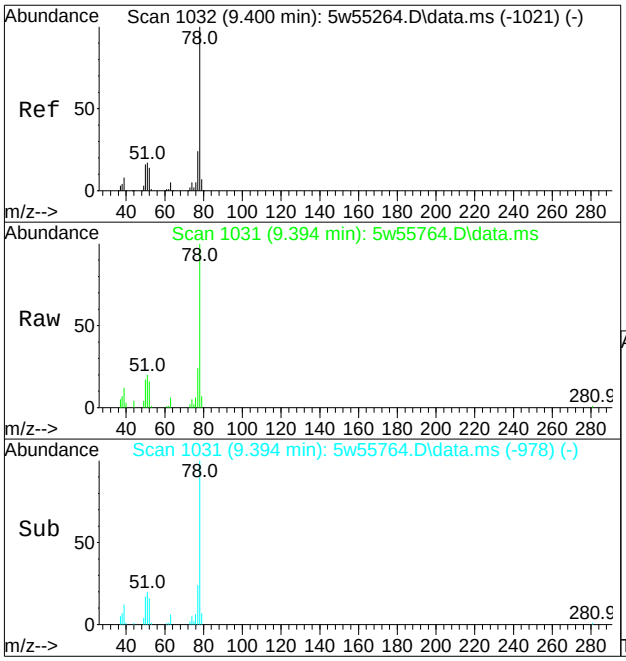




#47
2,4-DIMETHYLPENTANE
Concen: 0.1434 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 6392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 59.4 | 26.4 | 86.4 |
| 85 | 22.6 | 0.0 | 56.0 |

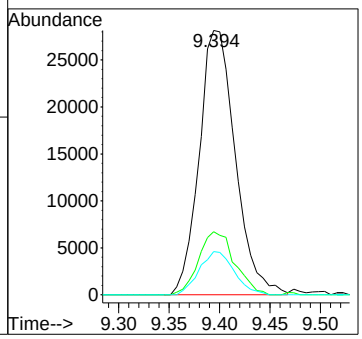


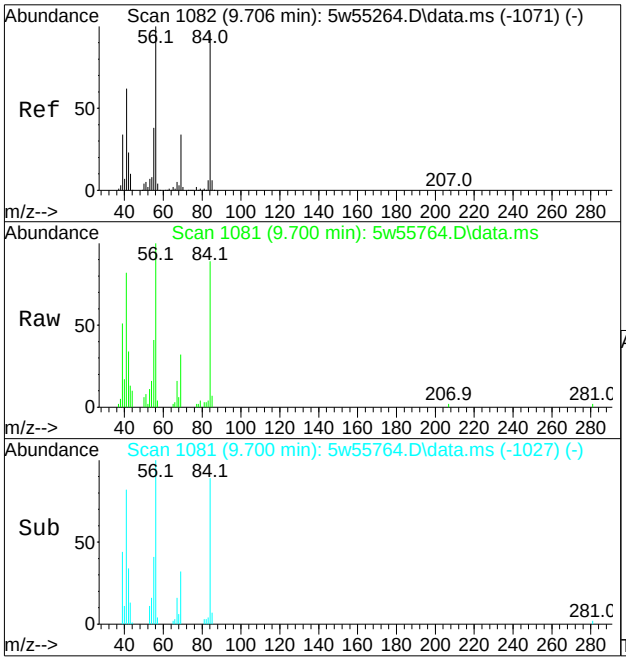



#52
BENZENE
Concen: 0.7544 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 78 Resp: 70157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 0.0 | 54.0 |
| 52 | 15.8 | 0.0 | 45.6 |

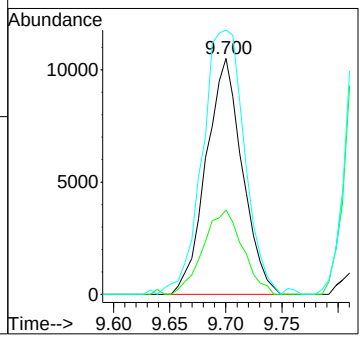


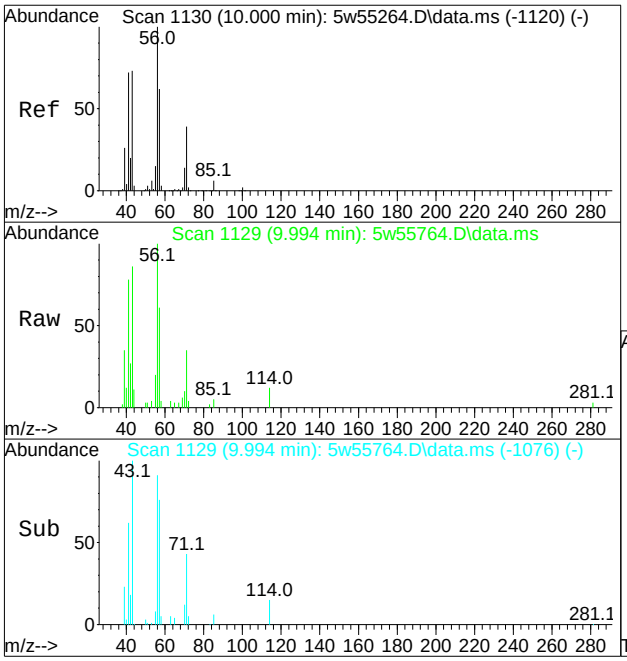




#53
CYCLOHEXANE
Concen: 0.6777 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 84 Resp: 23675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.9 | 7.0 | 67.0 |
| 56 | 130.2 | 86.5 | 146.5 |

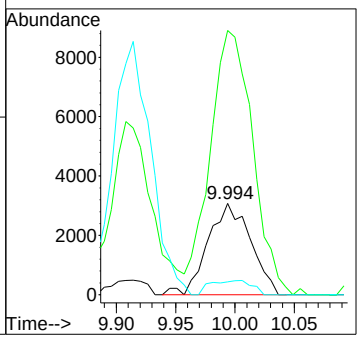


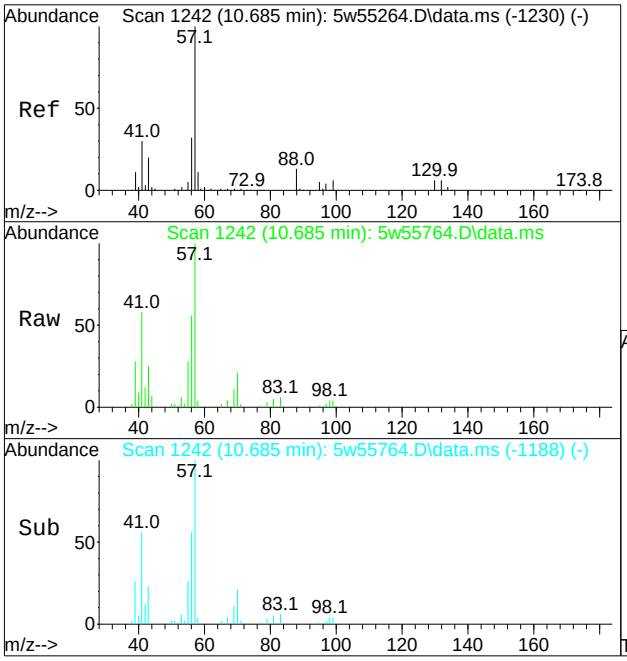



#54
2,3-DIMETHYLPENTANE
Concen: 0.4073 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 71 Resp: 7682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.3 | 235.4 | 295.4 |
| 85 | 15.2 | 0.0 | 45.3 |

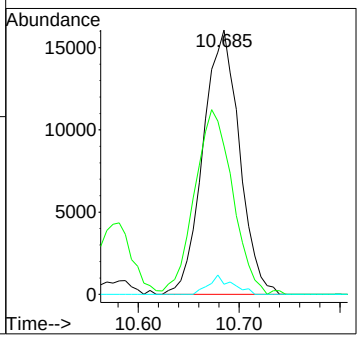


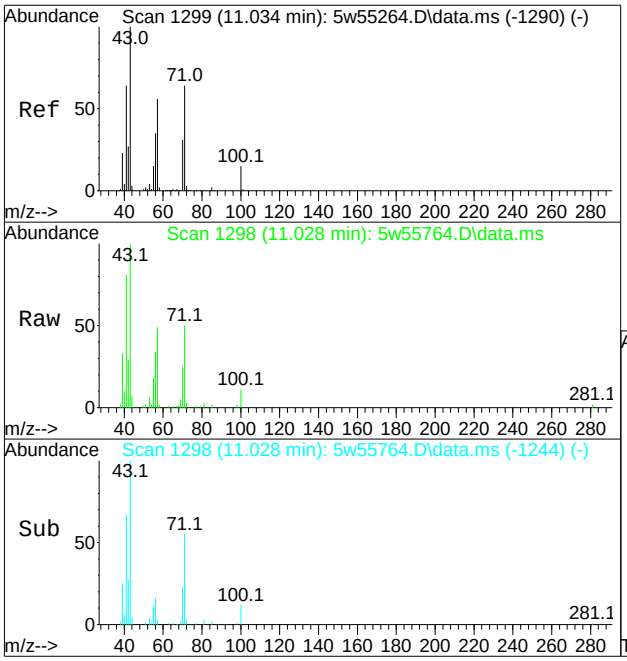




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2845 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 40171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 73.2 | 2.2 | 62.2# |
| 99 | 4.7 | 0.0 | 37.6 |

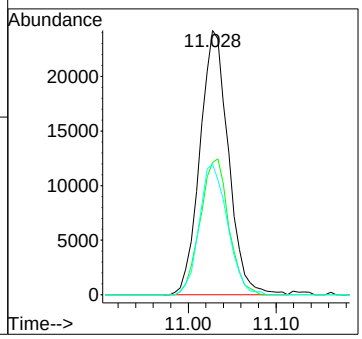


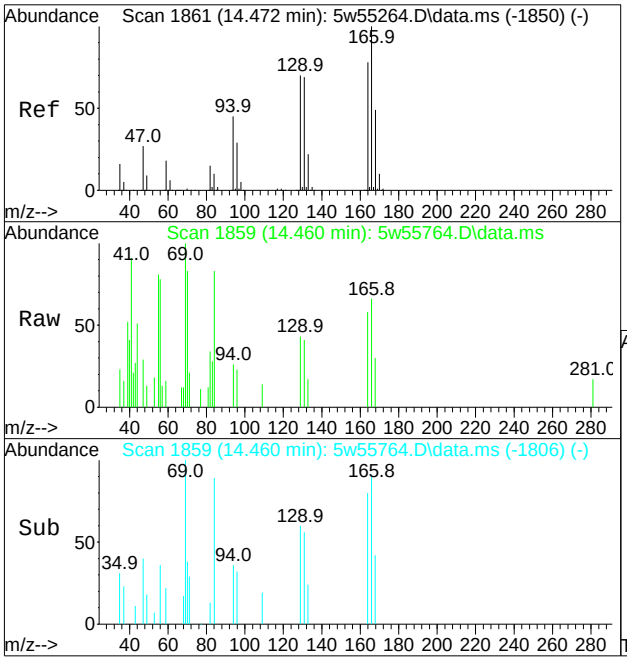



#62
HEPTANE
Concen: 1.1072 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 54615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 51.3 | 27.2 | 87.2 |
| 57 | 49.0 | 22.5 | 82.5 |

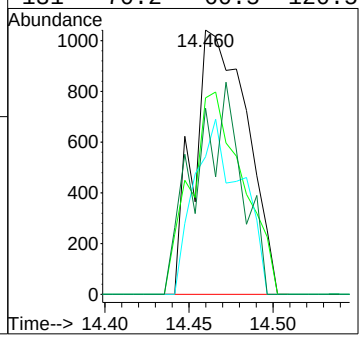


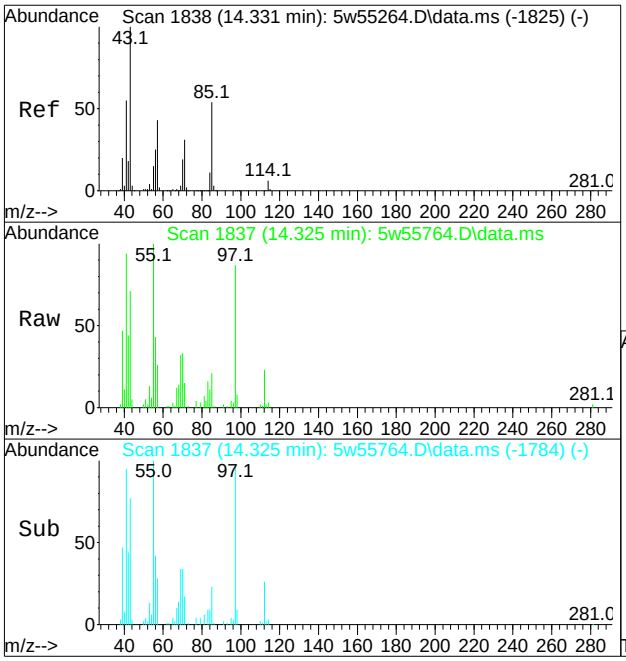




#73
TETRACHLOROETHYLENE
Concen: 0.0459 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:164 Resp: 2299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.4 | 64.4 | 124.4 |
| 168 | 57.9 | 31.2 | 91.2 |
| 131 | 70.2 | 60.5 | 120.5 |

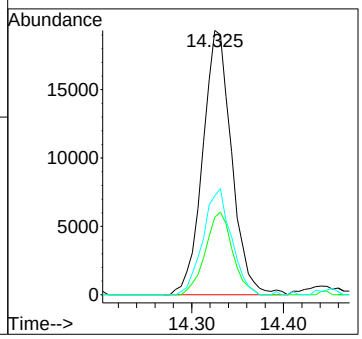


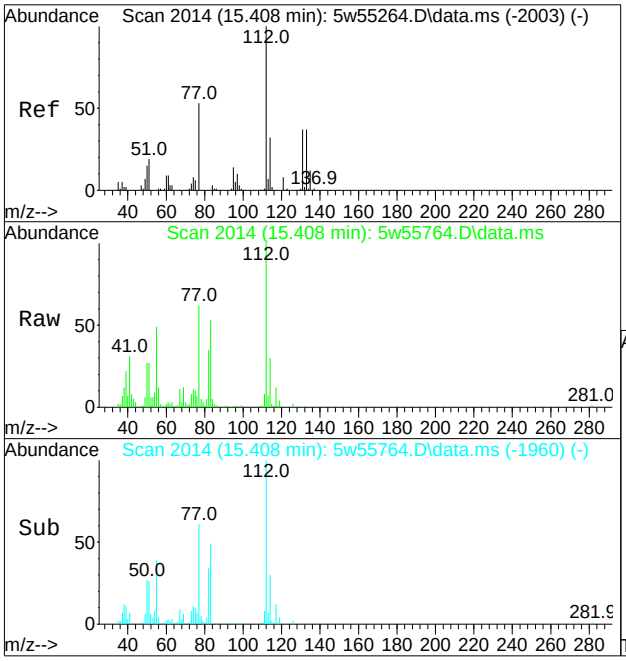



#76
OCTANE
Concen: 0.6309 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 42460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 29.4 | 13.7 | 73.7 |
| 57 | 39.2 | 9.9 | 69.9 |

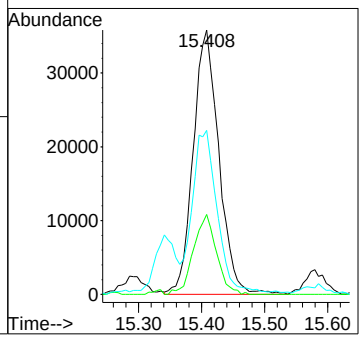


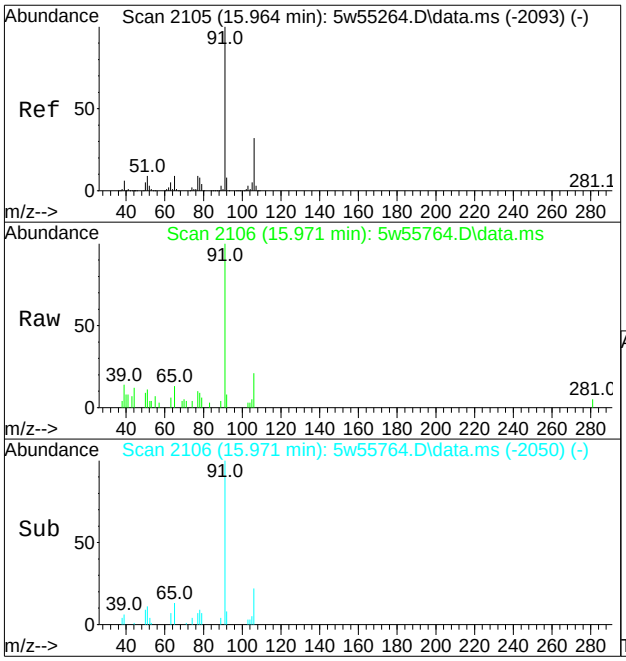




#78
CHLOROBENZENE
Concen: 1.0270 PPBV
RT: 15.408 min Scan# 2014
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:112 Resp: 101307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.0 | 2.2 | 62.2 |
| 77 | 60.3 | 30.2 | 90.2 |

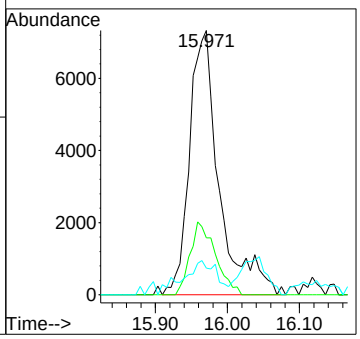


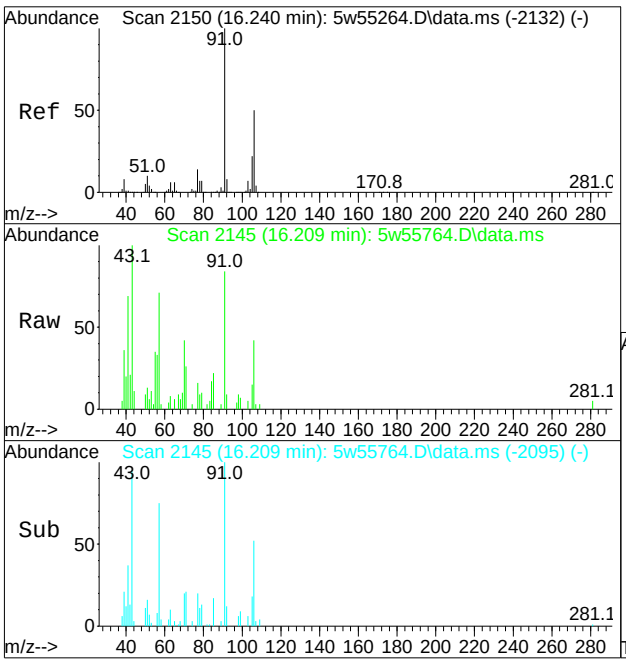



#79
ETHYLBENZENE
Concen: 0.1485 PPBV
RT: 15.971 min Scan# 2106
Delta R.T. 0.012 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 91 Resp: 20981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 23.5 | 0.0 | 59.9 |
| 77 | 14.5 | 0.0 | 39.1 |

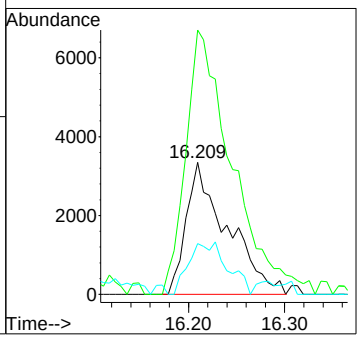


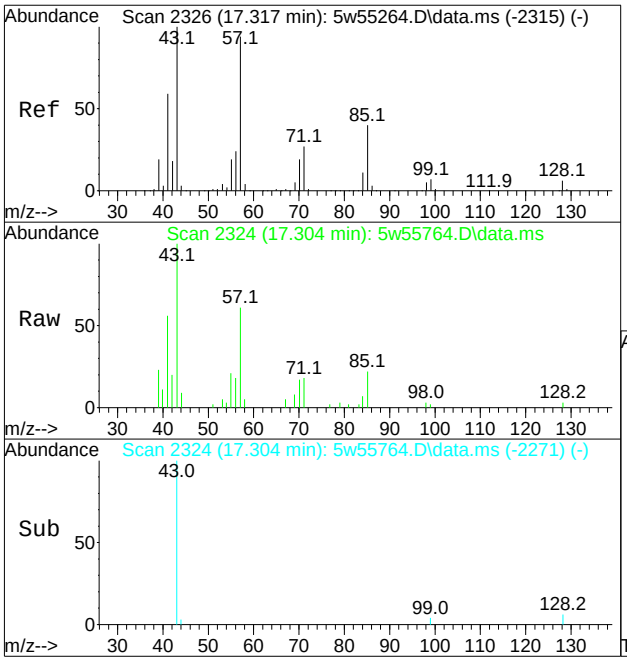




#80
m,p-XYLENE
Concen: 0.1850 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:106 Resp: 9919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.4 | 181.2 | 241.2 |
| 77 | 38.5 | 0.1 | 60.1 |

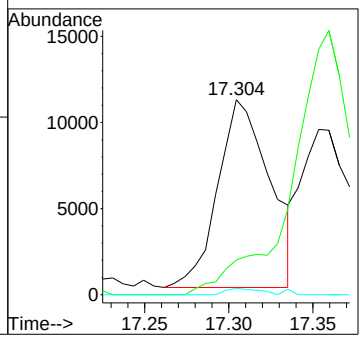


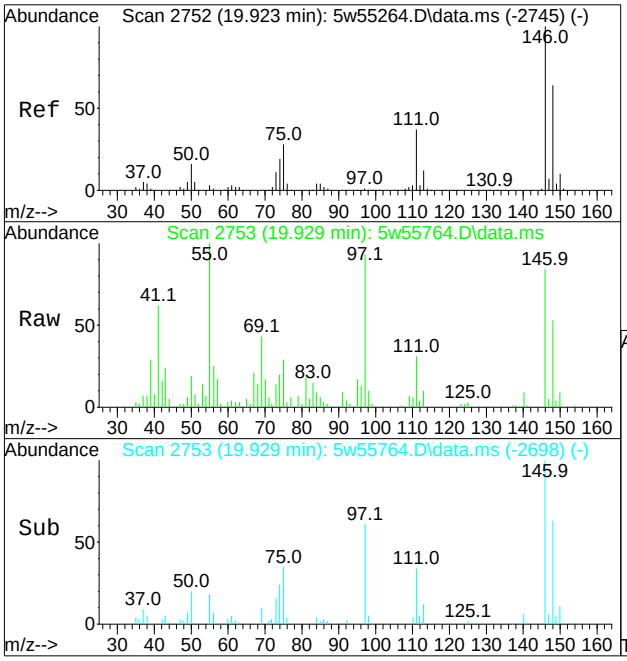



#83
NONANE
Concen: 0.3348 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 23512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 0.0 | 0.0 | 53.8 |
| 128 | 2.2 | 0.0 | 34.3 |

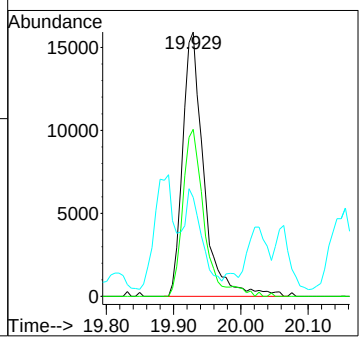


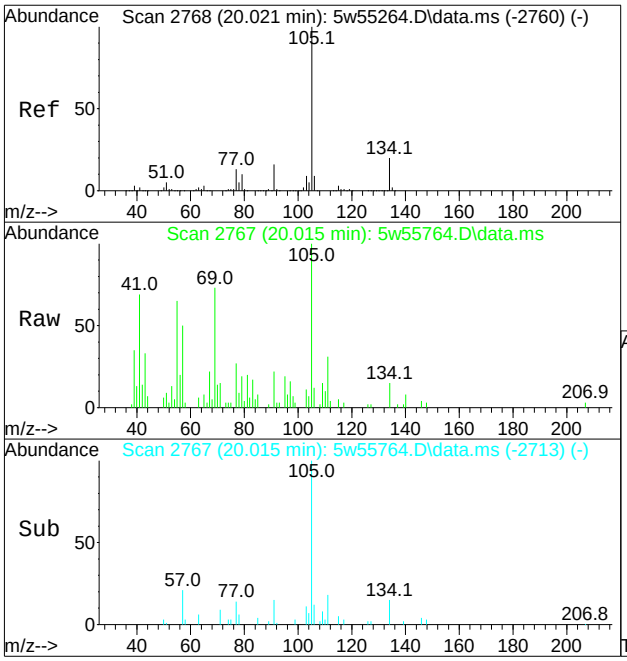




#99
p-DICHLOROBENZENE
Concen: 0.3566 PPBV
RT: 19.929 min Scan# 2753
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:146 Resp: 34934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 33.7 | 93.7 |
| 111 | 30.1 | 8.5 | 68.5 |

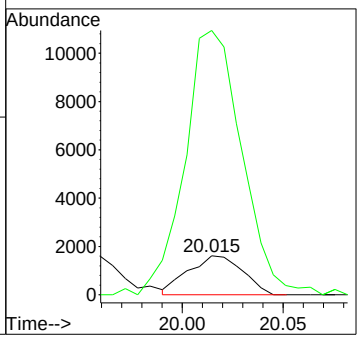





#100
sec-BUTYLBENZENE
Concen: 0.0914 PPBV
RT: 20.015 min Scan# 2767
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:134 Resp: 3024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 105 | 717.2 | 539.5 | 599.5# |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

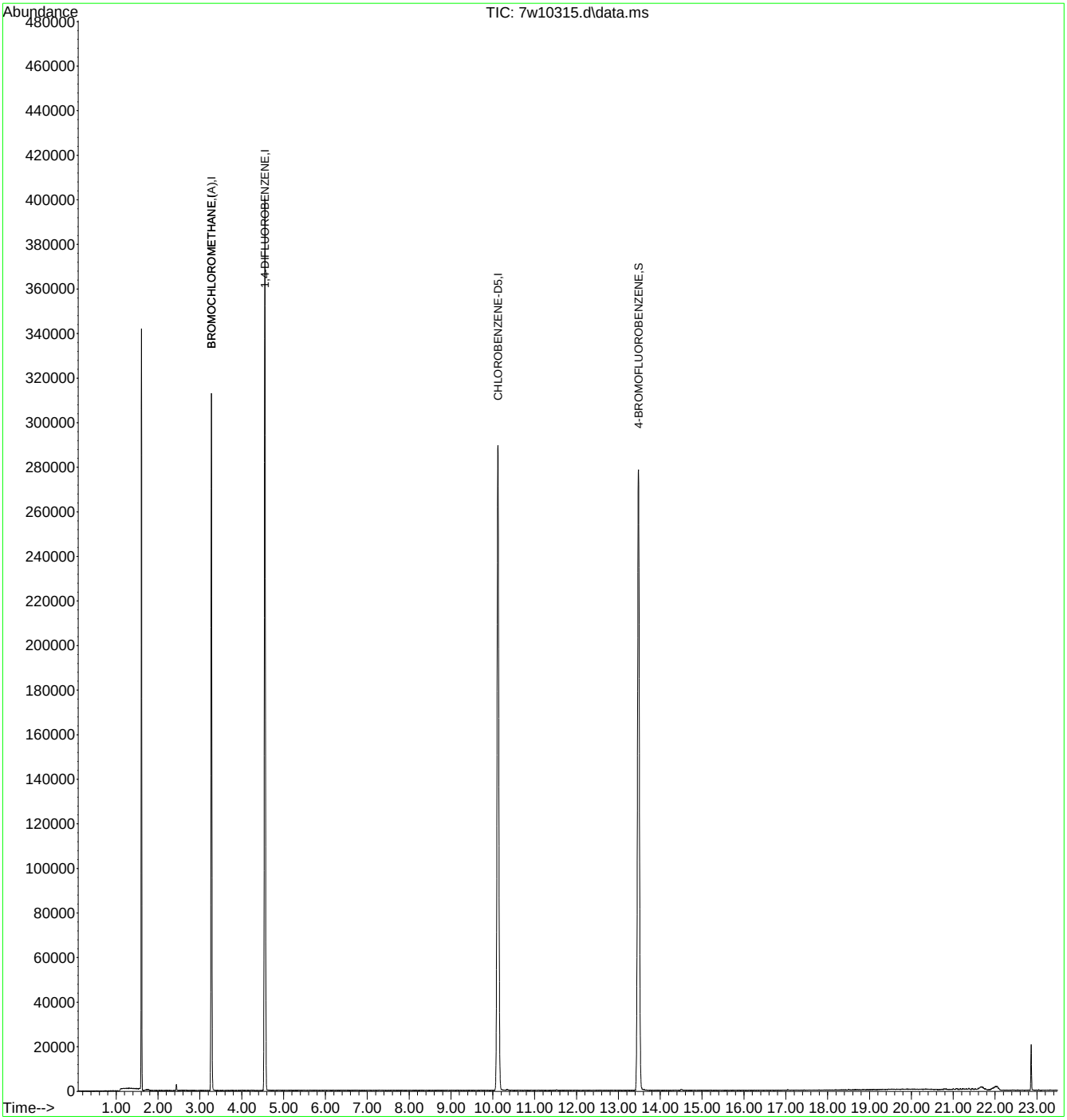
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 58595 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 297956 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 266975 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 58595 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 182568 | 9.32 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

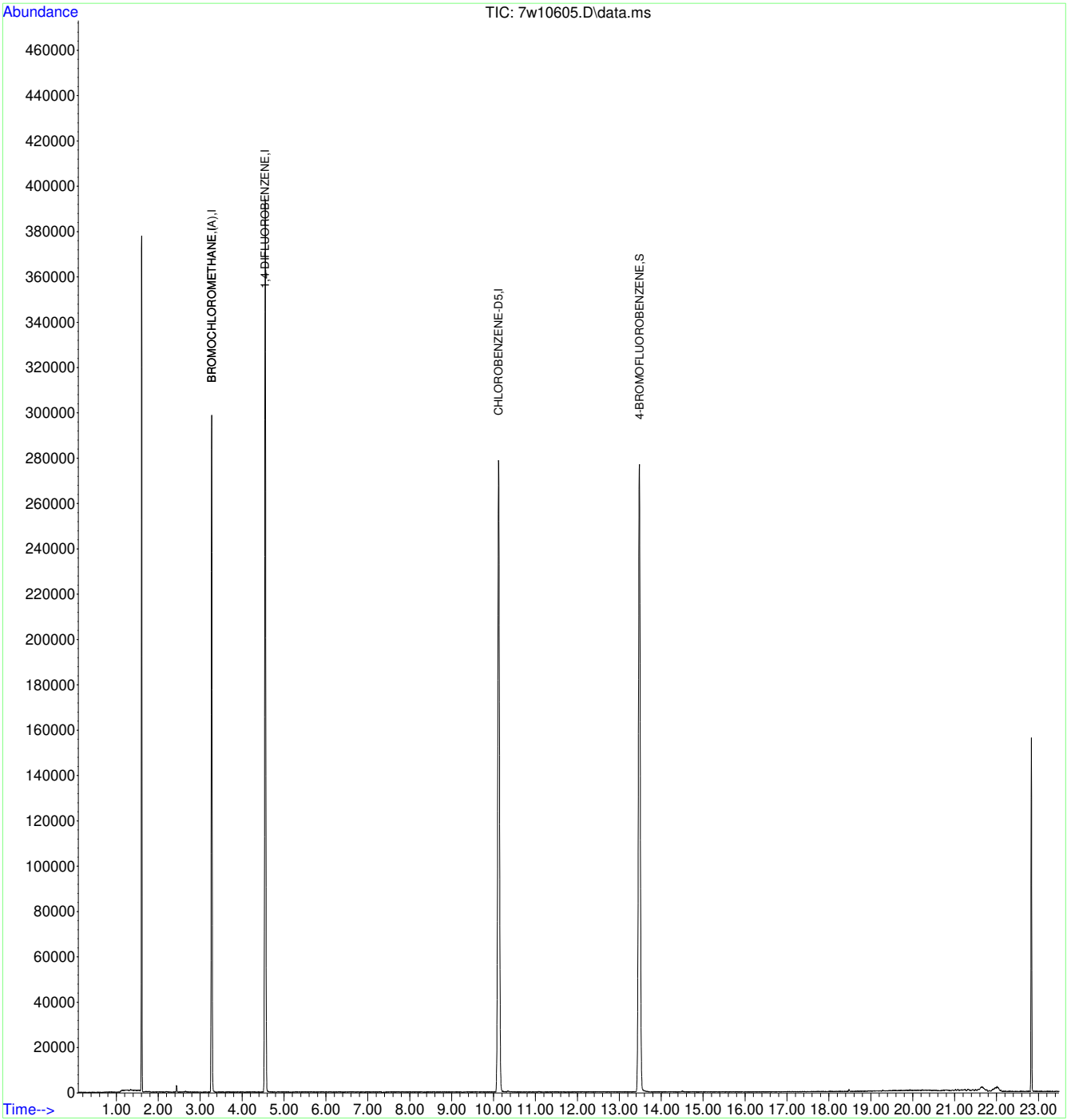
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 303415 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 282366 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 175288 | 8.46 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

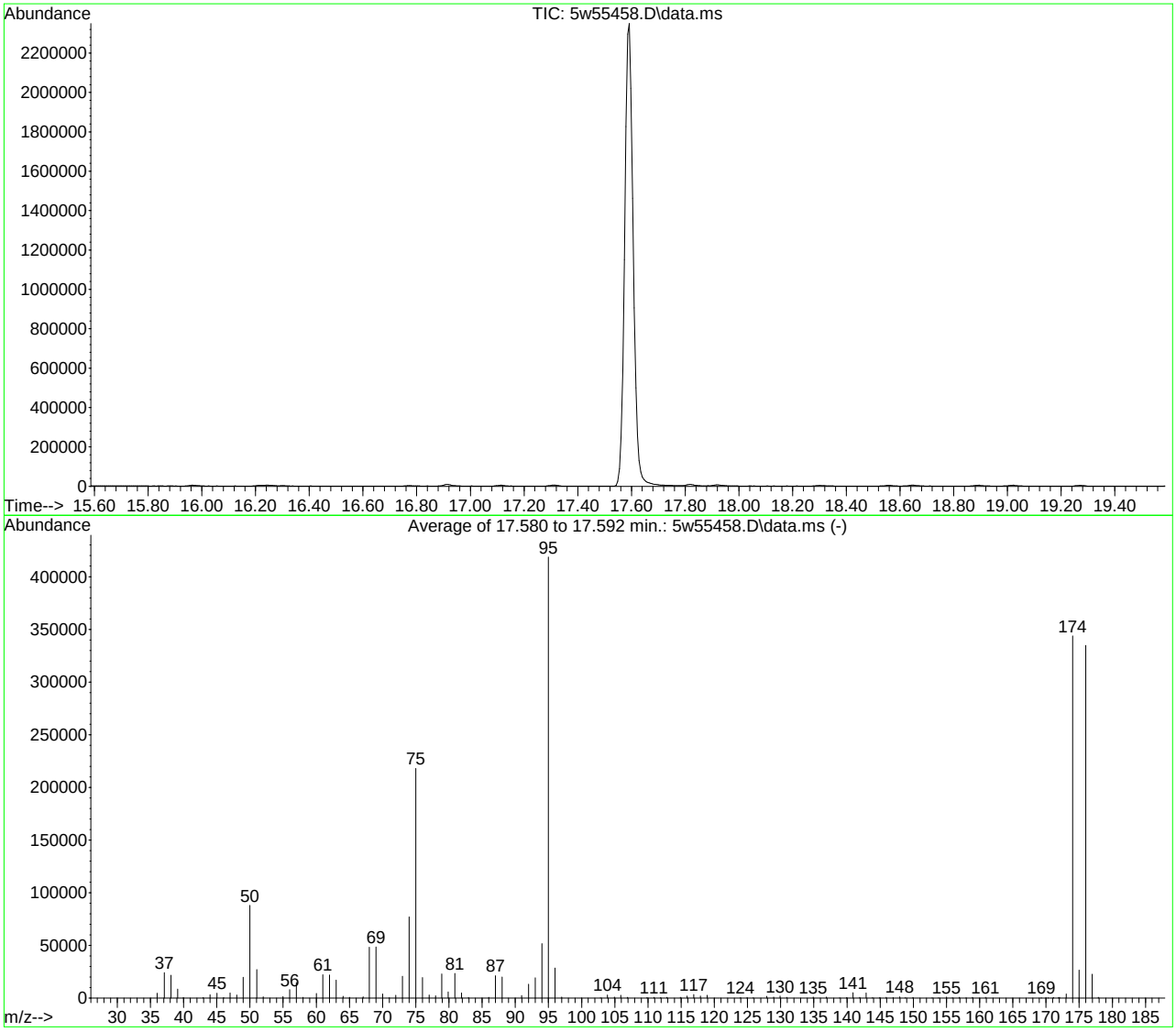
Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D  Vial: 3
Acq On : 9 Dec 2024 3:34 am  Operator: benk
Sample : bfb  Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.0 | 87907 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 218027 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 418581 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 28349 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3695 | PASS |
| 174 | 95 | 50 | 120 | 82.1 | 343765 | PASS |
| 175 | 174 | 4 | 9 | 7.7 | 26424 | PASS |
| 176 | 174 | 93 | 101 | 97.4 | 334720 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 22512 | PASS |

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 4407 | 49.00 | 19752 | 63.00 | 17050 | 75.00 | 218027 |
| 37.10 | 24149 | 50.00 | 87907 | 64.05 | 1657 | 76.00 | 19280 |
| 38.10 | 21723 | 51.05 | 26971 | 65.00 | 509 | 77.00 | 2866 |
| 39.10 | 8398 | 52.00 | 1164 | 67.05 | 1085 | 78.00 | 2061 |
| 39.95 | 461 | 55.00 | 1419 | 68.00 | 48216 | 78.90 | 22733 |
| 42.95 | 285 | 56.00 | 7959 | 69.00 | 48400 | 79.90 | 5787 |
| 44.00 | 3174 | 57.00 | 14433 | 70.00 | 3854 | 80.90 | 23309 |
| 45.05 | 4430 | 58.00 | 691 | 71.00 | 83 | 81.90 | 4746 |
| 46.05 | 362 | 60.00 | 4331 | 72.00 | 2495 | 82.95 | 482 |
| 47.00 | 4807 | 61.00 | 22131 | 73.00 | 20691 | 86.00 | 549 |
| 48.00 | 2719 | 62.00 | 21965 | 74.00 | 77016 | 87.00 | 21008 |

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.00 | 20003 | 105.90 | 2548 | 123.95 | 315 | 140.90 | 5011 |
| 90.95 | 2215 | 106.90 | 509 | 124.90 | 140 | 141.90 | 497 |
| 92.00 | 13106 | 109.85 | 391 | 125.85 | 219 | 142.90 | 4891 |
| 93.00 | 19059 | 110.90 | 592 | 127.90 | 1613 | 143.85 | 348 |
| 94.00 | 51672 | 111.90 | 484 | 128.95 | 795 | 144.95 | 461 |
| 95.00 | 418581 | 112.85 | 566 | 129.90 | 1786 | 145.90 | 568 |
| 96.00 | 28349 | 114.90 | 530 | 130.90 | 598 | 146.95 | 297 |
| 97.00 | 848 | 115.90 | 1936 | 134.90 | 880 | 147.95 | 1090 |
| 102.85 | 239 | 116.90 | 3369 | 136.90 | 963 | 148.80 | 258 |
| 103.90 | 2733 | 117.90 | 1949 | 138.90 | 79 | 149.95 | 436 |
| 104.95 | 754 | 118.90 | 2572 | 139.95 | 354 | 152.85 | 248 |

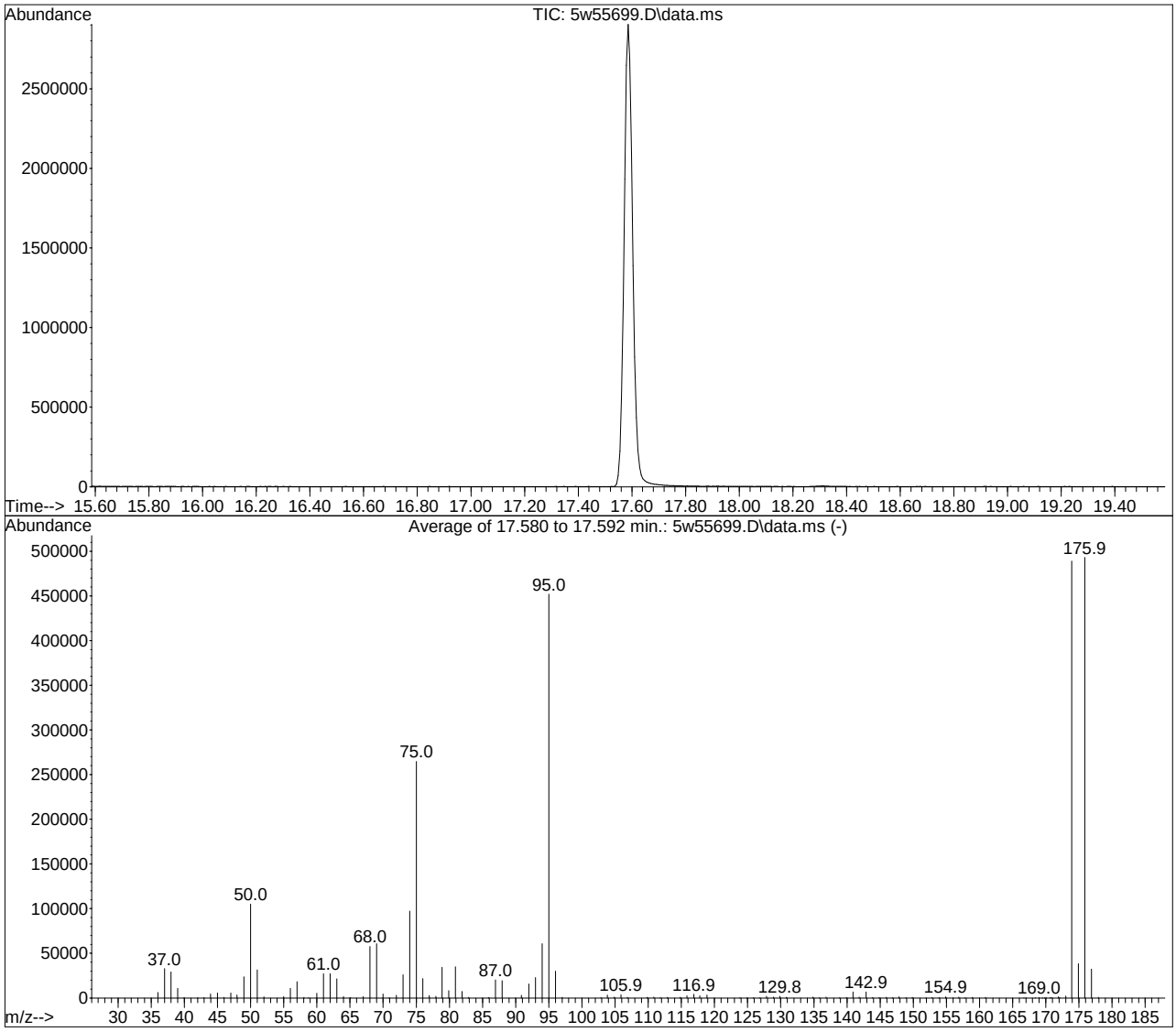
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 153.80 | 101 | 171.90 | 416 | | | | |
| 155.00 | 926 | 172.05 | 748 | | | | |
| 155.90 | 138 | 173.05 | 3695 | | | | |
| 156.95 | 736 | 174.00 | 343765 | | | | |
| 157.95 | 174 | 175.00 | 26424 | | | | |
| 158.90 | 535 | 176.00 | 334720 | | | | |
| 160.90 | 542 | 176.95 | 22512 | | | | |
| 169.30 | 75 | 177.90 | 590 | | | | |
| 170.00 | 113 | | | | | | |
| 170.35 | 183 | | | | | | |
| 171.15 | 260 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 105096 | PASS |
| 75 | 95 | 30 | 66 | 58.6 | 264789 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 452053 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 29944 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2112 | PASS |
| 174 | 95 | 50 | 120 | 108.2 | 488917 | PASS |
| 175 | 174 | 4 | 9 | 7.9 | 38499 | PASS |
| 176 | 174 | 93 | 101 | 100.8 | 492928 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 32312 | PASS |

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6122 | 47.95 | 3333 | 61.00 | 27261 | 73.00 | 25893 |
| 37.00 | 32880 | 49.00 | 23784 | 62.00 | 27029 | 74.00 | 97128 |
| 38.00 | 29173 | 50.00 | 105096 | 63.00 | 21448 | 75.00 | 264789 |
| 39.00 | 10698 | 51.00 | 31357 | 64.00 | 1715 | 76.00 | 21672 |
| 39.95 | 458 | 52.00 | 1362 | 65.05 | 454 | 76.95 | 2719 |
| 42.00 | 70 | 55.00 | 1658 | 67.00 | 1681 | 77.95 | 1788 |
| 42.95 | 414 | 56.00 | 10854 | 68.00 | 57627 | 78.90 | 34237 |
| 43.95 | 4439 | 57.00 | 18149 | 69.00 | 60885 | 79.90 | 8336 |
| 45.00 | 5558 | 58.05 | 704 | 70.00 | 4515 | 80.90 | 35016 |
| 45.95 | 615 | 58.70 | 67 | 70.90 | 159 | 81.90 | 7233 |
| 47.00 | 5559 | 60.00 | 5242 | 72.00 | 3123 | 82.90 | 782 |

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 85.90 | 470 | 103.85 | 3393 | 117.80 | 2408 | 135.80 | 72 |
| 86.95 | 20229 | 104.90 | 995 | 118.85 | 3415 | 136.85 | 1048 |
| 87.95 | 19427 | 105.90 | 3547 | 123.85 | 357 | 138.85 | 187 |
| 90.85 | 2909 | 106.85 | 594 | 124.90 | 68 | 139.90 | 567 |
| 92.00 | 15755 | 109.85 | 600 | 125.85 | 273 | 140.90 | 6636 |
| 93.00 | 22952 | 110.85 | 911 | 126.80 | 93 | 141.85 | 880 |
| 94.00 | 60709 | 111.80 | 536 | 127.85 | 1812 | 142.90 | 6852 |
| 95.00 | 452053 | 112.90 | 865 | 128.90 | 1015 | 143.85 | 425 |
| 96.00 | 29944 | 114.80 | 689 | 129.85 | 1859 | 144.85 | 535 |
| 97.00 | 879 | 115.85 | 2320 | 130.85 | 664 | 145.90 | 870 |
| 102.85 | 434 | 116.90 | 4223 | 134.85 | 994 | 146.85 | 313 |

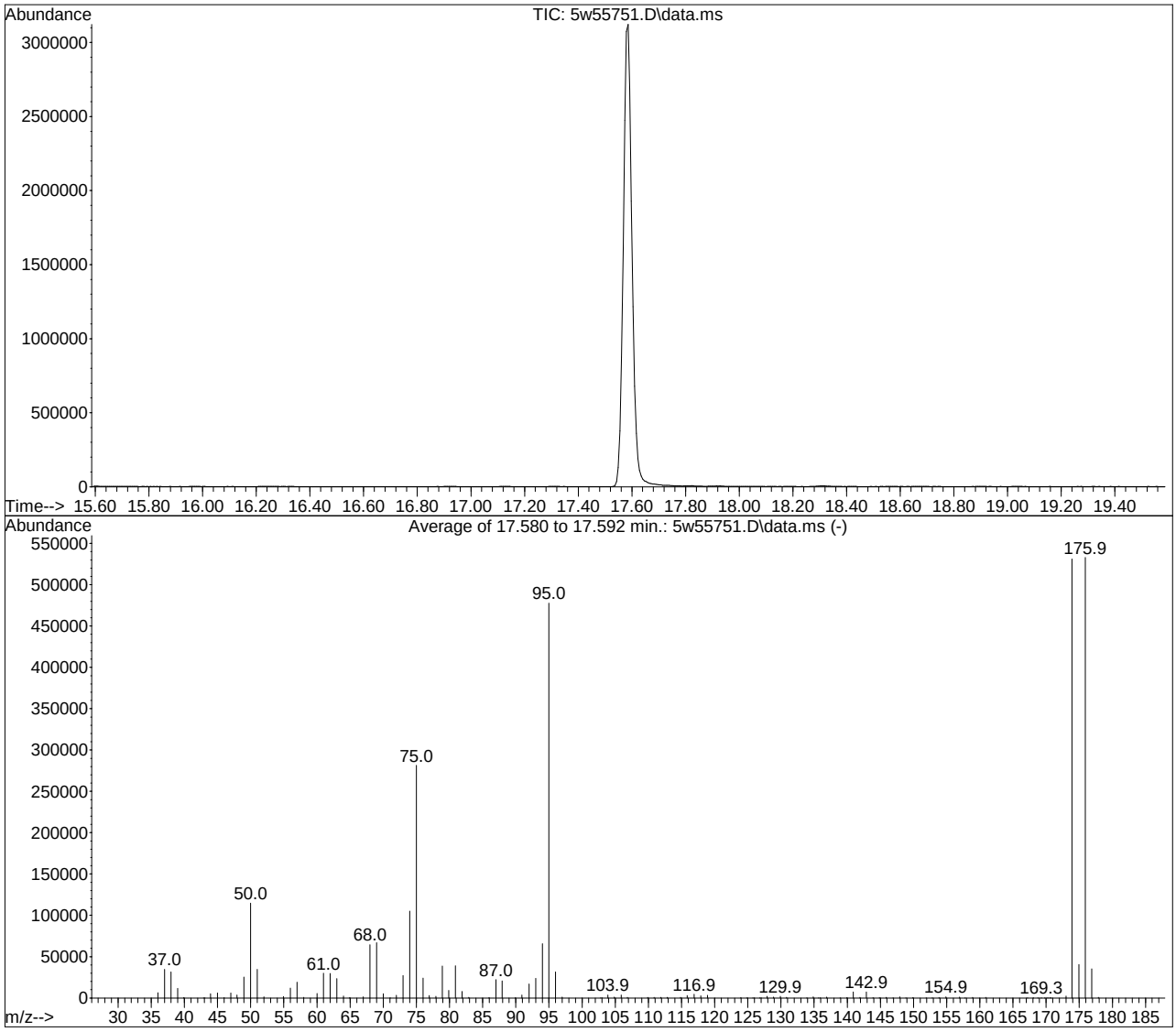
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 147.85 | 1350 | 160.90 | 871 | 172.10 | 526 | | |
| 148.90 | 380 | 166.70 | 73 | 173.00 | 2112 | | |
| 149.85 | 686 | 167.00 | 77 | 173.90 | 488917 | | |
| 151.90 | 234 | 168.40 | 94 | 174.90 | 38499 | | |
| 152.85 | 367 | 169.00 | 316 | 175.90 | 492928 | | |
| 153.90 | 377 | 169.50 | 118 | 176.90 | 32312 | | |
| 154.90 | 1409 | 169.80 | 161 | 177.95 | 825 | | |
| 156.00 | 71 | 170.10 | 175 | | | | |
| 156.85 | 927 | 170.65 | 431 | | | | |
| 157.80 | 91 | 170.90 | 330 | | | | |
| 158.90 | 708 | 171.90 | 1206 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55751.D Vial: 2
Acq On : 19 Dec 2024 3:40 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.0 | 114779 | PASS |
| 75 | 95 | 30 | 66 | 58.9 | 281387 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 477781 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 31525 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2249 | PASS |
| 174 | 95 | 50 | 120 | 111.1 | 531051 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 40389 | PASS |
| 176 | 174 | 93 | 101 | 100.3 | 532885 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 35269 | PASS |

5w55751.D M5w2125.M Fri Dec 20 16:35:05 2024

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6304 | 47.95 | 3603 | 62.00 | 29587 | 74.00 | 105152 |
| 37.00 | 34781 | 49.00 | 25323 | 63.00 | 23488 | 75.00 | 281387 |
| 38.00 | 31531 | 50.00 | 114779 | 64.00 | 2278 | 76.00 | 23981 |
| 39.00 | 11825 | 51.00 | 34544 | 64.95 | 378 | 76.95 | 3094 |
| 39.90 | 457 | 52.00 | 1524 | 67.00 | 1557 | 77.95 | 2113 |
| 42.90 | 169 | 54.95 | 1777 | 68.00 | 64512 | 78.90 | 38840 |
| 43.10 | 244 | 56.00 | 11939 | 69.00 | 66821 | 79.90 | 9234 |
| 43.95 | 5278 | 57.00 | 19253 | 70.00 | 5258 | 80.90 | 38971 |
| 45.00 | 6218 | 58.00 | 876 | 71.05 | 151 | 81.90 | 7825 |
| 46.00 | 554 | 60.00 | 5580 | 72.00 | 3199 | 82.90 | 870 |
| 47.00 | 5948 | 61.00 | 29957 | 73.00 | 27179 | 85.95 | 496 |

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.00 | 22288 | 103.00 | 113 | 116.90 | 4527 | 129.90 | 1996 |
| 87.95 | 20805 | 103.90 | 3724 | 117.90 | 2663 | 130.85 | 942 |
| 89.90 | 69 | 104.85 | 1009 | 118.90 | 3386 | 133.90 | 67 |
| 90.90 | 3508 | 105.90 | 3486 | 123.95 | 383 | 134.85 | 1511 |
| 92.00 | 17025 | 106.85 | 669 | 124.85 | 177 | 135.70 | 113 |
| 93.00 | 23928 | 109.90 | 693 | 125.75 | 234 | 135.90 | 96 |
| 94.00 | 65645 | 110.85 | 825 | 126.00 | 116 | 136.90 | 1196 |
| 95.00 | 477781 | 111.85 | 641 | 126.80 | 155 | 138.95 | 284 |
| 96.00 | 31525 | 112.85 | 870 | 127.00 | 78 | 139.95 | 482 |
| 97.00 | 983 | 114.85 | 718 | 127.90 | 1934 | 140.90 | 7251 |
| 102.80 | 243 | 115.85 | 3032 | 128.85 | 1053 | 141.90 | 918 |

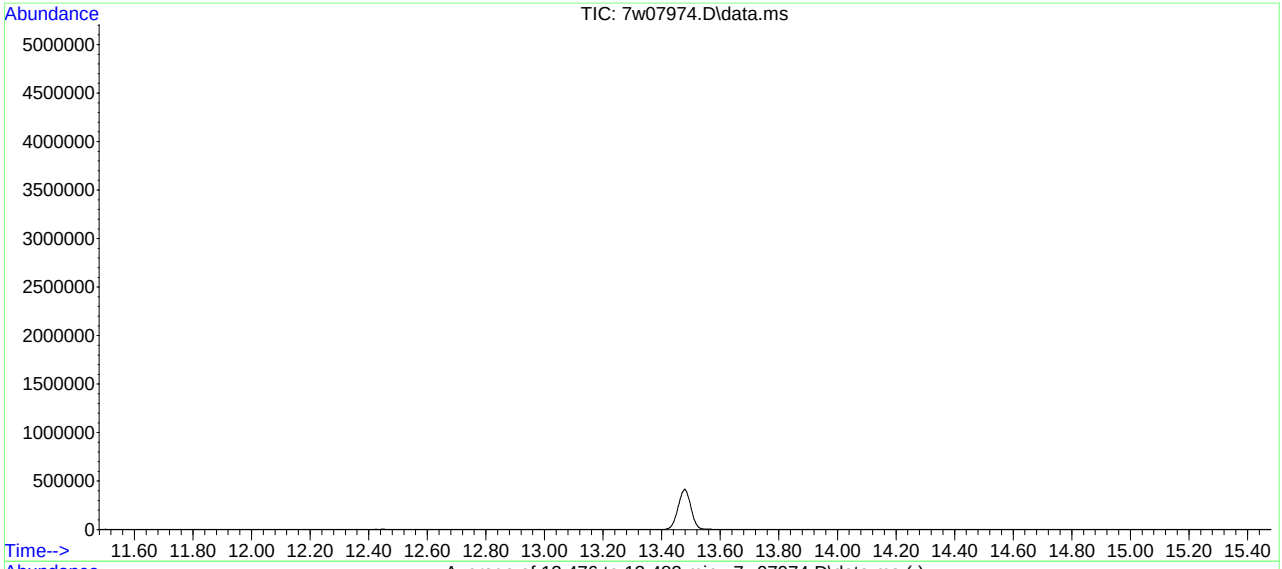
Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 142.90 | 7427 | 154.90 | 1312 | 170.60 | 498 | | |
| 143.90 | 433 | 156.95 | 983 | 170.80 | 260 | | |
| 144.85 | 562 | 157.80 | 69 | 173.00 | 2249 | | |
| 145.85 | 709 | 158.90 | 846 | 173.90 | 531051 | | |
| 146.90 | 347 | 160.90 | 813 | 174.95 | 40389 | | |
| 147.90 | 1421 | 167.20 | 75 | 175.90 | 532885 | | |
| 148.85 | 343 | 168.10 | 96 | 176.90 | 35269 | | |
| 149.90 | 583 | 168.75 | 184 | 177.90 | 944 | | |
| 151.90 | 243 | 169.30 | 241 | | | | |
| 152.85 | 348 | 169.80 | 120 | | | | |
| 153.85 | 386 | 170.25 | 407 | | | | |

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D  Vial: 1
Acq On : 18 Aug 2024 9:06 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w305,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 20443 | PASS |
| 75 | 95 | 30 | 66 | 51.7 | 43320 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 83736 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 5915 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 627 | PASS |
| 174 | 95 | 50 | 120 | 73.5 | 61525 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 4526 | PASS |
| 176 | 174 | 93 | 101 | 95.5 | 58768 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3856 | PASS |

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 954 | 50.00 | 20443 | 64.00 | 287 | 77.90 | 308 |
| 37.00 | 5028 | 51.00 | 6530 | 67.05 | 196 | 78.90 | 2955 |
| 38.00 | 4273 | 52.00 | 277 | 68.00 | 8935 | 79.90 | 767 |
| 39.05 | 1813 | 55.05 | 302 | 69.00 | 9076 | 80.90 | 3037 |
| 43.00 | 64 | 55.95 | 1451 | 70.00 | 861 | 81.85 | 668 |
| 44.00 | 709 | 57.00 | 2901 | 71.85 | 499 | 82.80 | 43 |
| 45.00 | 966 | 58.05 | 156 | 73.00 | 3880 | 83.10 | 21 |
| 46.15 | 74 | 60.00 | 997 | 74.00 | 15013 | 85.90 | 103 |
| 46.95 | 1367 | 61.00 | 4528 | 75.00 | 43320 | 86.95 | 3242 |
| 47.95 | 630 | 62.00 | 4774 | 76.00 | 3458 | 87.95 | 2880 |
| 49.00 | 4424 | 63.00 | 3558 | 77.00 | 539 | 90.85 | 322 |

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2543 | 110.70 | 18 | 127.80 | 278 | 142.90 | 820 |
| 93.00 | 3598 | 111.05 | 100 | 128.70 | 51 | 144.00 | 19 |
| 94.00 | 10531 | 111.85 | 87 | 128.85 | 135 | 145.10 | 22 |
| 95.00 | 83736 | 112.80 | 110 | 129.85 | 322 | 145.90 | 187 |
| 96.00 | 5915 | 114.85 | 70 | 130.85 | 96 | 146.70 | 18 |
| 96.95 | 196 | 115.85 | 319 | 134.75 | 134 | 147.90 | 227 |
| 103.90 | 411 | 116.85 | 545 | 136.90 | 163 | 148.70 | 25 |
| 104.80 | 147 | 117.85 | 347 | 139.70 | 38 | 149.85 | 79 |
| 105.85 | 388 | 118.85 | 467 | 139.90 | 58 | 151.90 | 22 |
| 106.90 | 91 | 123.80 | 42 | 140.90 | 764 | 154.80 | 150 |
| 109.80 | 78 | 126.90 | 18 | 141.85 | 63 | 156.90 | 122 |

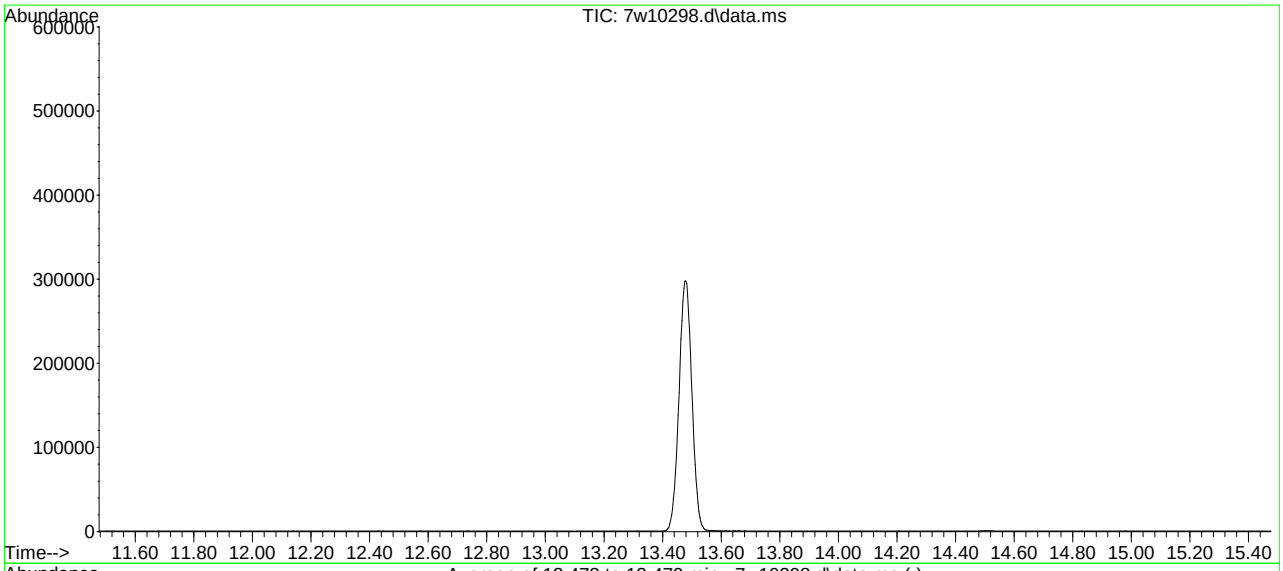
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 158.70 | 34 | | | | | | |
| 158.85 | 62 | | | | | | |
| 160.80 | 94 | | | | | | |
| 171.90 | 37 | | | | | | |
| 173.05 | 627 | | | | | | |
| 173.90 | 61525 | | | | | | |
| 174.90 | 4526 | | | | | | |
| 175.90 | 58768 | | | | | | |
| 176.90 | 3856 | | | | | | |
| 177.85 | 99 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10298.d Vial: 1
Acq On : 6 Nov 2024 8:30 am Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.4 | 13433 | PASS |
| 75 | 95 | 30 | 66 | 49.8 | 31192 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 62667 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4090 | PASS |
| 173 | 174 | 0.00 | 2 | 0.6 | 262 | PASS |
| 174 | 95 | 50 | 120 | 74.4 | 46624 | PASS |
| 175 | 174 | 4 | 9 | 7.8 | 3614 | PASS |
| 176 | 174 | 93 | 101 | 98.8 | 46085 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3024 | PASS |

7w10298.d M7W305.M Thu Nov 07 04:34:32 2024

Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 563 | 51.05 | 4154 | 66.95 | 139 | 78.90 | 1523 |
| 37.00 | 2915 | 52.00 | 184 | 68.00 | 6332 | 79.90 | 438 |
| 38.00 | 2686 | 55.00 | 149 | 69.00 | 6167 | 80.90 | 1522 |
| 39.05 | 1046 | 56.00 | 976 | 70.05 | 419 | 81.90 | 317 |
| 39.90 | 12 | 57.00 | 1802 | 71.95 | 244 | 85.90 | 36 |
| 44.00 | 230 | 58.05 | 69 | 73.00 | 2655 | 87.00 | 2868 |
| 45.00 | 630 | 59.95 | 613 | 74.00 | 10066 | 87.95 | 2611 |
| 47.00 | 1101 | 61.00 | 3280 | 75.00 | 31192 | 90.95 | 233 |
| 48.00 | 388 | 62.00 | 3270 | 76.00 | 2748 | 92.00 | 1793 |
| 49.00 | 2710 | 63.00 | 2095 | 76.95 | 344 | 93.00 | 2338 |
| 50.05 | 13433 | 63.95 | 201 | 77.90 | 324 | 94.00 | 7032 |

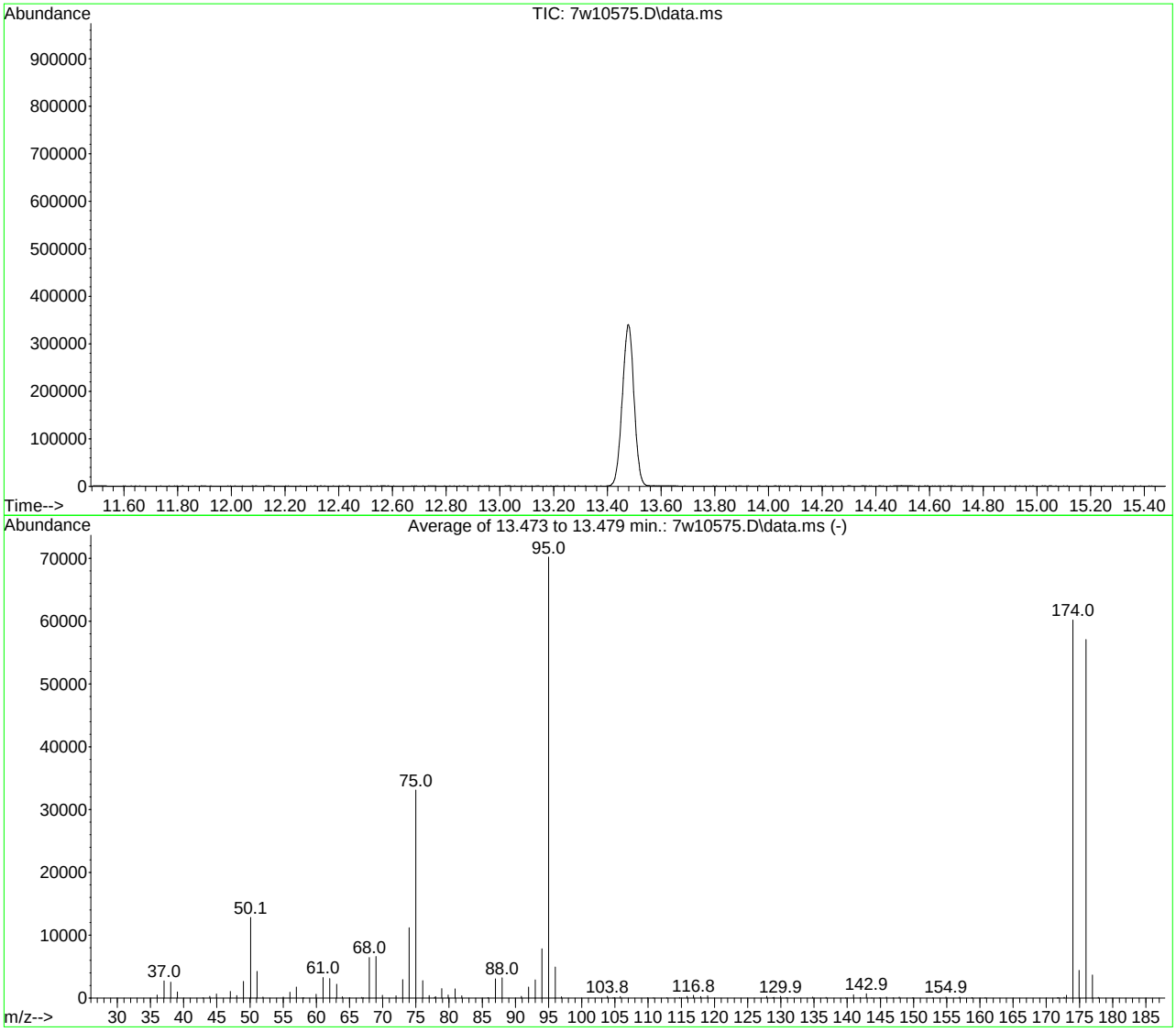
Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 95.00 | 62667 | 116.90 | 348 | 141.80 | 65 | 172.95 | 262 |
| 96.00 | 4090 | 117.85 | 191 | 142.90 | 519 | 173.95 | 46624 |
| 96.95 | 86 | 118.85 | 328 | 145.80 | 48 | 174.95 | 3614 |
| 103.85 | 240 | 123.80 | 17 | 147.80 | 147 | 176.00 | 46085 |
| 104.70 | 19 | 127.85 | 211 | 149.85 | 41 | 176.95 | 3024 |
| 104.95 | 47 | 128.85 | 88 | 154.90 | 105 | 177.85 | 85 |
| 105.90 | 277 | 129.85 | 194 | 156.90 | 50 | | |
| 106.80 | 49 | 131.00 | 53 | 158.90 | 53 | | |
| 110.80 | 37 | 134.80 | 100 | 160.75 | 78 | | |
| 114.90 | 50 | 136.85 | 107 | 171.80 | 17 | | |
| 115.95 | 246 | 140.95 | 494 | 172.20 | 25 | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.3 | 12830 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 33101 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70203 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 4918 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 423 | PASS |
| 174 | 95 | 50 | 120 | 85.7 | 60187 | PASS |
| 175 | 174 | 4 | 9 | 7.3 | 4410 | PASS |
| 176 | 174 | 93 | 101 | 94.8 | 57075 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3652 | PASS |

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 475 | 51.05 | 4235 | 63.90 | 177 | 76.05 | 2751 |
| 37.05 | 2709 | 51.95 | 158 | 65.00 | 37 | 77.00 | 389 |
| 38.05 | 2533 | 55.00 | 140 | 66.85 | 109 | 77.80 | 90 |
| 39.05 | 947 | 56.00 | 916 | 67.10 | 37 | 77.95 | 221 |
| 42.90 | 23 | 57.00 | 1757 | 68.00 | 6431 | 78.90 | 1509 |
| 43.95 | 261 | 57.90 | 27 | 69.00 | 6603 | 79.85 | 467 |
| 44.95 | 636 | 58.10 | 20 | 69.95 | 418 | 80.90 | 1455 |
| 47.05 | 1056 | 59.95 | 592 | 72.00 | 348 | 81.90 | 341 |
| 48.00 | 407 | 61.00 | 3253 | 73.00 | 2933 | 85.85 | 76 |
| 49.00 | 2644 | 62.00 | 3100 | 74.00 | 11184 | 87.00 | 3069 |
| 50.10 | 12830 | 63.05 | 2183 | 75.00 | 33101 | 88.00 | 3197 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 90.90 | 255 | 109.90 | 18 | 129.95 | 257 | 146.90 | 19 |
| 92.00 | 1740 | 110.80 | 17 | 130.85 | 68 | 147.85 | 138 |
| 93.00 | 2896 | 112.80 | 29 | 134.80 | 126 | 149.90 | 44 |
| 94.00 | 7840 | 114.75 | 68 | 136.80 | 115 | 152.90 | 28 |
| 95.00 | 70203 | 115.85 | 259 | 139.80 | 18 | 154.90 | 165 |
| 96.00 | 4918 | 116.85 | 426 | 140.95 | 528 | 156.95 | 137 |
| 96.95 | 169 | 117.90 | 226 | 141.95 | 63 | 158.80 | 72 |
| 103.85 | 284 | 118.95 | 352 | 142.90 | 664 | 160.80 | 50 |
| 104.70 | 19 | 127.85 | 254 | 143.70 | 17 | 171.70 | 27 |
| 104.90 | 64 | 128.80 | 58 | 144.90 | 40 | 171.85 | 79 |
| 105.80 | 241 | 128.95 | 102 | 145.90 | 126 | 172.70 | 98 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 173.05 | 423 | | | | | | |
| 174.00 | 60187 | | | | | | |
| 174.95 | 4410 | | | | | | |
| 176.00 | 57075 | | | | | | |
| 176.95 | 3652 | | | | | | |
| 177.85 | 105 | | | | | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 339655 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1562017 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 815644 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 339655 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 987267 | 10.65 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 2172 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 1042 | 0.04 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 402 | 0.03 | PPBV | # | 42 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 2393 | 0.04 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 5059 | 0.04 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 1813 | 0.06 | PPBV | # | 71 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 5772 | 0.05 | PPBV | | 93 |
| 9) FREON 114 | 3.839 | 85 | 6871 | 0.04 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.778 | 52 | 563 | 0.04 | PPBV | # | 19 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2457 | 0.04 | PPBV | # | 88 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 2084 | 0.06 | PPBV | # | 65 |
| 15) CHLOROETHANE | 4.365 | 64 | 1195 | 0.05 | PPBV | | 73 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 6506 | 0.05 | PPBV | # | 97 |
| 19) FREON 123 | 4.739 | 83 | 6283 | 0.05 | PPBV | # | 69 |
| 20) FREON 123A | 4.782 | 117 | 3192 | 0.05 | PPBV | # | 67 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 4659 | 0.04 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 1715 | 0.05 | PPBV | | 85 |
| 25) IODOMETHANE | 5.424 | 142 | 3839 | 0.04 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.491 | 96 | 1503 | 0.04 | PPBV | | 85 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 3987 | 0.04 | PPBV | # | 71 |
| 29) BROMOETHENE | 4.629 | 106 | 2097 | 0.04 | PPBV | # | 72 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1675 | 0.05 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 558 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.822 | 151 | 2213 | 0.04 | PPBV | | 85 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1478 | 0.04 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.662 | 59 | 2332 | 0.03 | PPBV | # | 69 |
| 36) METHYL TERTIARY BUTYL ... | 6.806 | 73 | 3795 | 0.04 | PPBV | | 88 |
| 38) HEXANE | 7.706 | 57 | 1901 | 0.03 | PPBV | # | 76 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 2879 | 0.04 | PPBV | | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 1626 | 0.04 | PPBV | | 83 |
| 46) CHLOROFORM | 7.810 | 83 | 3517 | 0.04 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2035 | 0.03 | PPBV | | 84 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 3477 | 0.04 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 3442 | 0.04 | PPBV | | 88 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 2033 | 0.03 | PPBV | # | 91 |
| 52) BENZENE | 9.400 | 78 | 4500 | 0.04 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 1364 | 0.03 | PPBV | | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 683 | 0.03 | PPBV | # | 38 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 2173 | 0.04 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 1879 | 0.04 | PPBV | | 67 |
| 57) DIBROMOMETHANE | 10.349 | 174 | 2796 | 0.05 | PPBV | | 95 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 3467 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 6036 | 0.03 | PPBV | # | 91 |
| 62) HEPTANE | 11.040 | 43 | 2264 | 0.03 | PPBV | | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.756 | 75 | 2163 | 0.03 | PPBV | | 73 |
| 66) TOLUENE | 12.979 | 92 | 2538 | 0.03 | PPBV | | 95 |
| 67) 1,3-DICHLOROPROPANE | 13.028 | 76 | 2245 | 0.03 | PPBV | # | 80 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

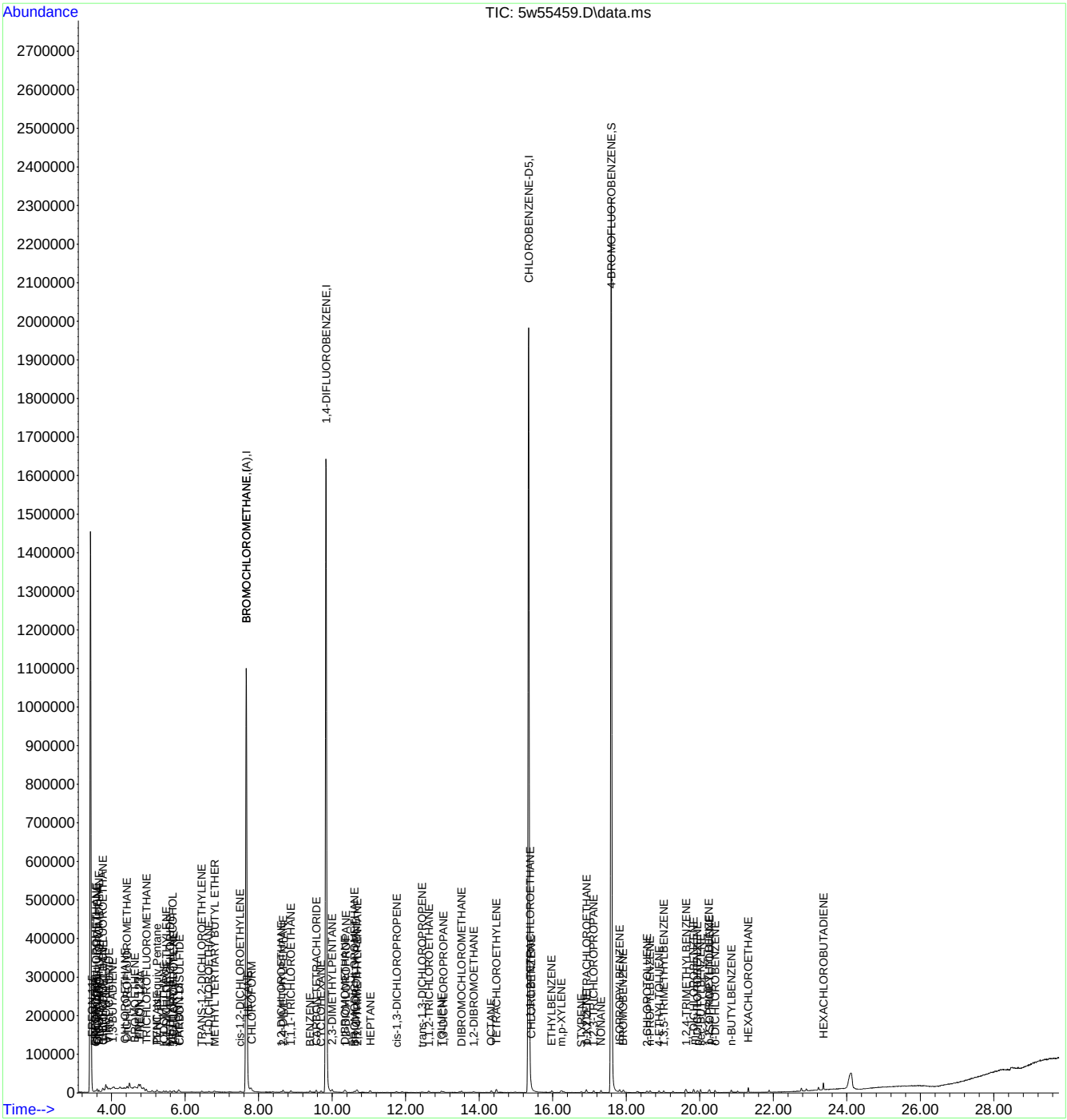
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 68) | trans-1,3-DICHLOROPROPENE | 12.441 | 75 | 1621 | 0.02 | PPBV | # | 72 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.631 | 83 | 1711 | 0.03 | PPBV | | 91 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 2289 | 0.04 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 2451 | 0.02 | PPBV | | 92 |
| 75) | 1,2-DIBROMOETHANE | 13.848 | 107 | 2444 | 0.03 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 2490 | 0.03 | PPBV | | 88 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 2034 | 0.03 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 4300 | 0.04 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.971 | 91 | 5680 | 0.03 | PPBV | | 91 |
| 80) | m,p-XYLENE | 16.234 | 106 | 3582 | 0.05 | PPBV | # | 78 |
| 81) | o-XYLENE | 16.913 | 106 | 1696 | 0.03 | PPBV | | 91 |
| 82) | STYRENE | 16.778 | 104 | 2235 | 0.02 | PPBV | | 85 |
| 83) | NONANE | 17.311 | 43 | 2668 | 0.03 | PPBV | # | 83 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.925 | 83 | 4487 | 0.04 | PPBV | # | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 3082 | 0.04 | PPBV | | 85 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 6235 | 0.03 | PPBV | | 95 |
| 89) | BROMOBENZENE | 17.916 | 77 | 3942 | 0.04 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.565 | 126 | 1257 | 0.03 | PPBV | | 59 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 1200 | 0.02 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 4926 | 0.03 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 4056 | 0.03 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 4381 | 0.03 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 3796 | 0.03 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 3500 | 0.03 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 1089 | 0.03 | PPBV | # | 90 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4328 | 0.03 | PPBV | # | 95 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1184 | 0.02 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.418 | 146 | 3642 | 0.03 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 927 | 0.02 | PPBV | # | 53 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2307 | 0.03 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 3647 | 0.03 | PPBV | | 91 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 13331 | 0.06 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 333430 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1533309 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 804190 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 333430 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985635 | 10.78 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.472 | 119 | 5523 | 0.10 | PPBV | | 97 |
| 3) FREON 152A | 3.552 | 65 | 2440 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.588 | 67 | 1205 | 0.09 | PPBV | | 74 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 5398 | 0.09 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12499 | 0.10 | PPBV | | 99 |
| 7) PROPYLENE | 3.607 | 41 | 3754 | 0.13 | PPBV | | 84 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 13615 | 0.11 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 17687 | 0.12 | PPBV | | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1884 | 0.12 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 5930 | 0.11 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 4083 | 0.11 | PPBV | # | 72 |
| 13) n-BUTANE | 4.072 | 43 | 9842 | 0.15 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 8281 | 0.15 | PPBV | | 91 |
| 15) CHLOROETHANE | 4.365 | 64 | 2881 | 0.12 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 14568 | 0.12 | PPBV | | 97 |
| 17) ACETONITRILE | 4.647 | 41 | 4678 | 0.12 | PPBV | # | 65 |
| 18) ACROLEIN | 4.739 | 56 | 2049 | 0.11 | PPBV | # | 1 |
| 19) FREON 123 | 4.739 | 83 | 14828 | 0.12 | PPBV | | 96 |
| 20) FREON 123A | 4.788 | 117 | 7831 | 0.12 | PPBV | | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 11923 | 0.11 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.093 | 45 | 9920 | 0.14 | PPBV | | 92 |
| 24) PENTANE | 5.240 | 42 | 3946 | 0.11 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 9585 | 0.10 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 3785 | 0.11 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.858 | 76 | 10145 | 0.10 | PPBV | | 92 |
| 29) BROMOETHENE | 4.622 | 106 | 5236 | 0.10 | PPBV | | 91 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 3905 | 0.11 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.705 | 76 | 1660 | 0.10 | PPBV | # | 52 |
| 33) FREON 113 | 5.828 | 151 | 6007 | 0.10 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 4040 | 0.11 | PPBV | | 81 |
| 35) TERTIARY BUTYL ALCOHOL | 5.650 | 59 | 6051 | 0.08 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 6.794 | 73 | 8939 | 0.09 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.366 | 72 | 939 | 0.06 | PPBV | # | 61 |
| 38) HEXANE | 7.712 | 57 | 4501 | 0.08 | PPBV | | 85 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 7146 | 0.10 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.155 | 72 | 815 | 0.05 | PPBV | # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 4154 | 0.10 | PPBV | | 84 |
| 43) DIISOPROPYL ETHER | 7.779 | 59 | 1194 | 0.07 | PPBV | # | 60 |
| 44) ETHYL ACETATE | 7.834 | 61 | 535 | 0.04 | PPBV | # | 38 |
| 46) CHLOROFORM | 7.810 | 83 | 8944 | 0.10 | PPBV | | 91 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5058 | 0.08 | PPBV | | 87 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 9054 | 0.10 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8961 | 0.09 | PPBV | | 97 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 5541 | 0.09 | PPBV | | 96 |
| 52) BENZENE | 9.400 | 78 | 10879 | 0.09 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.706 | 84 | 3668 | 0.08 | PPBV | | 94 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 1964 | 0.08 | PPBV | # | 73 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

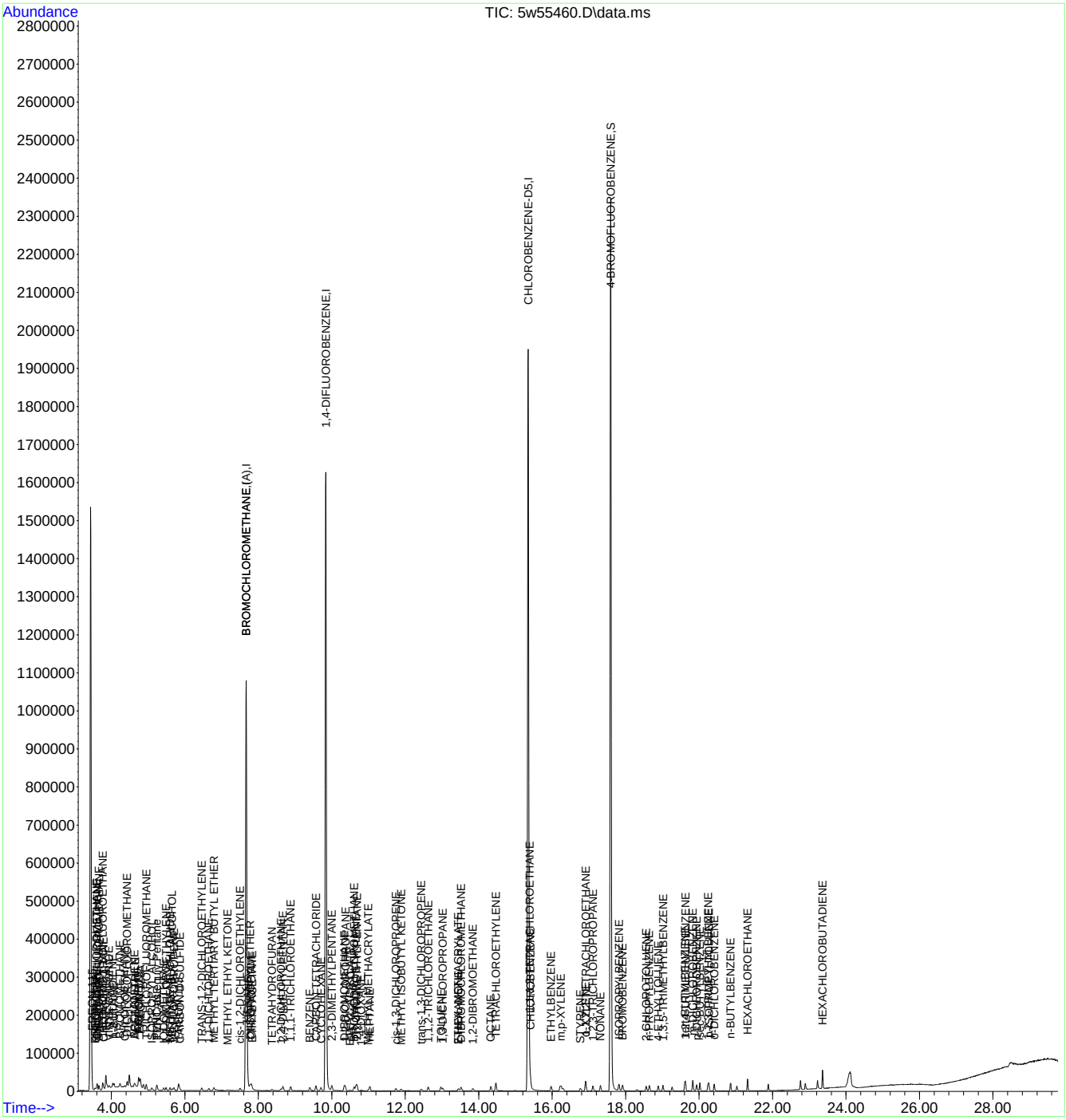
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 5207 | 0.09 | PPBV | | 94 |
| 56) | 1,2-DICHLOROPROPANE | 10.373 | 63 | 4453 | 0.09 | PPBV | | 93 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 5531 | 0.10 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.495 | 55 | 4814 | 0.06 | PPBV | # | 73 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 8911 | 0.08 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 14978 | 0.08 | PPBV | | 94 |
| 61) | 1,4-DIOXANE | 10.801 | 88 | 2000 | 0.07 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 5175 | 0.08 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.991 | 69 | 2482 | 0.06 | PPBV | # | 65 |
| 64) | METHYL ISOBUTYL KETONE | 11.890 | 58 | 1969 | 0.06 | PPBV | # | 71 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.743 | 75 | 5623 | 0.07 | PPBV | | 92 |
| 66) | TOLUENE | 12.973 | 92 | 6560 | 0.08 | PPBV | | 97 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 6020 | 0.08 | PPBV | # | 91 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 4364 | 0.06 | PPBV | | 84 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.624 | 83 | 4269 | 0.09 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.450 | 58 | 1982 | 0.04 | PPBV | # | 42 |
| 72) | ETHYL METHACRYLATE | 13.432 | 69 | 3502 | 0.05 | PPBV | # | 90 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 5984 | 0.11 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.517 | 129 | 7109 | 0.07 | PPBV | | 95 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 7065 | 0.09 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 6427 | 0.08 | PPBV | | 92 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 6008 | 0.10 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 11162 | 0.10 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 14102 | 0.08 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.234 | 106 | 9481 | 0.14 | PPBV | | 99 |
| 81) | o-XYLENE | 16.907 | 106 | 4760 | 0.07 | PPBV | | 90 |
| 82) | STYRENE | 16.766 | 104 | 6206 | 0.06 | PPBV | | 94 |
| 83) | NONANE | 17.310 | 43 | 6297 | 0.07 | PPBV | # | 91 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 11296 | 0.09 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 8353 | 0.10 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 15817 | 0.08 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.916 | 77 | 9455 | 0.09 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3541 | 0.07 | PPBV | | 88 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 3339 | 0.07 | PPBV | | 94 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 13159 | 0.07 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 11418 | 0.07 | PPBV | | 95 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 2169 | 0.06 | PPBV | # | 89 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 10880 | 0.06 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 9479 | 0.08 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 9928 | 0.09 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 2915 | 0.07 | PPBV | | 92 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 11857 | 0.07 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 3311 | 0.07 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 9802 | 0.09 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 2781 | 0.06 | PPBV | # | 75 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 6060 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 8613 | 0.08 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 32564 | 0.14 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 334972 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1532765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 812540 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 334972 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 990143 | 10.72 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 9311 | 0.17 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 5104 | 0.20 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2636 | 0.19 | PPBV | | 89 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 11548 | 0.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 25208 | 0.20 | PPBV | | 98 |
| 7) PROPYLENE | 3.601 | 41 | 6295 | 0.22 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 27839 | 0.22 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 35981 | 0.24 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 3787 | 0.24 | PPBV | # | 76 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 12507 | 0.23 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 8476 | 0.24 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 17914 | 0.27 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 13070 | 0.24 | PPBV | | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 5838 | 0.24 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 28789 | 0.24 | PPBV | | 99 |
| 17) ACETONITRILE | 4.641 | 41 | 10098 | 0.26 | PPBV | # | 79 |
| 18) ACROLEIN | 4.732 | 56 | 3711 | 0.20 | PPBV | # | 16 |
| 19) FREON 123 | 4.739 | 83 | 29093 | 0.24 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 16016 | 0.24 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 24059 | 0.21 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.087 | 45 | 17230 | 0.24 | PPBV | | 79 |
| 23) ACETONE | 4.861 | 58 | 9631 | 0.44 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 7781 | 0.22 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 19206 | 0.19 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 7466 | 0.21 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 21129 | 0.20 | PPBV | | 96 |
| 29) BROMOETHENE | 4.616 | 106 | 11097 | 0.22 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.222 | 52 | 13028 | 0.58 | PPBV | | 95 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 7591 | 0.22 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 3438 | 0.20 | PPBV | # | 65 |
| 33) FREON 113 | 5.821 | 151 | 11480 | 0.19 | PPBV | | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 7568 | 0.20 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.638 | 59 | 12091 | 0.16 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.776 | 73 | 17880 | 0.17 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.342 | 72 | 2081 | 0.12 | PPBV | # | 61 |
| 38) HEXANE | 7.706 | 57 | 9519 | 0.17 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.843 | 86 | 448 | 0.07 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 14588 | 0.20 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.137 | 72 | 2221 | 0.13 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 7416 | 0.19 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.767 | 59 | 2706 | 0.16 | PPBV | # | 82 |
| 44) ETHYL ACETATE | 7.810 | 61 | 1722 | 0.14 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.797 | 55 | 9313m | 0.13 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 18397 | 0.21 | PPBV | | 92 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 11164 | 0.17 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 17633 | 0.20 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 18453 | 0.19 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 12009 | 0.20 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 21730 | 0.19 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 7528 | 0.16 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4203 | 0.17 | PPBV | # | 84 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 10750 | 0.18 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 9173 | 0.19 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 11081 | 0.21 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.477 | 55 | 10722 | 0.12 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 18157 | 0.17 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 30352 | 0.16 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.777 | 88 | 4553 | 0.16 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 10843 | 0.17 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.985 | 69 | 5874 | 0.14 | PPBV | | 88 |
| 64) | METHYL ISOBUTYL KETONE | 11.872 | 58 | 4610 | 0.13 | PPBV | # | 75 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 12276 | 0.15 | PPBV | | 93 |
| 66) | TOLUENE | 12.967 | 92 | 13467 | 0.16 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 12399 | 0.17 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 10502 | 0.14 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 9074 | 0.19 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.426 | 58 | 5591 | 0.12 | PPBV | # | 68 |
| 72) | ETHYL METHACRYLATE | 13.426 | 69 | 7979 | 0.12 | PPBV | | 92 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 11793 | 0.22 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 14897 | 0.15 | PPBV | | 98 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 14712 | 0.18 | PPBV | # | 97 |
| 76) | OCTANE | 14.331 | 43 | 13225 | 0.16 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 12320 | 0.19 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 22541 | 0.21 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 29130 | 0.17 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.240 | 106 | 19915 | 0.30 | PPBV | | 97 |
| 81) | o-XYLENE | 16.907 | 106 | 9697 | 0.15 | PPBV | | 95 |
| 82) | STYRENE | 16.760 | 104 | 13243 | 0.14 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 13708 | 0.16 | PPBV | | 97 |
| 84) | BROMOFORM | 16.295 | 173 | 8706 | 0.09 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 24040 | 0.20 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.102 | 75 | 17778 | 0.21 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 32811 | 0.17 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 19537 | 0.19 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 7829 | 0.16 | PPBV | | 94 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 7841 | 0.15 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 27822 | 0.15 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 24334 | 0.15 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 9644 | 0.12 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 4755 | 0.14 | PPBV | | 90 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 25504 | 0.15 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 21451 | 0.17 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 23238 | 0.13 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 21116 | 0.18 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 6501 | 0.16 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 25578 | 0.15 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 7256 | 0.15 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 20937 | 0.19 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 6435 | 0.14 | PPBV | # | 88 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 12703 | 0.15 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 17057 | 0.16 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 16218 | 0.16 | PPBV | | 98 |
| 108) | NAPHTHALENE | 22.890 | 128 | 33921 | 0.14 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 75387 | 0.32 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

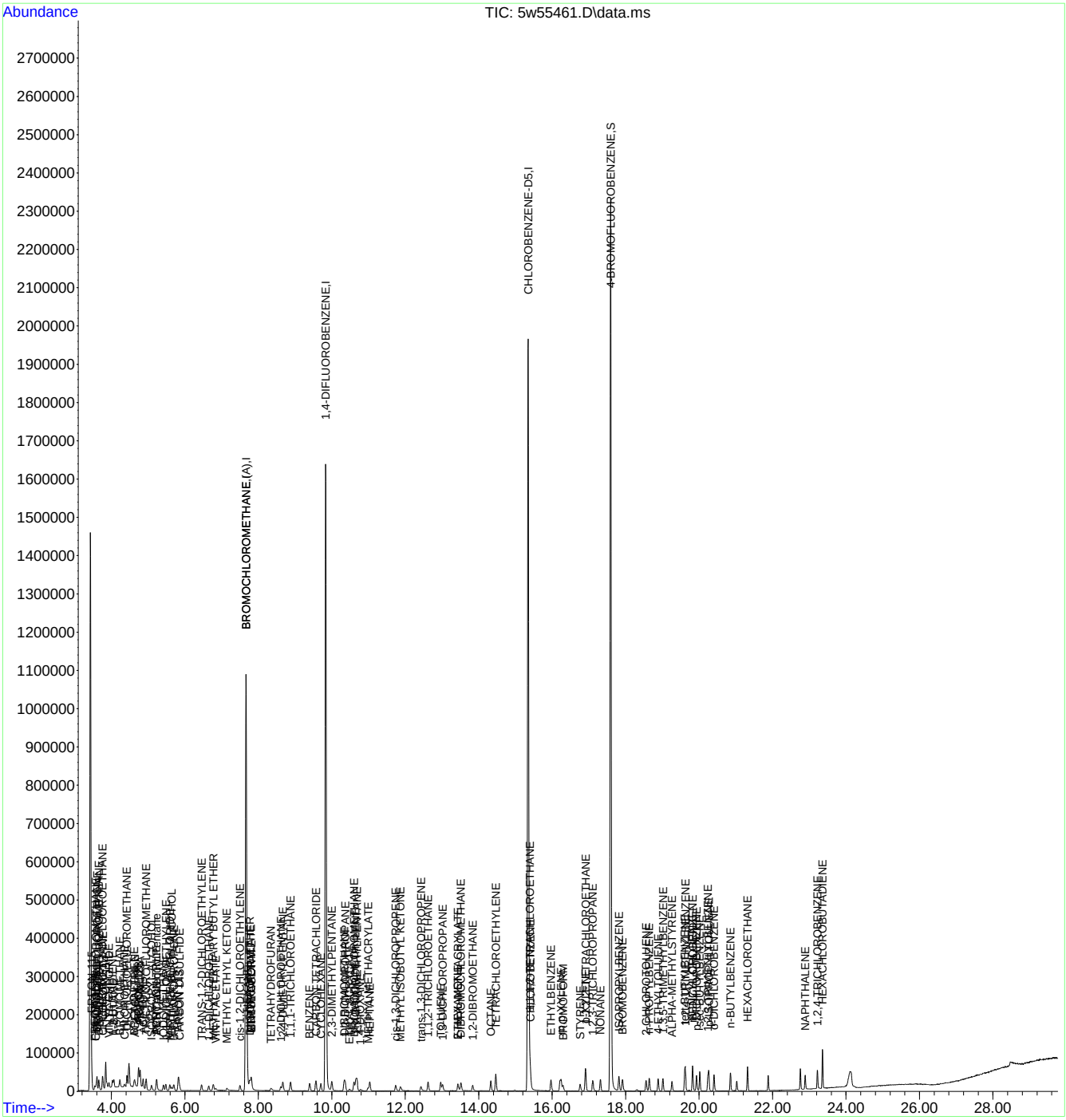
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

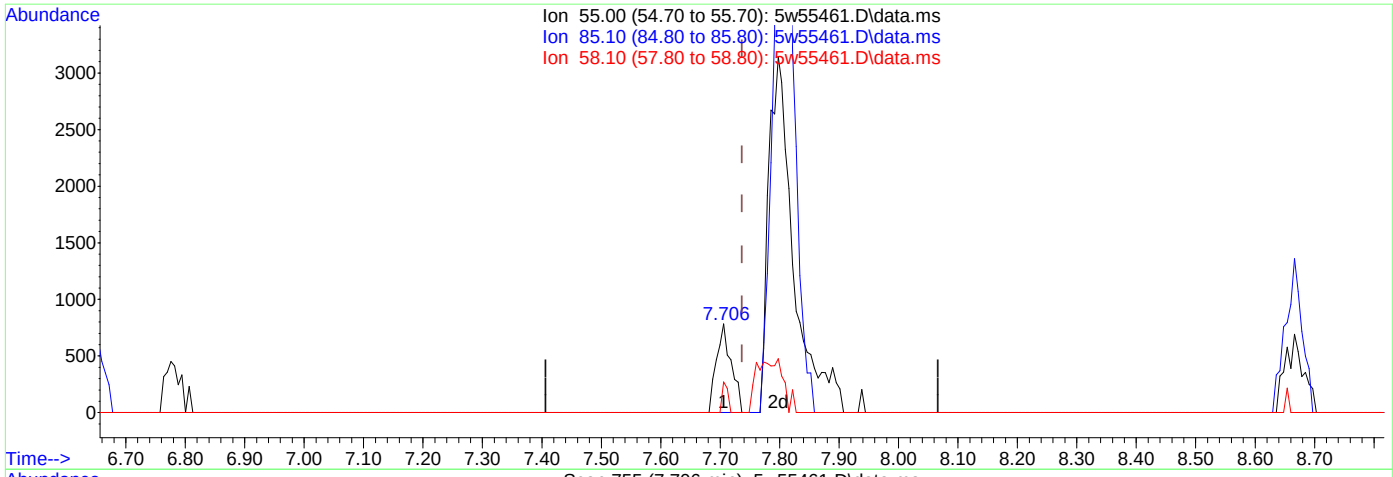
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

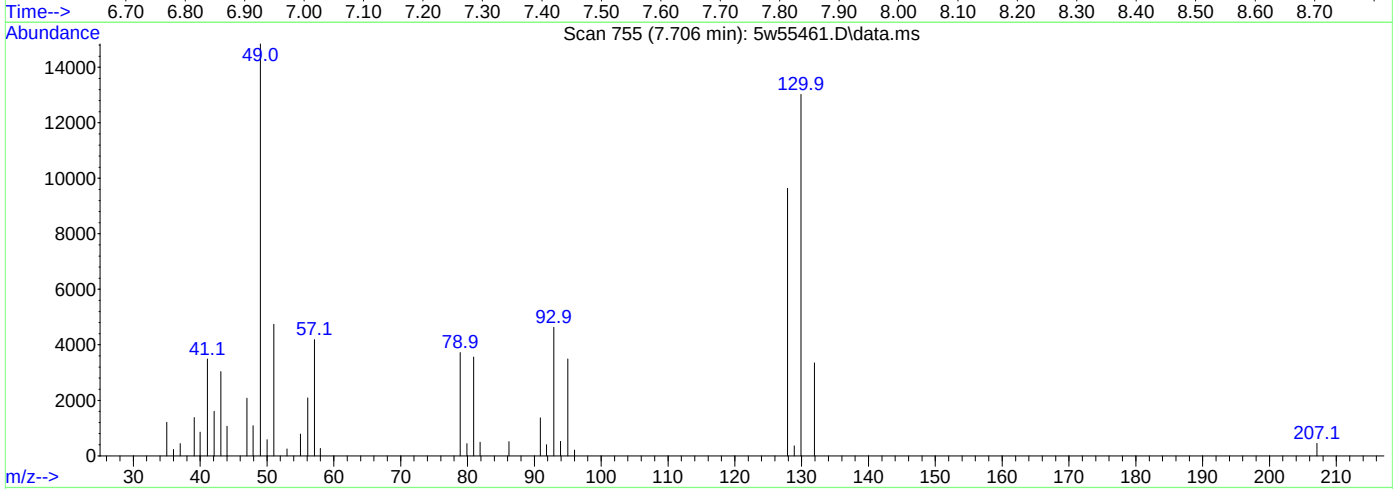


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

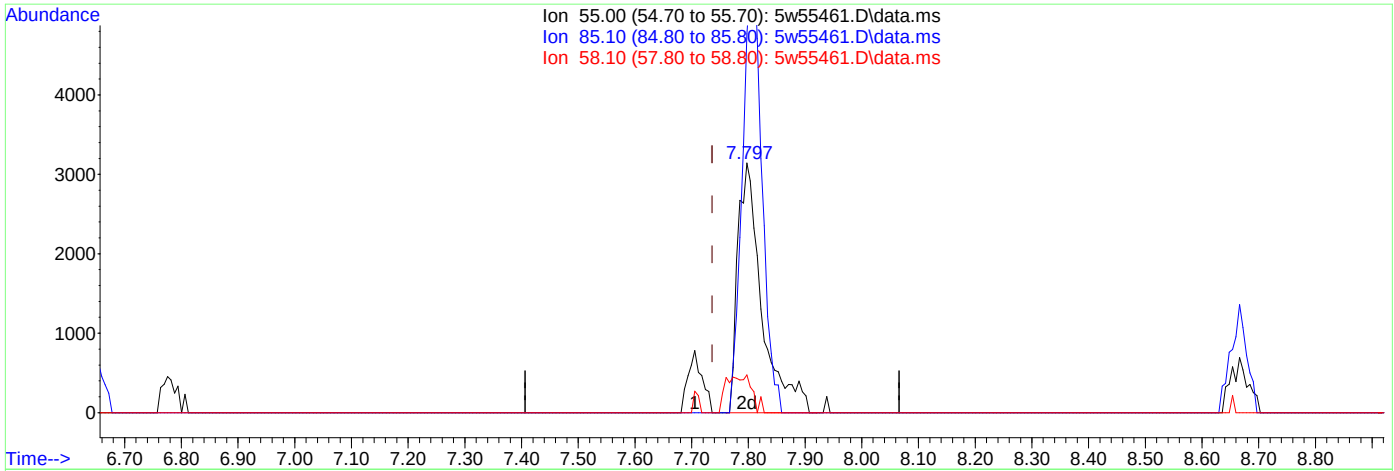
response 1349

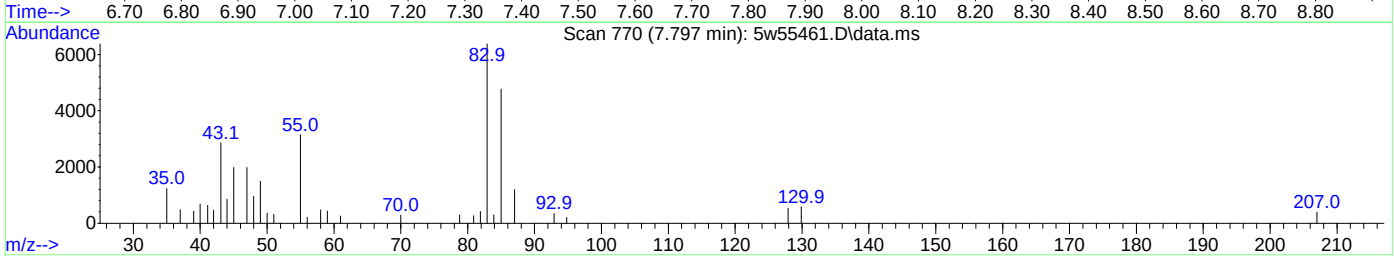
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 13.19 |
| 0.00 | 0.00 | 0.00 |

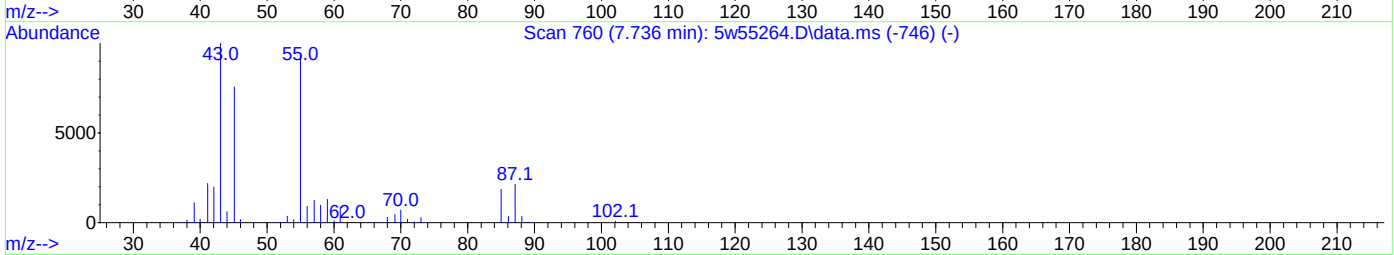
# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 330769 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1512302 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 803446 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 330769 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985952 | 10.80 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 29319 | 0.53 | PPBV | | 99 |
| 3) FREON 152A | 3.546 | 65 | 13383 | 0.53 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6908 | 0.51 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 29810 | 0.52 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 67318 | 0.54 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 16353 | 0.57 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 72198 | 0.58 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 94289 | 0.63 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 9386 | 0.61 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 32272 | 0.60 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 22258 | 0.63 | PPBV | | 92 |
| 13) n-BUTANE | 4.066 | 43 | 46066 | 0.70 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 34352 | 0.64 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 15312 | 0.64 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 75373 | 0.64 | PPBV | | 99 |
| 17) ACETONITRILE | 4.635 | 41 | 25964 | 0.67 | PPBV | # | 91 |
| 18) ACROLEIN | 4.733 | 56 | 11639 | 0.65 | PPBV | # | 70 |
| 19) FREON 123 | 4.733 | 83 | 77441 | 0.64 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 41439 | 0.64 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 65623 | 0.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 39268 | 0.56 | PPBV | | 91 |
| 23) ACETONE | 4.855 | 58 | 15107 | 0.70 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 20184 | 0.57 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 52352 | 0.54 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 19140 | 0.54 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 57576 | 0.55 | PPBV | | 94 |
| 28) ETHANOL | 4.476 | 45 | 20172 | 0.78 | PPBV | | 95 |
| 29) BROMOETHENE | 4.622 | 106 | 29626 | 0.59 | PPBV | | 94 |
| 30) ACRYLONITRILE | 5.216 | 52 | 13527 | 0.61 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 20169 | 0.60 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 8647 | 0.50 | PPBV | | 89 |
| 33) FREON 113 | 5.821 | 151 | 32099 | 0.55 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 20028 | 0.53 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 35107 | 0.47 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.757 | 73 | 52017 | 0.51 | PPBV | | 94 |
| 37) TETRAHYDROFURAN | 8.311 | 72 | 7703 | 0.46 | PPBV | | 95 |
| 38) HEXANE | 7.706 | 57 | 28766 | 0.51 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.831 | 86 | 2531 | 0.38 | PPBV | # | 75 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 39839 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 7562 | 0.44 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 20793 | 0.53 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.755 | 59 | 8150 | 0.47 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.791 | 61 | 5941 | 0.48 | PPBV | # | 72 |
| 45) METHYL ACRYLATE | 7.773 | 55 | 30367m | 0.44 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 51722 | 0.59 | PPBV | | 93 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 31054 | 0.49 | PPBV | | 91 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 49711 | 0.56 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 51155 | 0.54 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 32790 | 0.56 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 61342 | 0.54 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 22074 | 0.49 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 12638 | 0.53 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 29925 | 0.51 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 24473 | 0.52 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 25731 | 0.49 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 10.459 | 55 | 34390 | 0.41 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 54534 | 0.51 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 91844 | 0.50 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.752 | 88 | 11768 | 0.42 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 32330 | 0.51 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 18848 | 0.46 | PPBV | | 83 |
| 64) METHYL ISOBUTYL KETONE | 11.847 | 58 | 14953 | 0.43 | PPBV | | 90 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 36246 | 0.46 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 37107 | 0.44 | PPBV | | 94 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 36900 | 0.51 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.422 | 75 | 30719 | 0.41 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 25850 | 0.54 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.414 | 58 | 18867 | 0.40 | PPBV | | 81 |
| 72) ETHYL METHACRYLATE | 13.420 | 69 | 27662 | 0.41 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 29587 | 0.56 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 49591 | 0.50 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 43159 | 0.55 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 39430 | 0.47 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 33689 | 0.53 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 61057 | 0.57 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.965 | 91 | 85402 | 0.50 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 62887 | 0.96 | PPBV | | 97 |
| 81) o-XYLENE | 16.901 | 106 | 31745 | 0.50 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 41244 | 0.43 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 44116 | 0.51 | PPBV | | 99 |
| 84) BROMOFORM | 16.289 | 173 | 46583 | 0.47 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 65656 | 0.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 47874 | 0.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 96512 | 0.51 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 54823 | 0.55 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 22897 | 0.47 | PPBV | | 98 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 24216 | 0.48 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 90895 | 0.48 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 80703 | 0.51 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 33242 | 0.41 | PPBV | | 98 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 15702 | 0.47 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 84521 | 0.49 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 62123 | 0.50 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 70482 | 0.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 63407 | 0.55 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 20901 | 0.52 | PPBV | | 93 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 81958 | 0.48 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 24822 | 0.52 | PPBV | | 99 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 59304 | 0.54 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 20380 | 0.44 | PPBV | # | 85 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 42179 | 0.51 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 47455 | 0.44 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 41162 | 0.42 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.890 | 128 | 92472 | 0.40 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 140261 | 0.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

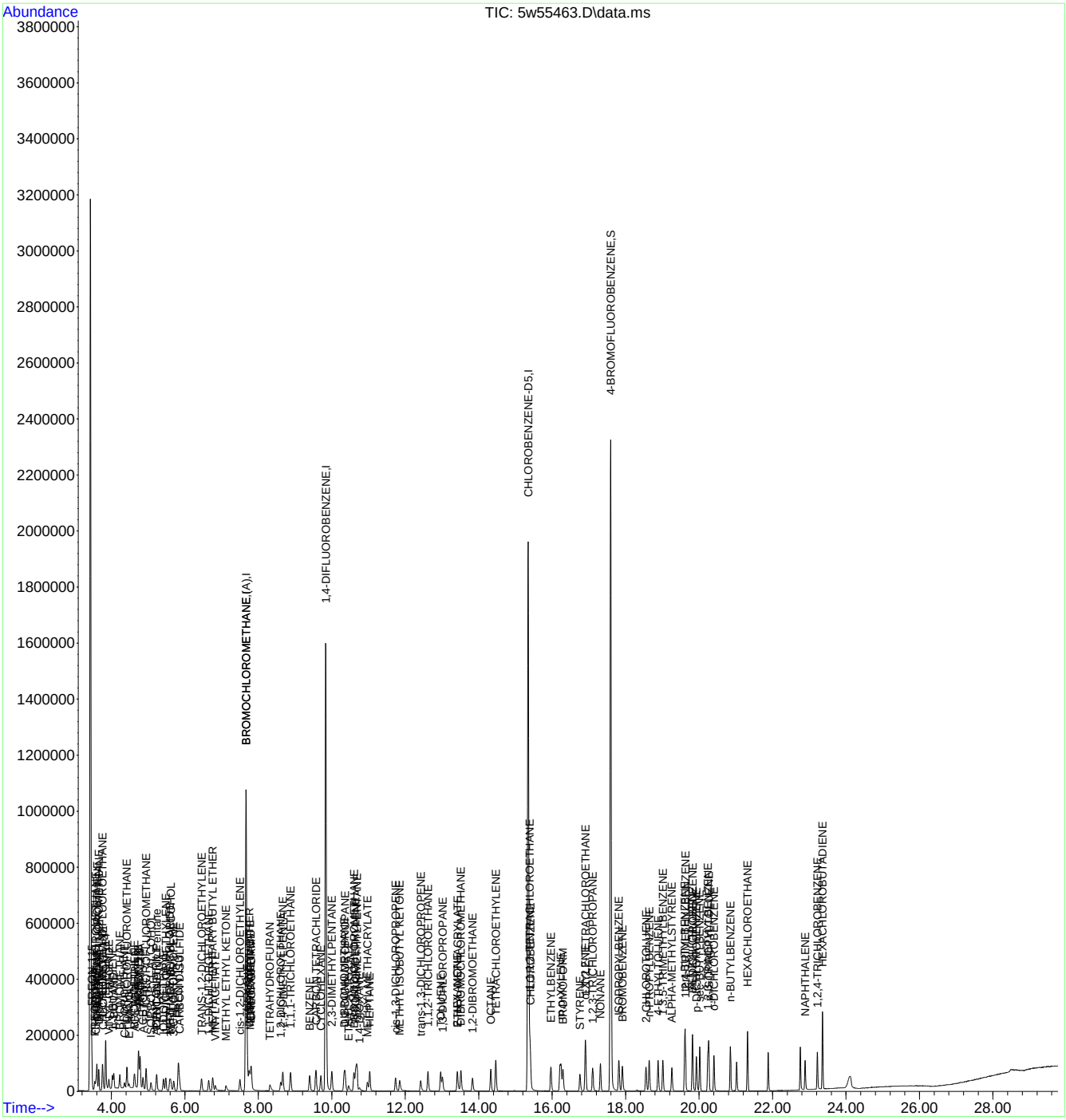
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

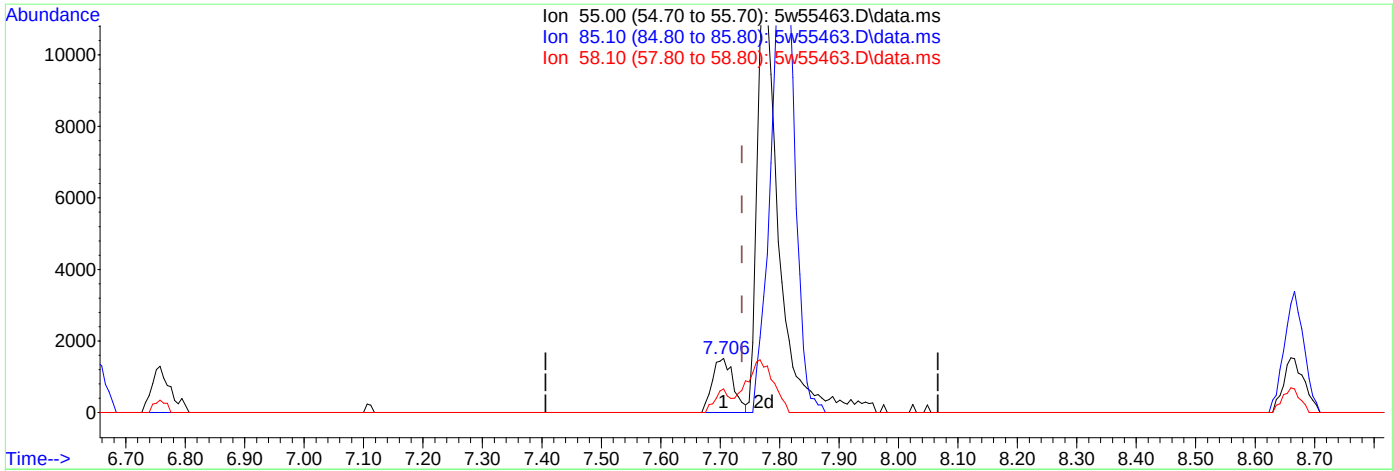
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

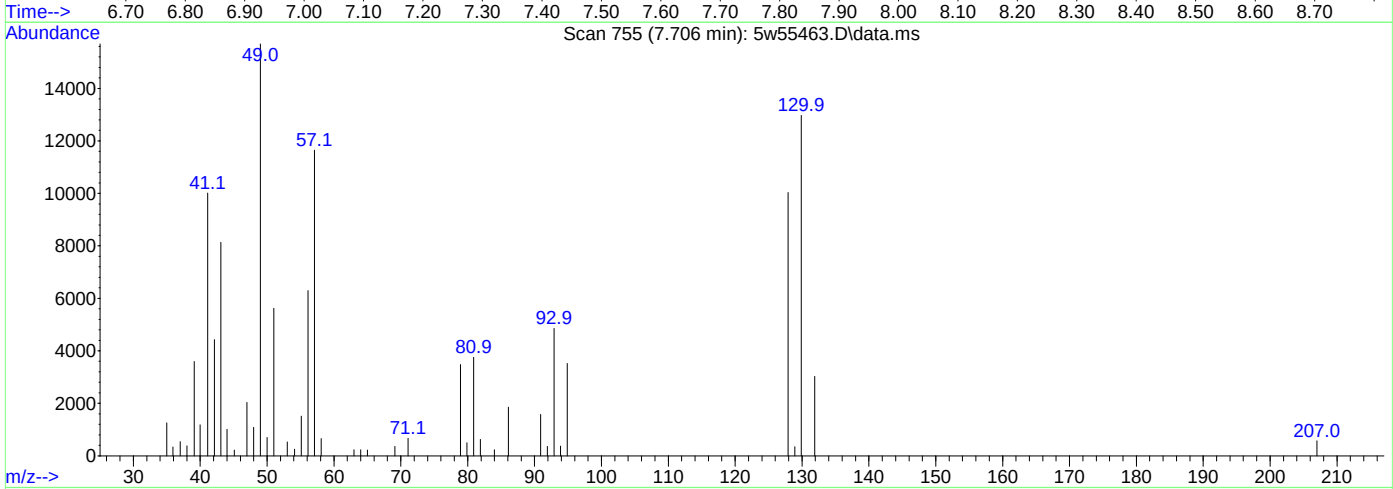


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

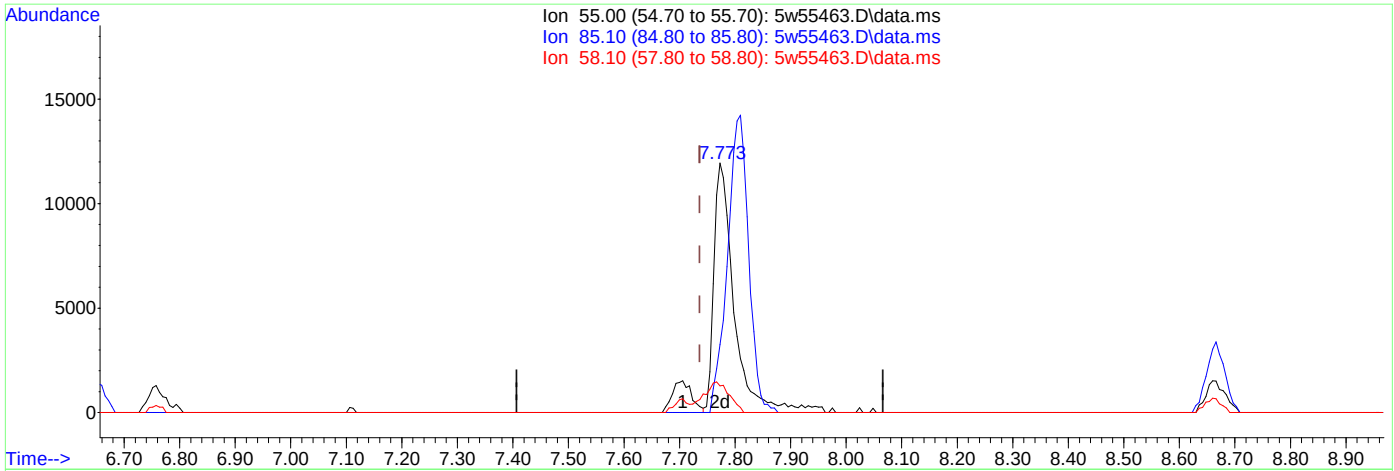
response 3694

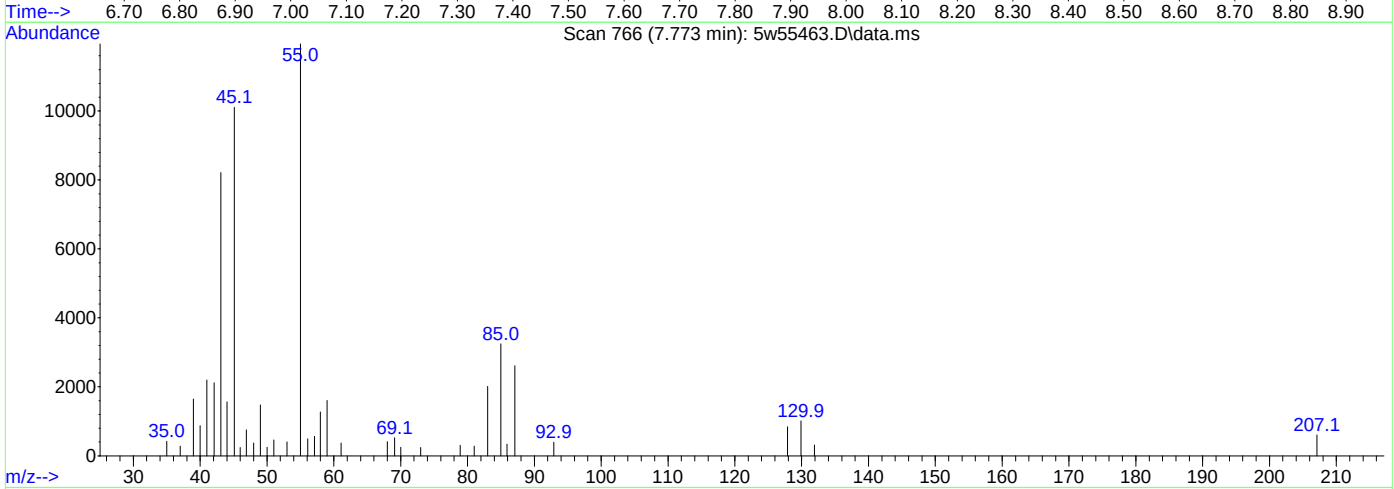
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 33.73# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 4.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 327920 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1483978 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 823417 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 327920 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 995950 | 10.64 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 112593 | 2.06 | PPBV | | 98 |
| 3) FREON 152A | 3.546 | 65 | 138374 | 5.57 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 71231 | 5.35 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 305049 | 5.34 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 679721 | 5.49 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 160514 | 5.68 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 719596 | 5.85 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 918552 | 6.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 89496 | 5.90 | PPBV | # | 71 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 318611 | 5.93 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 216237 | 6.19 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 413584 | 6.32 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 319635 | 5.98 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 140980 | 5.93 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 720353 | 6.14 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 231715 | 6.04 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 103691 | 5.80 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 730677 | 6.12 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 396421 | 6.14 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 629552 | 5.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 341979 | 4.90 | PPBV | | 96 |
| 23) ACETONE | 4.830 | 58 | 136235 | 6.39 | PPBV | | 97 |
| 24) PENTANE | 5.228 | 42 | 201069 | 5.72 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 526543 | 5.43 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 189977 | 5.42 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 580467 | 5.55 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 137349 | 5.34 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 289326 | 5.82 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 145480 | 6.60 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 187716 | 5.61 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 89978 | 5.26 | PPBV | | 97 |
| 33) FREON 113 | 5.822 | 151 | 310417 | 5.35 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 194904 | 5.24 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 337505 | 4.54 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 543685 | 5.34 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.256 | 72 | 86439 | 5.17 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 308459 | 5.52 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 34745 | 5.27 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 386526 | 5.53 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.063 | 72 | 91801 | 5.38 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 208218 | 5.31 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 92706 | 5.43 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.761 | 61 | 65000 | 5.24 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 368255 | 5.42 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 482374 | 5.58 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 341067 | 5.46 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 479650 | 5.48 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 513289 | 5.43 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 319305 | 5.50 | PPBV | | 99 |
| 52) BENZENE | 9.400 | 78 | 616501 | 5.51 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 238638 | 5.36 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 125899 | 5.37 | PPBV | | 97 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 298892 | 5.18 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 245875 | 5.34 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 261552 | 5.04 | PPBV | | 97 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 425993 | 5.12 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 540223 | 5.18 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 973540 | 5.44 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.685 | 88 | 122741 | 4.50 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 344774 | 5.60 | PPBV | | 99 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 214720 | 5.32 | PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 11.799 | 58 | 181412 | 5.28 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 402547 | 5.22 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 422478 | 5.15 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.004 | 76 | 379761 | 5.34 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 358104 | 4.84 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 249437 | 5.34 | PPBV | | 99 |
| 71) 2-HEXANONE | 13.371 | 58 | 255379 | 5.25 | PPBV | | 99 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 365412 | 5.22 | PPBV | | 99 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 302043 | 5.57 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 540159 | 5.27 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 450832 | 5.58 | PPBV | | 100 |
| 76) OCTANE | 14.325 | 43 | 480408 | 5.59 | PPBV | | 99 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 351959 | 5.45 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 608780 | 5.52 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.959 | 91 | 974334 | 5.59 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 735362 | 10.95 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 369565 | 5.63 | PPBV | | 99 |
| 82) STYRENE | 16.748 | 104 | 552274 | 5.56 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 513330 | 5.74 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 529096 | 5.17 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 682433 | 5.57 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 482523 | 5.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 1073018 | 5.53 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.904 | 77 | 566636 | 5.50 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 264838 | 5.36 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 284766 | 5.48 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 1089019 | 5.65 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 921119 | 5.67 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 437586 | 5.24 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 191242 | 5.58 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 990160 | 5.65 | PPBV | | 99 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 668502 | 5.25 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 906932 | 5.04 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 664978 | 5.67 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 236216 | 5.70 | PPBV | | 96 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 964327 | 5.56 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 276086 | 5.66 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 622668 | 5.58 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 258808 | 5.51 | PPBV | | 98 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 467063 | 5.52 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 522385 | 4.72 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 465755 | 4.65 | PPBV | | 99 |
| 108) NAPHTHALENE | 22.884 | 128 | 1115447 | 4.69 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 1399979 | 6.08 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

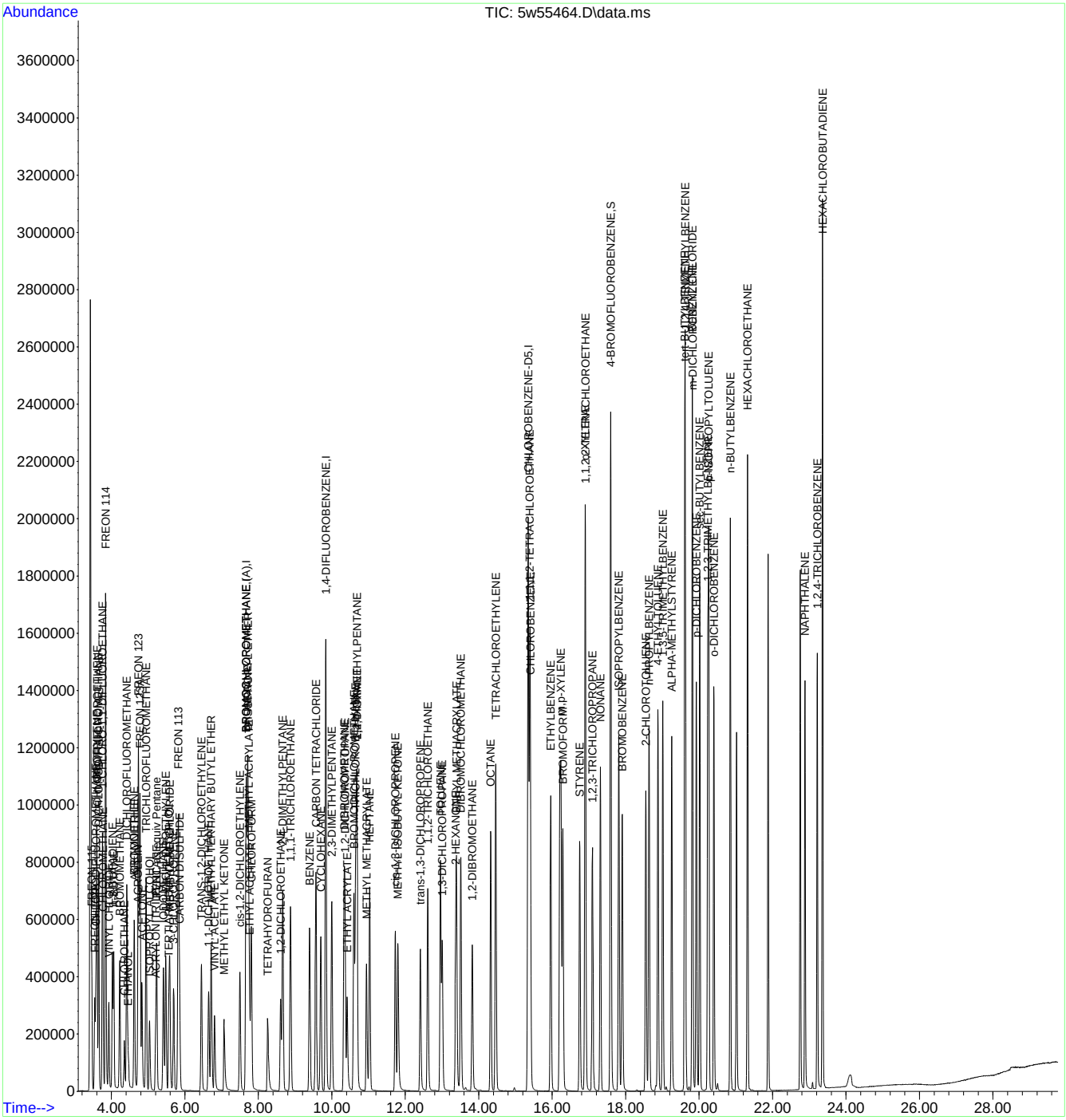
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.5

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 339202 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1511260 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 875250 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 339202 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 994958 | 10.00 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 605693 | 10.70 | PPBV | | 100 |
| 3) FREON 152A | 3.546 | 65 | 275104 | 10.70 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146118 | 10.60 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 620588 | 10.50 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1357955 | 10.60 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 318393 | 10.90 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1349681 | 10.60 | PPBV | | 100 |
| 9) FREON 114 | 3.839 | 85 | 1681548 | 11.00 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 163220 | 10.40 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572748 | 10.30 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390556 | 10.80 | PPBV | | 100 |
| 13) n-BUTANE | 4.066 | 43 | 731849 | 10.81 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.231 | 94 | 580880 | 10.50 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 255610 | 10.40 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1285896 | 10.60 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 400956 | 10.10 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 194255 | 10.50 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1310076 | 10.60 | PPBV | | 100 |
| 20) FREON 123A | 4.775 | 117 | 734746 | 11.00 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1219357 | 10.60 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 764798 | 10.60 | PPBV | | 100 |
| 23) ACETONE | 4.824 | 58 | 227018 | 10.30 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 396405 | 10.90 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 1102700 | 11.00 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 387658 | 10.70 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1147721 | 10.60 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 271251 | 10.20 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 544999 | 10.60 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 251010 | 11.01 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 363117 | 10.50 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 185861 | 10.50 | PPBV | | 100 |
| 33) FREON 113 | 5.822 | 151 | 636251 | 10.60 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 404191 | 10.50 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 761817 | 9.90 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 1138359 | 10.80 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 181760 | 10.50 | PPBV | | 100 |
| 38) HEXANE | 7.706 | 57 | 624158 | 10.80 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 70963 | 10.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 773941 | 10.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 190475 | 10.80 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 434152 | 10.70 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190722 | 10.80 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.749 | 61 | 138469 | 10.80 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 759561 | 10.81 | PPBV | | 100 |
| 46) CHLOROFORM | 7.810 | 83 | 965951 | 10.80 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 697723 | 10.80 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 978590 | 10.80 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1055955 | 10.80 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 654982 | 10.90 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1252492 | 11.00 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 494054 | 10.90 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 257829 | 10.80 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 617097 | 10.50 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 491975 | 10.50 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 554921 | 10.50 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 906659 | 10.70 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1114691 | 10.50 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1969454 | 10.80 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 291854 | 10.50 | PPBV | | 100 |
| 62) HEPTANE | 11.028 | 43 | 690296 | 11.00 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 448158 | 10.90 | PPBV | | 100 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 377985 | 10.80 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 840076 | 10.70 | PPBV | | 100 |
| 66) TOLUENE | 12.961 | 92 | 885739 | 10.60 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 767017 | 10.60 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 768015 | 10.20 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 509433 | 10.70 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.365 | 58 | 548403 | 10.60 | PPBV | | 100 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 781201 | 10.50 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 628078 | 10.90 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1144713 | 10.50 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 943815 | 11.00 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 995955 | 10.90 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 741767 | 10.80 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1266085 | 10.80 | PPBV | | 100 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2039775 | 11.00 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 1527990 | 21.40 | PPBV | | 100 |
| 81) o-XYLENE | 16.901 | 106 | 760103 | 10.90 | PPBV | | 100 |
| 82) STYRENE | 16.754 | 104 | 1162167 | 11.00 | PPBV | | 100 |
| 83) NONANE | 17.311 | 43 | 1035723 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 1163343 | 10.70 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1418746 | 10.90 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 975518 | 10.60 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2187498 | 10.60 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.910 | 77 | 1139573 | 10.40 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 541116 | 10.30 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 585017 | 10.60 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 2232548 | 10.90 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1882828 | 10.90 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 922485 | 10.40 | PPBV | | 100 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 400422 | 11.00 | PPBV | | 100 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2047810 | 11.00 | PPBV | | 100 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1407750 | 10.40 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 1990839 | 10.40 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1359653 | 10.90 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 479738 | 10.90 | PPBV | | 100 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1974262 | 10.70 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 559789 | 10.80 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1269083 | 10.70 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 539061 | 10.80 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 988753 | 11.00 | PPBV | | 100 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1271645 | 10.80 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1160909 | 10.90 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 2753803 | 10.90 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 2596090 | 10.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

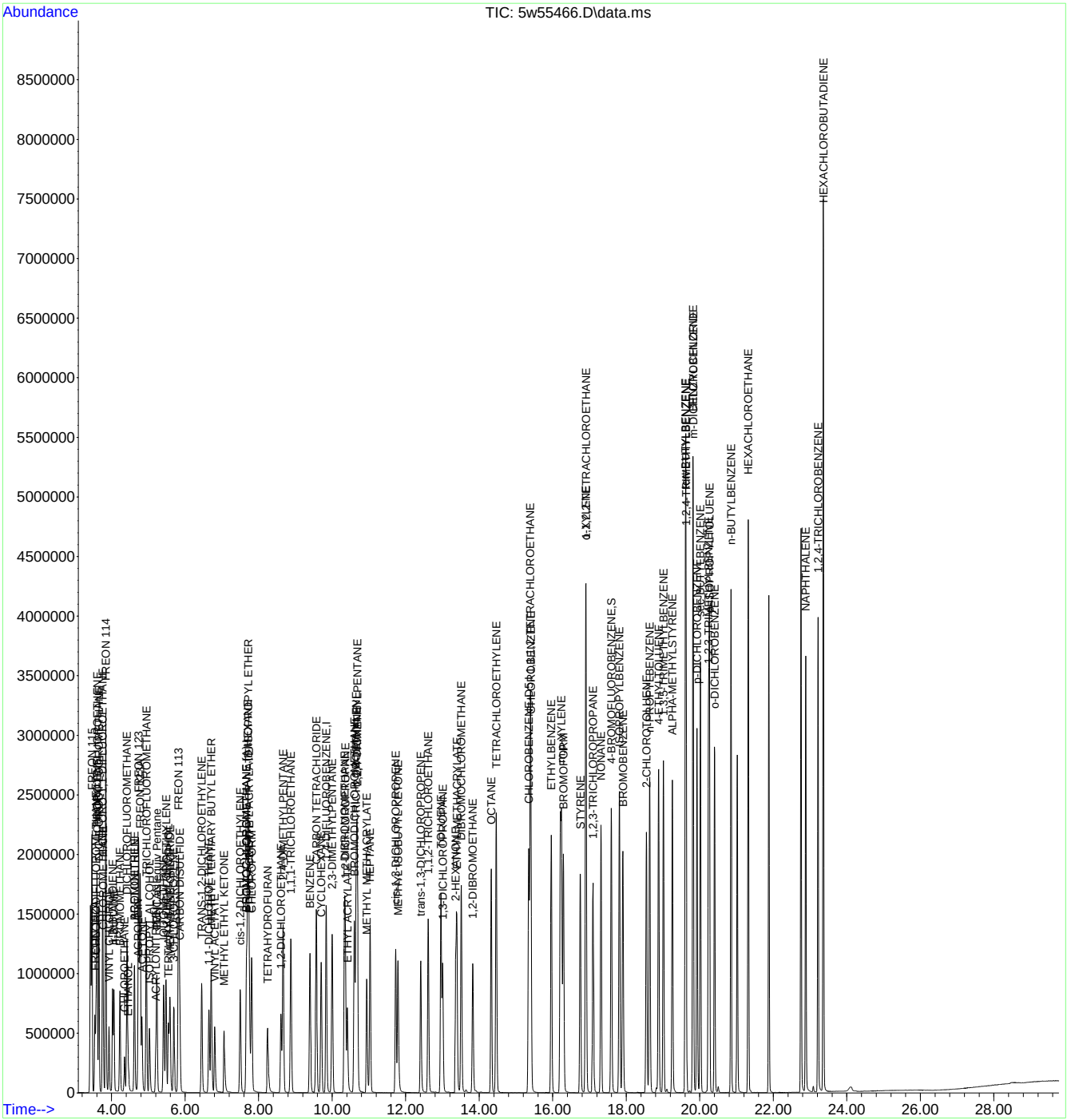
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 342882 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1466721 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 922805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 342882 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 962216 | 8.66 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 86.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 934470 | 19.68 | PPBV | 98 |
| 3) FREON 152A | 3.546 | 65 | 555724 | 22.02 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 300670 | 23.90 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 1281526 | 22.22 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 2693197 | 21.30 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 643425 | 19.46 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 2571204 | 18.91 | PPBV | 100 |
| 9) FREON 114 | 3.839 | 85 | 3131351 | 18.84 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 310103 | 17.98 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 1066972 | 17.42 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 737734 | 17.78 | PPBV | 99 |
| 13) n-BUTANE | 4.066 | 43 | 1358072 | 16.34 | PPBV | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 1092994 | 16.45 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 475231 | 16.78 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 2390761 | 16.93 | PPBV | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 742883 | 15.46 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 362625 | 18.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 2426147 | 17.04 | PPBV | 99 |
| 20) FREON 123A | 4.782 | 117 | 1384065 | 18.79 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 2407405 | 20.30 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1487631 | 18.75 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 409828 | 12.79 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 771291 | 20.37 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 2200301 | 23.28 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 762107 | 20.94 | PPBV | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 2235145 | 21.22 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 502201 | 15.69 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 1034552 | 19.32 | PPBV | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 489577 | 14.31 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 698189 | 18.40 | PPBV | 100 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 362658 | 21.91 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 1282144 | 21.91 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 795699 | 20.82 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 1504766 | 22.16 | PPBV | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 2261702 | 23.80 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 361477 | 26.09 | PPBV | 98 |
| 38) HEXANE | 7.706 | 57 | 1299772 | 25.51 | PPBV | 98 |
| 39) VINYL ACETATE | 6.807 | 86 | 150354 | 28.46 | PPBV | # 94 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 1502107 | 20.85 | PPBV | 100 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 374963 | 27.41 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 852592 | 21.70 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 397171 | 26.25 | PPBV | 96 |
| 44) ETHYL ACETATE | 7.749 | 61 | 275669 | 27.45 | PPBV | # 99 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 1562708 | 25.53 | PPBV | 99 |
| 46) CHLOROFORM | 7.816 | 83 | 1887887 | 21.07 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 1404201 | 24.81 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 1974201 | 22.31 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 2157722 | 23.55 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 1304364 | 23.01 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 2480296 | 24.21 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 977006 | 26.51 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 518636 | 25.98 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 1261399 | 24.13 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 995547 | 22.86 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 1159519 | 22.34 | PPBV | | 99 |
| 58) ETHYL ACRYLATE | 10.410 | 55 | 1809029 | 28.78 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 2255590 | 24.75 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 3898314 | 25.47 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.667 | 88 | 596545 | 26.92 | PPBV | # | 34 |
| 62) HEPTANE | 11.034 | 43 | 1372329 | 25.70 | PPBV | | 99 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 886208 | 27.70 | PPBV | | 99 |
| 64) METHYL ISOBUTYL KETONE | 11.786 | 58 | 763728 | 28.95 | PPBV | | 99 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 1712055 | 27.85 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 1782618 | 26.48 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 1520252 | 24.75 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 1566263 | 28.62 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 1021706 | 24.00 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.359 | 58 | 1123497 | 27.97 | PPBV | | 99 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 1592458 | 26.68 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 1295487 | 21.06 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.512 | 129 | 2360665 | 25.16 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 1912584 | 23.66 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 2007056 | 25.12 | PPBV | | 99 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 1557559 | 23.42 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 2596682 | 21.36 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.959 | 91 | 4106023 | 24.25 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.240 | 106 | 3148620 | 50.94 | PPBV | | 98 |
| 81) o-XYLENE | 16.907 | 106 | 1571210 | 26.11 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 2380882 | 28.53 | PPBV | | 100 |
| 83) NONANE | 17.317 | 43 | 2075321 | 24.63 | PPBV | | 100 |
| 84) BROMOFORM | 16.295 | 173 | 2439049 | 29.26 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 2867748 | 22.16 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1910251 | 20.08 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.818 | 105 | 4416866 | 22.71 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 2298802 | 20.38 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 1104210 | 23.56 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 1183858 | 25.27 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 4498304 | 25.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 3785845 | 25.41 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 1903435 | 28.19 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.617 | 134 | 838658 | 31.61 | PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 4186232 | 26.94 | PPBV | | 99 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 2890142 | 23.15 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 4095162 | 27.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 2725460 | 23.12 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 963244 | 24.93 | PPBV | | 97 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4017952 | 25.38 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 1146159 | 25.56 | PPBV | | 96 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 2526786 | 21.80 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 1115820 | 28.21 | PPBV | | 96 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 2036046 | 26.21 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 2757653 | 27.12 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 2474878 | 27.79 | PPBV | | 99 |
| 108) NAPHTHALENE | 22.884 | 128 | 5516380 | 27.68 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 5095960 | 17.51 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

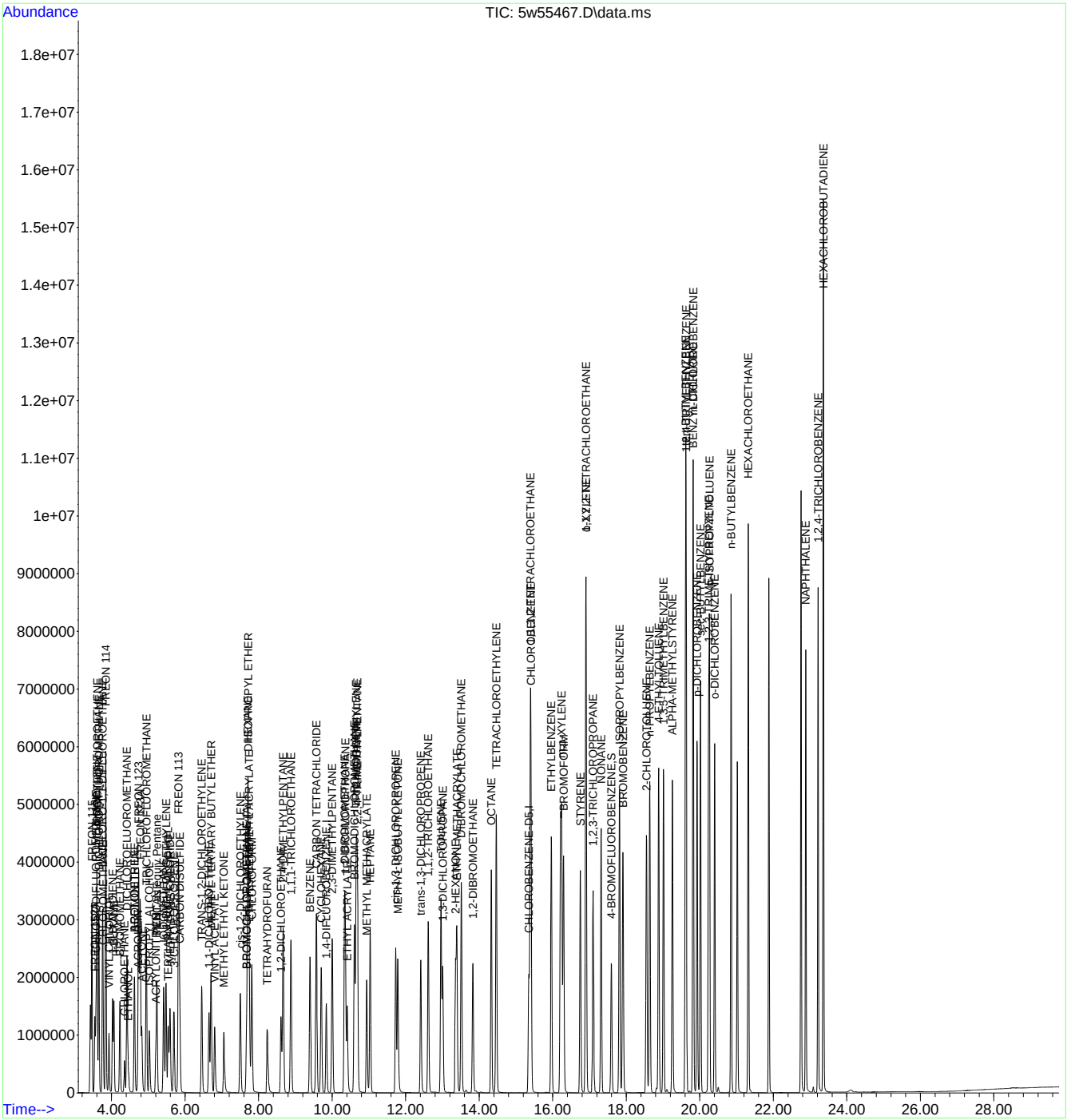
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.2.7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 341329 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1382725 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1000073 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 341329 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 916347 | 7.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 1110003 | 44.01 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 618926 | 48.54 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 2675087 | 46.21 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 5267335 | 41.82 | PPBV | 98 |
| 7) PROPYLENE | 3.589 | 41 | 1264054 | 39.00 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 4841129 | 36.33 | PPBV | 99 |
| 9) FREON 114 | 3.839 | 85 | 5644224 | 34.83 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.766 | 52 | 586442 | 34.83 | PPBV | 95 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 1976978 | 33.16 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 1352676 | 33.60 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 2400545 | 30.24 | PPBV | 99 |
| 14) BROMOMETHANE | 4.225 | 94 | 2043818 | 32.06 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 871035 | 31.77 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 4291710 | 31.43 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1277797 | 27.81 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 645615 | 33.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 4240053 | 30.77 | PPBV | 98 |
| 20) FREON 123A | 4.775 | 117 | 2547507 | 35.48 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 4713026 | 40.16 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2716413 | 35.07 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 731236 | 24.80 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 1485676 | 39.79 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 4451630 | 46.92 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 1496349 | 41.43 | PPBV | 98 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 4309243 | 41.09 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 853574 | 28.43 | PPBV | 100 |
| 29) BROMOETHENE | 4.616 | 106 | 1928359 | 36.64 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 958150 | 30.25 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1342564 | 36.18 | PPBV | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 697695 | 42.08 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 2636699 | 45.05 | PPBV | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1572877 | 41.40 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 2859765 | 41.60 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 4395819 | 45.80 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 8.226 | 72 | 698114 | 48.66 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 2611399 | 50.18 | PPBV | 95 |
| 39) VINYL ACETATE | 6.806 | 86 | 306105 | 54.21 | PPBV | # 87 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 2896622 | 40.54 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 729314 | 51.25 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 1696626 | 43.29 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 811232 | 52.00 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.749 | 61 | 550445 | 52.69 | PPBV | # 97 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3113267 | 49.30 | PPBV | 98 |
| 46) CHLOROFORM | 7.816 | 83 | 3681330 | 41.42 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2767046 | 48.09 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 3966870 | 44.82 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 4344419 | 47.03 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 2563201 | 45.07 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 4805887 | 49.06 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 1932753 | 53.96 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1034868 | 53.44 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 2594903 | 51.56 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 1968777 | 47.35 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 2452377 | 49.66 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 3514442 | 56.09 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.612 | 83 | 4532566 | 51.44 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 7451774 | 50.35 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 1171033 | 53.54 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 2670311 | 51.81 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 1706636 | 54.15 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 1514817 | 57.65 | PPBV | | 96 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 3416380 | 56.51 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 3622228 | 55.11 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 2997850 | 50.56 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 3139635 | 57.54 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2047204 | 50.14 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2249832 | 49.07 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 3192358 | 47.23 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 2700260 | 40.71 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 4797242 | 45.88 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 3887570 | 43.91 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 3923196 | 44.34 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 3275763 | 44.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 5271880 | 40.07 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 8126299 | 43.65 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.246 | 106 | 6467969 | 94.01 | PPBV | | 92 |
| 81) | o-XYLENE | 16.907 | 106 | 3188562 | 47.55 | PPBV | | 95 |
| 82) | STYRENE | 16.754 | 104 | 4879514 | 51.77 | PPBV | | 99 |
| 83) | NONANE | 17.317 | 43 | 3987420 | 42.86 | PPBV | | 97 |
| 84) | BROMOFORM | 16.301 | 173 | 5078215 | 52.97 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 5613840 | 39.93 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 3751035 | 36.66 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 8798069 | 41.32 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.916 | 77 | 4625514 | 37.94 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 2317722 | 44.71 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 2469115 | 47.34 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 8909475 | 46.07 | PPBV | | 96 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 7582950 | 45.88 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 3974554 | 51.70 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 1750552 | 57.31 | PPBV | # | 88 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 8073536 | 46.45 | PPBV | | 96 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 5812290 | 42.28 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 7865415 | 46.45 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 5572136 | 43.25 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 1985344 | 46.46 | PPBV | # | 80 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 7982379 | 45.32 | PPBV | # | 96 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 2391446 | 47.95 | PPBV | # | 84 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 5204091 | 41.33 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 2355801 | 52.65 | PPBV | # | 78 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 4095368 | 47.35 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 5758391 | 50.41 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 5399109 | 53.83 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.890 | 128 | 10659068 | 47.52 | PPBV | | 95 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 9863883 | 35.04 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

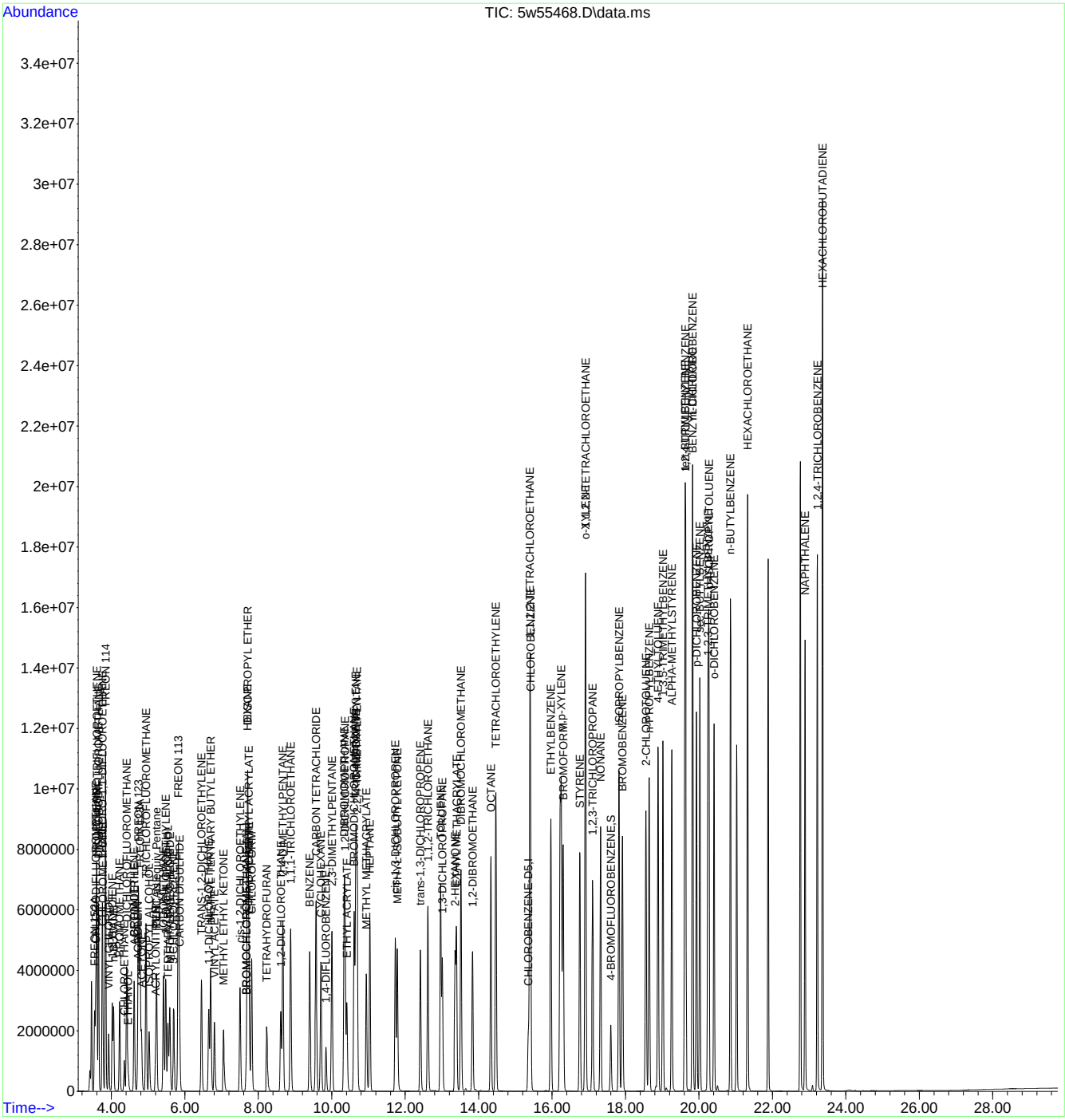
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 363096 | 10.00 | PPBV | 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1435494 | 10.00 | PPBV | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1087902 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 363096 | 10.00 | PPBV | # 0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 962842 | 7.71 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 1409928 | 52.36 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 788640 | 57.10 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 3518696 | 56.43 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 6578479 | 49.18 | PPBV | 97 |
| 7) PROPYLENE | 3.601 | 41 | 1558841 | 45.82 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 5783866 | 41.54 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 6688154 | 39.83 | PPBV | 92 |
| 10) CHLOROMETHANE | 3.772 | 52 | 708046 | 40.35 | PPBV | 93 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2437569 | 39.40 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 1667571 | 40.06 | PPBV | 97 |
| 13) n-BUTANE | 4.066 | 43 | 2956319 | 36.57 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 2585698 | 39.46 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 1112344 | 39.30 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 5325853 | 37.89 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1590540 | 34.05 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 812347 | 40.31 | PPBV | 100 |
| 19) FREON 123 | 4.739 | 83 | 5322727 | 37.60 | PPBV | 97 |
| 20) FREON 123A | 4.782 | 117 | 3262064 | 43.77 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 5912238 | 47.68 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3130594 | 38.96 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 1801214 | 45.85 | PPBV | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 5859104 | 57.57 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 1920392 | 50.18 | PPBV | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 5333899 | 48.00 | PPBV | 98 |
| 28) ETHANOL | 4.457 | 45 | 1061688 | 35.38 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 2463970 | 44.77 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.210 | 52 | 1172261 | 36.70 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1703220 | 43.91 | PPBV | 96 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 888181 | 50.35 | PPBV | 93 |
| 33) FREON 113 | 5.822 | 151 | 3534845 | 56.33 | PPBV | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 2032870 | 50.39 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 3417331 | 46.44 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 5589862 | 54.34 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 882416 | 56.54 | PPBV | 93 |
| 38) HEXANE | 7.712 | 57 | 3251354 | 57.57 | PPBV | 93 |
| 39) VINYL ACETATE | 6.813 | 86 | 398132 | 63.09 | PPBV | # 74 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 3625488 | 48.02 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 929876 | 59.84 | PPBV | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 2196558 | 52.61 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 1010128 | 59.15 | PPBV | # 83 |
| 44) ETHYL ACETATE | 7.749 | 61 | 686502 | 59.89 | PPBV | # 94 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3866289 | 56.23 | PPBV | 97 |
| 46) CHLOROFORM | 7.822 | 83 | 4663315 | 49.57 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.672 | 57 | 3422747 | 55.14 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 5135690 | 54.30 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 5694246 | 57.32 | PPBV | 99 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 3247346 | 53.45 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

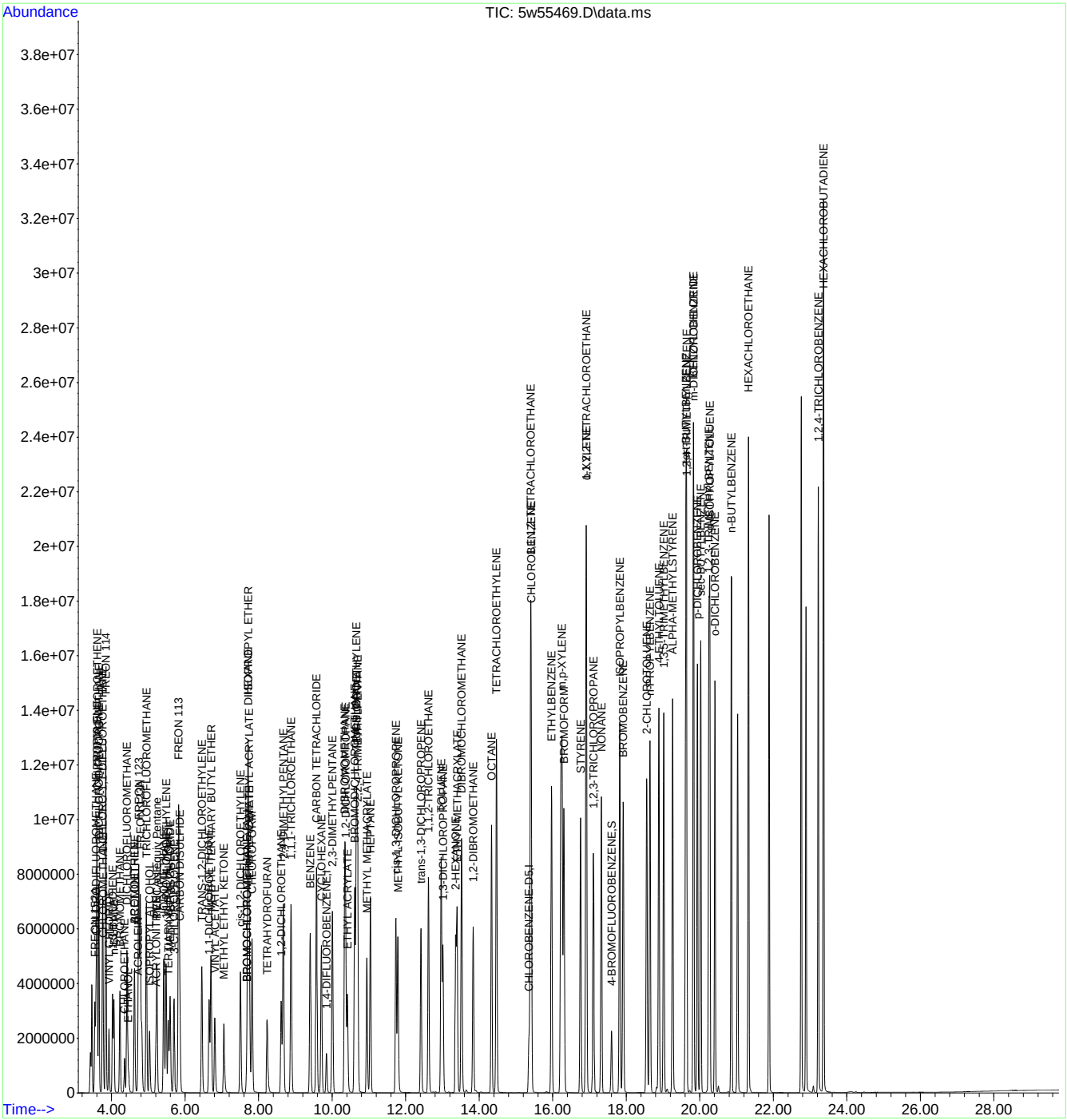
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 52) | BENZENE | 9.406 | 78 | 6113532 | 59.26 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.706 | 84 | 2475588 | 64.65 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1313485 | 63.46 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.661 | 95 | 3350858 | 62.36 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 2447772 | 55.81 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 3348127 | 63.85 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 4375473 | 64.41 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.618 | 83 | 5756859 | 61.21 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.697 | 57 | 9040011 | 57.64 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 1504708 | 63.77 | PPBV | # | 1 |
| 62) | HEPTANE | 11.040 | 43 | 3250063 | 59.42 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 2166506 | 64.00 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 1897421 | 66.38 | PPBV | | 93 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 4365639 | 66.88 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 4696538 | 66.34 | PPBV | | 96 |
| 67) | 1,3-DICHLOROPROPANE | 13.016 | 76 | 3810935 | 60.45 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.416 | 75 | 4045609 | 64.37 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2637082 | 60.91 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2840400 | 51.38 | PPBV | | 93 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 4057750 | 54.22 | PPBV | | 95 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 3652923 | 51.05 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 6267031 | 54.46 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 5059319 | 52.54 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 4818681 | 49.96 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.402 | 131 | 4326992 | 54.27 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 6799424 | 47.95 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 10258201 | 50.70 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.246 | 106 | 8436000 | 111.35 | PPBV | | 88 |
| 81) | o-XYLENE | 16.913 | 106 | 4070628 | 55.18 | PPBV | | 92 |
| 82) | STYRENE | 16.760 | 104 | 6336380 | 60.46 | PPBV | | 99 |
| 83) | NONANE | 17.323 | 43 | 4885695 | 48.38 | PPBV | | 95 |
| 84) | BROMOFORM | 16.301 | 173 | 6736389 | 57.61 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 6857413 | 45.32 | PPBV | | 98 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 4752860 | 43.44 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 11140531 | 48.25 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.916 | 77 | 5858269 | 44.66 | PPBV | | 92 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3066170 | 53.80 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 3235225 | 56.20 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 11113673 | 52.46 | PPBV | | 94 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.024 | 105 | 9540125 | 52.72 | PPBV | | 95 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 5169037 | 56.23 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 2268727 | 58.03 | PPBV | # | 82 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.641 | 105 | 9871747 | 51.85 | PPBV | | 93 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 7376020 | 49.22 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.825 | 91 | 9467573 | 50.66 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 7163876 | 51.16 | PPBV | | 97 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 2603292 | 55.55 | PPBV | # | 67 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.247 | 105 | 9909252 | 51.34 | PPBV | # | 93 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 3067541 | 55.77 | PPBV | # | 77 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 6729808 | 49.34 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 3076474 | 61.52 | PPBV | # | 67 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 5060035 | 53.27 | PPBV | | 91 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 7021325 | 55.35 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 6957395 | 61.95 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 12050439 | 41.25 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 367475 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1638649 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 911415 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 367475 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1063310 | 10.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 104.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 609290 | 12.11 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 260396 | 9.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146420 | 10.39 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 632936 | 9.95 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1344712 | 10.01 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 286338 | 8.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1363042 | 9.91 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1731966 | 10.51 | PPBV | | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 156442 | 9.03 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572576 | 9.39 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 394416 | 9.64 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 729754 | 9.30 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 601870 | 9.37 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 259712 | 9.32 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1337017 | 9.71 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 408916 | 9.02 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 206598 | 10.43 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1322073 | 9.54 | PPBV | | 98 |
| 20) FREON 123A | 4.775 | 117 | 716793 | 9.72 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1280625 | 10.32 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 746766 | 9.50 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 228297 | 7.70 | PPBV | | 98 |
| 24) PENTANE | 5.234 | 42 | 361550 | 9.26 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 1165392 | 11.26 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 397014 | 10.32 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1188347 | 10.68 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 231689 | 8.04 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 574006 | 10.49 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 234694 | 7.62 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 367561 | 9.54 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 183296 | 10.31 | PPBV | | 94 |
| 33) FREON 113 | 5.822 | 151 | 692675 | 10.83 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 415687 | 10.23 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 838007 | 11.33 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1138293 | 10.93 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 182808 | 11.46 | PPBV | | 94 |
| 38) HEXANE | 7.706 | 57 | 580332 | 10.08 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.806 | 86 | 76162 | 11.57 | PPBV | # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 737374 | 9.76 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 183994 | 11.54 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 438839 | 10.40 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 182011 | 10.41 | PPBV | | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 132720 | 11.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 734957 | 10.50 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 994491 | 10.54 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 665821 | 10.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1027293 | 10.72 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1117143 | 11.04 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 644626 | 10.51 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1241071 | 10.45 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 497434 | 11.15 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 255937 | 10.63 | PPBV | | 95 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 628915 | 10.04 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 480413 | 9.53 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 607456 | 9.91 | PPBV | | 96 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 889260 | 11.18 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1129142 | 10.33 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1875164 | 10.40 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 305770 | 11.05 | PPBV | # | 88 |
| 62) HEPTANE | 11.034 | 43 | 644985 | 10.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 440067 | 11.15 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 365625 | 10.89 | PPBV | | 96 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 791718 | 10.34 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 897196 | 10.80 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 768595 | 10.52 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 763107 | 10.83 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 511400 | 10.19 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.365 | 58 | 533643 | 12.41 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 797333 | 12.67 | PPBV | | 97 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 678237 | 11.39 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1221557 | 12.62 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 968537 | 12.07 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 928927 | 11.60 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 789303 | 11.81 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1302463 | 11.10 | PPBV | | 98 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2069237 | 12.31 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.234 | 106 | 1576639 | 24.73 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 773169 | 12.49 | PPBV | | 97 |
| 82) STYRENE | 16.754 | 104 | 1182327 | 13.32 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 964575 | 11.55 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1229686 | 12.42 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1398226 | 11.24 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 977028 | 10.88 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2272900 | 11.87 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 1152759 | 10.66 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 580224 | 12.09 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 614508 | 12.66 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2276515 | 12.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1926471 | 12.75 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 964352 | 11.83 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 426733 | 12.94 | PPBV | | 97 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2101835 | 13.26 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1483124 | 11.88 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 2086019 | 12.26 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1425940 | 12.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 510021 | 12.96 | PPBV | | 95 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2045983 | 12.71 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 605096 | 13.08 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1345461 | 11.88 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 568438 | 13.36 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 980805 | 12.37 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1360841 | 12.77 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1285426 | 12.74 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 3116488 | 14.07 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2415970 | 8.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

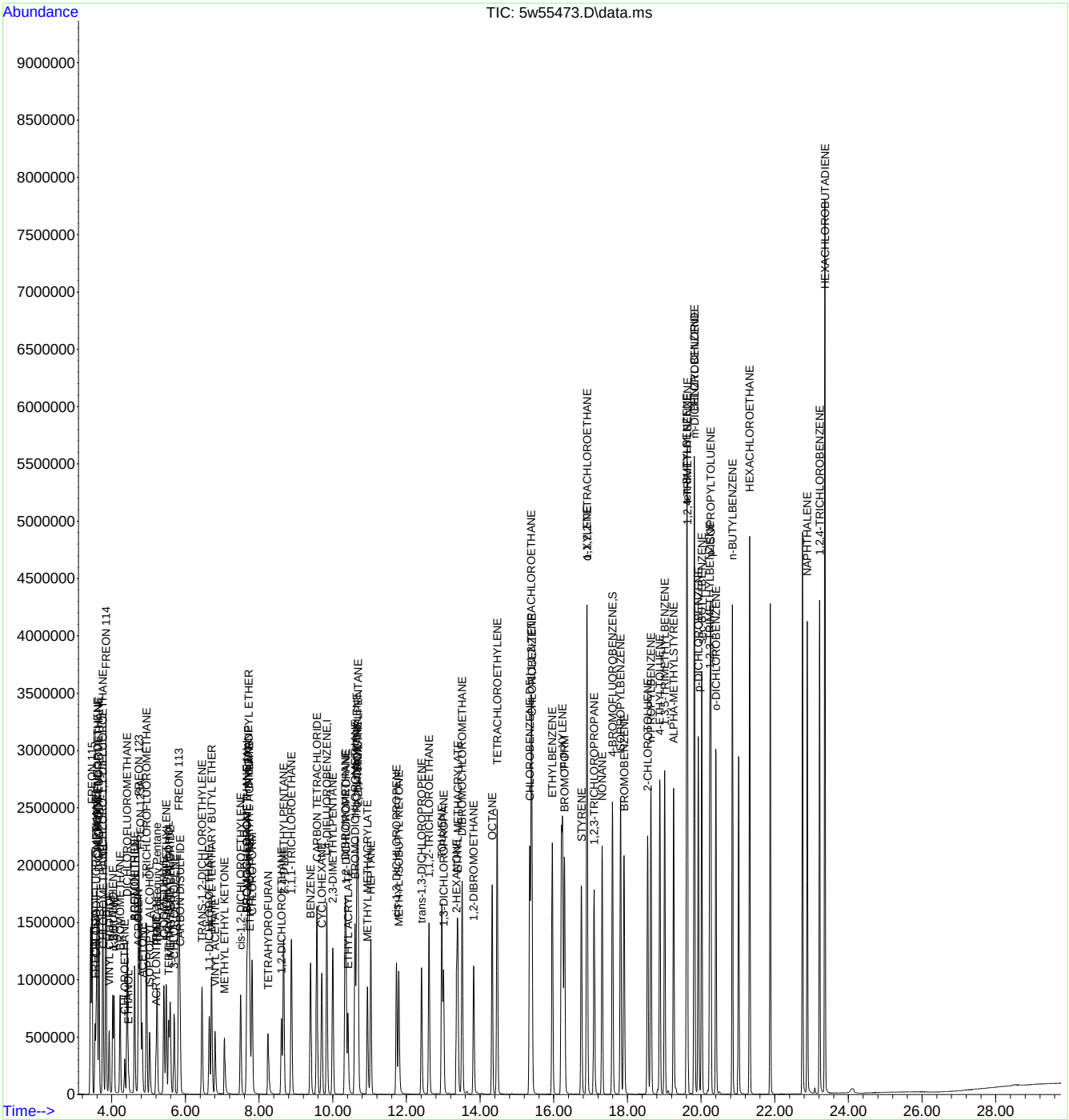
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1320983 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 829640 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 938681 | 10.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 490141 | 12.6307 | PPBV | 87 |
| 3) FREON 152A | 3.546 | 65 | 248979 | 11.8708 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 139788 | 12.8535 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 484866 | 9.8778 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1235881 | 11.9294 | PPBV | 99 |
| 7) PROPYLENE | 3.601 | 41 | 318999 | 12.2258 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1310116 | 12.3491 | PPBV | 97 |
| 9) FREON 114 | 3.839 | 85 | 1498369 | 11.7910 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.772 | 52 | 139843 | 10.4675 | PPBV # | 73 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 500361 | 10.6359 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 328558 | 10.4069 | PPBV # | 82 |
| 13) n-BUTANE | 4.066 | 43 | 673554 | 11.1214 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 503106 | 10.1489 | PPBV | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 218128 | 10.1465 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1182527 | 11.1281 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 381104 | 10.8940 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 174216 | 11.4045 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1208215 | 11.2970 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 627646 | 11.0370 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1106838 | 11.5611 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 701344 | 11.5619 | PPBV | 96 |
| 23) ACETONE | 4.818 | 58 | 190094 | 8.3139 | PPBV # | 73 |
| 24) PENTANE | 5.234 | 42 | 382516 | 12.6939 | PPBV | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1048284 | 13.1253 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 350278 | 11.8046 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1106323 | 12.8869 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 228093 | 10.2598 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 464023 | 10.9881 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.197 | 52 | 227386 | 9.5736 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 336437 | 11.3149 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 178242 | 13.0003 | PPBV # | 87 |
| 33) FREON 113 | 5.821 | 151 | 646266 | 13.0999 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 362444 | 11.5588 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 711279 | 12.4651 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1081108 | 13.4514 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 173340 | 14.0890 | PPBV | 93 |
| 38) HEXANE | 7.699 | 57 | 571589 | 12.8683 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 62812 | 12.3718 | PPBV # | 69 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 730632 | 12.5370 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 181023 | 14.7210 | PPBV # | 84 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 388757 | 11.9483 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 173894 | 12.8880 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.748 | 61 | 131535 | 14.5003 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 737514 | 13.6580 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 932936 | 12.8195 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 643935 | 13.2559 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 932528 | 12.6198 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 977527 | 12.5168 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 663626 | 14.0198 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1170534 | 12.2253 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 450644 | 12.5296 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 244517 | 12.5920 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 563731 | 11.1681 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 455764 | 11.2146 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 640573 | 12.9639 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 894070 | 13.9460 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1096175 | 12.4360 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1810078 | 12.4491 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 262414 | 11.7689 | PPBV | # | 87 |
| 62) | HEPTANE | 11.027 | 43 | 692024 | 13.6267 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 435827 | 13.6920 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 353359 | 13.0593 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 805461 | 13.0465 | PPBV | | 93 |
| 66) | TOLUENE | 12.961 | 92 | 771776 | 11.5242 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 721866 | 12.2521 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 730655 | 12.8581 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 477290 | 11.7978 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.358 | 58 | 505319 | 12.9114 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 748660 | 13.0646 | PPBV | | 94 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 646497 | 11.9302 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 957673 | 10.8685 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 821840 | 11.2479 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1000955 | 13.7360 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 625512 | 10.2814 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1074618 | 10.0617 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 1824972 | 11.9314 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1282140 | 22.0915 | PPBV | | 93 |
| 81) | o-XYLENE | 16.900 | 106 | 643598 | 11.4241 | PPBV | | 92 |
| 82) | STYRENE | 16.747 | 104 | 987985 | 12.2269 | PPBV | | 96 |
| 83) | NONANE | 17.310 | 43 | 1057154 | 13.9014 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1332200 | 14.7771 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1314867 | 11.6113 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 931482 | 11.3923 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1869433 | 10.7239 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1084437 | 11.0142 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 452203 | 10.3535 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 482605 | 10.9202 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 1913832 | 11.8952 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1598724 | 11.6271 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 753685 | 10.1544 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 323983 | 10.7921 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1752820 | 12.1500 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1265483 | 11.1404 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1786034 | 11.5343 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1231073 | 11.6079 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 389937 | 10.8867 | PPBV | # | 88 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1704534 | 11.6335 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 453456 | 10.7719 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1154974 | 11.2005 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 440098 | 11.3651 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 908545 | 12.5865 | PPBV | # | 81 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1704722 | 17.5722 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1397381 | 15.2088 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2277222 | 11.2912 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2517105 | 11.3419 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

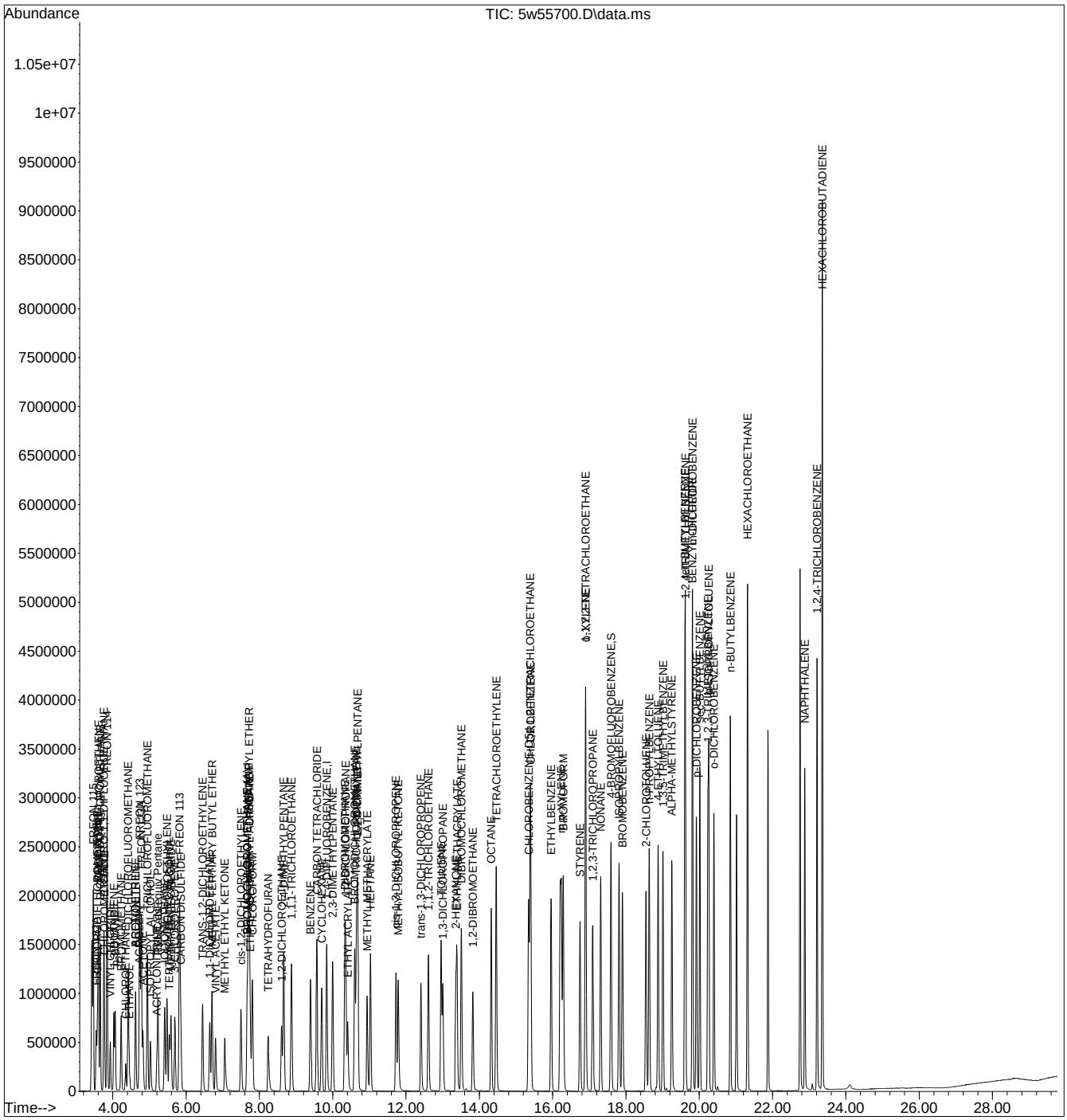
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 322187 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1499665 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 960430 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 322187 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1064085 | 9.90 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 572368 | 12.9781 | PPBV | 87 |
| 3) FREON 152A | 3.540 | 65 | 304195 | 12.7614 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 165868 | 13.4197 | PPBV | 94 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 591221 | 10.5978 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1503908 | 12.7731 | PPBV | 99 |
| 7) PROPYLENE | 3.595 | 41 | 388458 | 13.0997 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1513638 | 12.5538 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1775578 | 12.2943 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.772 | 52 | 164996 | 10.8669 | PPBV | 98 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 589234 | 11.0206 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 386821 | 10.7808 | PPBV # | 83 |
| 13) n-BUTANE | 4.060 | 43 | 789454 | 11.4695 | PPBV | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 593232 | 10.5297 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 262008 | 10.7238 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1376215 | 11.3953 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 440394 | 11.0768 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 199678 | 11.5013 | PPBV | 98 |
| 19) FREON 123 | 4.732 | 83 | 1411933 | 11.6162 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 737156 | 11.4058 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1375868 | 12.6451 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 879588 | 12.7588 | PPBV | 98 |
| 23) ACETONE | 4.818 | 58 | 220902 | 8.5009 | PPBV # | 77 |
| 24) PENTANE | 5.228 | 42 | 464312 | 13.5577 | PPBV | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 1207745 | 13.3056 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 405357 | 12.0200 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1285518 | 13.1757 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 278563 | 11.0251 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 556399 | 11.5931 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 272810 | 10.1065 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 385190 | 11.3986 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 205624 | 13.1961 | PPBV # | 84 |
| 33) FREON 113 | 5.815 | 151 | 741727 | 13.2291 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 420322 | 11.7946 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 831426 | 12.8206 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1284152 | 14.0586 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 202111 | 14.4544 | PPBV | 88 |
| 38) HEXANE | 7.700 | 57 | 686887 | 13.6067 | PPBV | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 77597 | 13.4482 | PPBV # | 71 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 856094 | 12.9255 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 210936 | 15.0933 | PPBV # | 76 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 451331 | 12.2054 | PPBV | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 205530 | 13.4031 | PPBV # | 80 |
| 44) ETHYL ACETATE | 7.742 | 61 | 157391 | 15.2667 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 876667 | 14.2850 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1093698 | 13.2235 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 772947 | 14.0006 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1087105 | 12.9447 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1148555 | 12.9404 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 778298 | 14.4676 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1392661 | 12.8122 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 535199 | 13.1075 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 292793 | 13.2816 | PPBV | | 99 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 660985 | 11.5346 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 546899 | 11.8536 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 760051 | 13.5492 | PPBV | | 86 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1067542 | 14.6678 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1290808 | 12.8993 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2167838 | 13.1332 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 311094 | 12.2898 | PPBV | # | 58 |
| 62) | HEPTANE | 11.028 | 43 | 822395 | 14.2644 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 521152 | 14.4218 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 419550 | 13.6581 | PPBV | # | 81 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 958908 | 13.6814 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 921854 | 12.1251 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 861705 | 12.8830 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 870540 | 13.4944 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 569773 | 12.4058 | PPBV | | 95 |
| 71) | 2-HEXANONE | 13.352 | 58 | 613698 | 13.5452 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 899734 | 13.5629 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 769694 | 12.2694 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1143172 | 11.2070 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 968378 | 11.4487 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1201691 | 14.2450 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 738655 | 10.4877 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1267306 | 10.2500 | PPBV | | 94 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2158963 | 12.1928 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1520798 | 22.6352 | PPBV | | 92 |
| 81) | o-XYLENE | 16.895 | 106 | 755729 | 11.5877 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1161541 | 12.4172 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1261487 | 14.3293 | PPBV | | 97 |
| 84) | BROMOFORM | 16.283 | 173 | 1589690 | 15.2320 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1558031 | 11.8850 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1087468 | 11.4888 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2220386 | 11.0026 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1279924 | 11.2294 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 528985 | 10.4621 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 562964 | 11.0038 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2240448 | 12.0290 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1863931 | 11.7098 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 887412 | 10.3280 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 382494 | 11.0060 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2062867 | 12.3519 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1488141 | 11.3165 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2058519 | 11.4837 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1429569 | 11.6439 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 456014 | 10.9977 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1982399 | 11.6874 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 527166 | 10.8176 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1333415 | 11.1701 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 507093 | 11.3119 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1051510 | 12.5834 | PPBV | # | 82 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1947316 | 17.3393 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1588513 | 14.9347 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2555622 | 10.9460 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2991185 | 11.8592 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

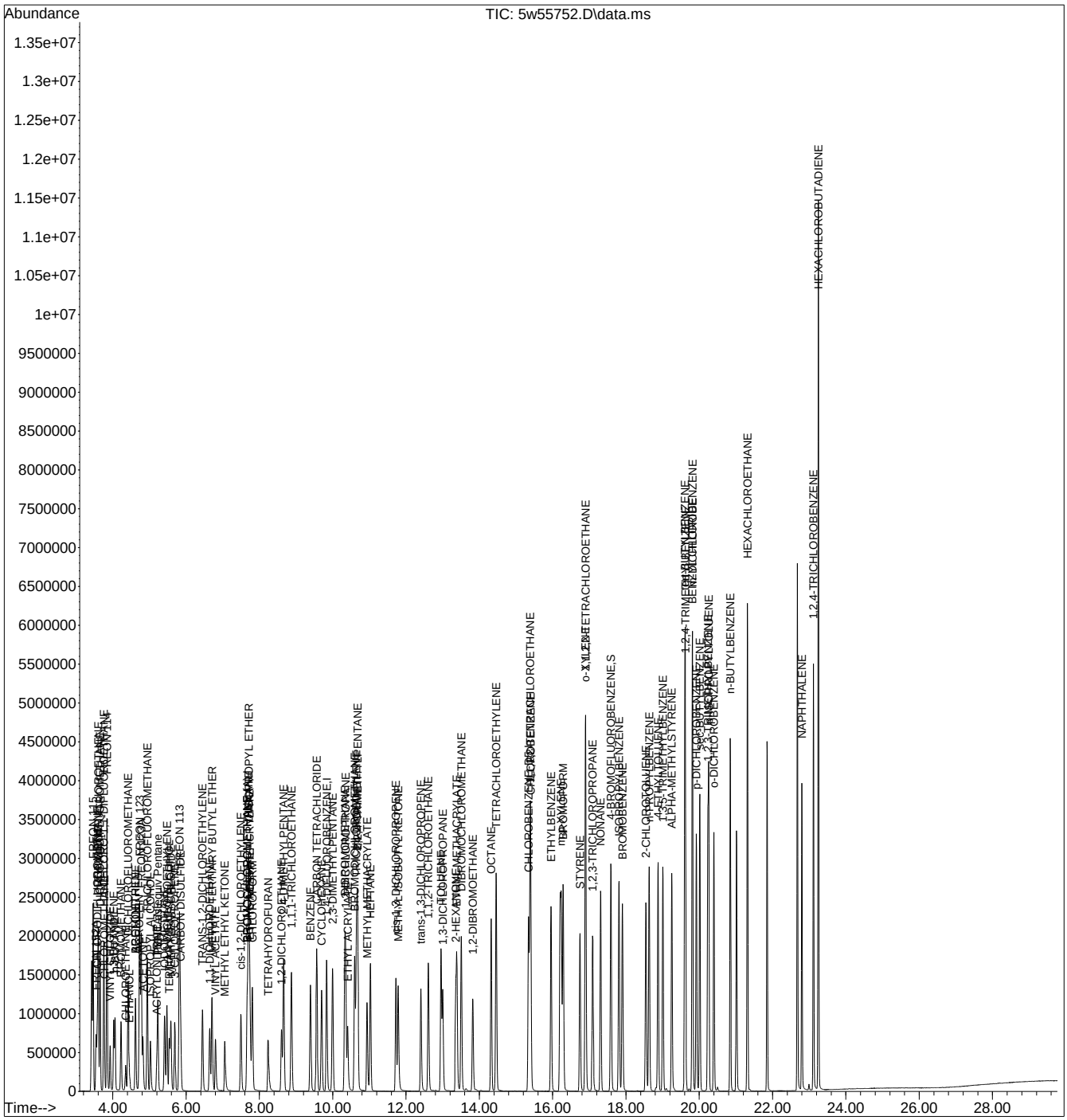
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 435174 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 379594 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 275352 | 9.89 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 521 | 0.05 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 283 | 0.05 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 125 | 0.04 | PPBV | # | 38 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 644 | 0.05 | PPBV | | 79 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 1424 | 0.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 412 | 0.05 | PPBV | # | 75 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1198 | 0.04 | PPBV | # | 77 |
| 9) FREON 114 | 1.759 | 85 | 1188 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.733 | 52 | 270 | 0.06 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 622 | 0.05 | PPBV | # | 84 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 532 | 0.05 | PPBV | # | 38 |
| 13) N-BUTANE | 1.849 | 43 | 921 | 0.05 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.910 | 94 | 499 | 0.05 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.958 | 64 | 295 | 0.04 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 1087 | 0.04 | PPBV | # | 74 |
| 17) ACETONITRILE | 2.055 | 41 | 1005 | 0.07 | PPBV | # | 82 |
| 19) FREON 123 | 2.106 | 83 | 1209 | 0.04 | PPBV | | 92 |
| 20) FREON 123A | 2.126 | 117 | 644 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.190 | 101 | 1284 | 0.04 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 2.229 | 45 | 1604 | 0.05 | PPBV | # | 74 |
| 23) ACETONE | 2.142 | 58 | 1052 | 0.10 | PPBV | | 91 |
| 24) PENTANE | 2.306 | 42 | 809 | 0.05 | PPBV | # | 91 |
| 25) IODOMETHANE | 2.367 | 142 | 1057 | 0.04 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 495 | 0.04 | PPBV | | 92 |
| 27) CARBON DISULFIDE | 2.528 | 76 | 1277 | 0.04 | PPBV | # | 75 |
| 28) ETHANOL | 2.000 | 45 | 820 | 0.07 | PPBV | # | 64 |
| 29) BROMOETHENE | 2.061 | 106 | 450 | 0.04 | PPBV | # | 80 |
| 30) ACRYLONITRILE | 2.277 | 52 | 632 | 0.06 | PPBV | | 87 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 890 | 0.07 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 287 | 0.05 | PPBV | # | 1 |
| 33) FREON 113 | 2.521 | 151 | 715 | 0.04 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 522 | 0.04 | PPBV | | 78 |
| 35) TERTIARY BUTYL ALCOHOL | 2.447 | 59 | 1139 | 0.04 | PPBV | # | 51 |
| 36) METHYL TERTIARY BUTYL ... | 2.878 | 73 | 1180 | 0.04 | PPBV | # | 81 |
| 37) TETRAHYDROFURAN | 3.598 | 72 | 164 | 0.03 | PPBV | # | 47 |
| 38) HEXANE | 3.322 | 57 | 1231 | 0.05 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.910 | 86 | 51 | 0.02 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 955 | 0.04 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 219 | 0.04 | PPBV | # | 14 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 521 | 0.04 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 208 | 0.03 | PPBV | | 43 |
| 44) ETHYL ACETATE | 3.341 | 61 | 177 | 0.04 | PPBV | # | 83 |
| 45) METHYL ACRYLATE | 3.328 | 55 | 948 | 0.04 | PPBV | | 90 |
| 46) CHLOROFORM | 3.344 | 83 | 987 | 0.04 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1018 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 923 | 0.04 | PPBV | | 93 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 765 | 0.03 | PPBV | | 94 |
| 50) 1,2-DICHLOROETHANE | 3.749 | 62 | 737 | 0.04 | PPBV | # | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

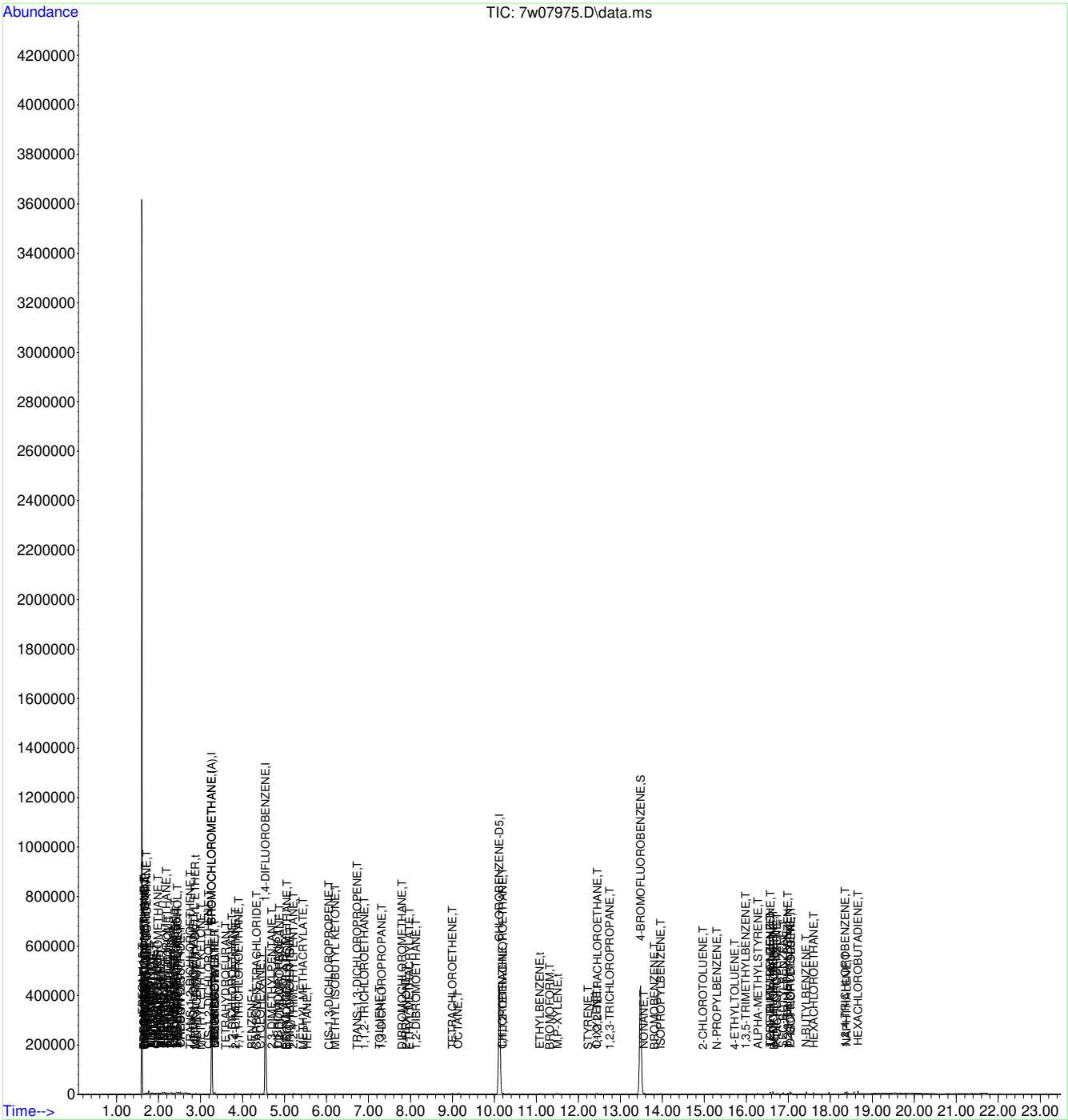
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) BENZENE | 4.219 | 78 | 1765 | 0.05 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.428 | 84 | 693 | 0.04 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 323 | 0.04 | PPBV | # | 73 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 728 | 0.04 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.884 | 63 | 609 | 0.04 | PPBV | # | 86 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 617 | 0.04 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 5.032 | 55 | 1286 | 0.04 | PPBV | # | 86 |
| 59) BROMODICHLOROMETHANE | 5.061 | 83 | 937 | 0.04 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 3047 | 0.04 | PPBV | # | 93 |
| 62) HEPTANE | 5.540 | 43 | 1123 | 0.04 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.447 | 69 | 574 | 0.04 | PPBV | # | 85 |
| 64) METHYL ISOBUTYL KETONE | 6.206 | 58 | 746 | 0.05 | PPBV | # | 1 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 655 | 0.03 | PPBV | | 86 |
| 66) TOLUENE | 7.264 | 91 | 2052 | 0.04 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.315 | 76 | 924 | 0.04 | PPBV | # | 84 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.730 | 75 | 422 | 0.03 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.904 | 83 | 497 | 0.04 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.900 | 58 | 1104 | 0.05 | PPBV | # | 95 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 838 | 0.04 | PPBV | # | 87 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 878 | 0.05 | PPBV | | 93 |
| 73) DIBROMOCHLOROMETHANE | 7.797 | 129 | 793 | 0.03 | PPBV | | 92 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 952 | 0.04 | PPBV | # | 99 |
| 75) OCTANE | 9.135 | 43 | 2128 | 0.06 | PPBV | # | 79 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.196 | 131 | 638 | 0.04 | PPBV | | 86 |
| 78) CHLOROBENZENE | 10.190 | 112 | 1477 | 0.04 | PPBV | # | 87 |
| 79) ETHYLBENZENE | 11.080 | 91 | 2859 | 0.05 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.505 | 91 | 4346m | 0.09 | PPBV | | |
| 81) O-XYLENE | 12.434 | 91 | 2112 | 0.04 | PPBV | | 84 |
| 82) STYRENE | 12.231 | 104 | 1406 | 0.04 | PPBV | # | 67 |
| 83) NONANE | 13.556 | 43 | 1791 | 0.05 | PPBV | # | 83 |
| 84) BROMOFORM | 11.318 | 173 | 690m | 0.03 | PPBV | | |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 1288 | 0.04 | PPBV | # | 90 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.743 | 75 | 1102 | 0.04 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 662 | 0.04 | PPBV | | 78 |
| 89) BROMOBENZENE | 13.810 | 77 | 1167 | 0.03 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.964 | 126 | 643 | 0.04 | PPBV | # | 62 |
| 91) N-PROPYLBENZENE | 15.299 | 120 | 676 | 0.04 | PPBV | # | 62 |
| 92) 4-ETHYLTOLUENE | 15.723 | 105 | 2657m | 0.04 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.987 | 105 | 2186 | 0.04 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.276 | 118 | 1080 | 0.04 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 543 | 0.04 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 2186 | 0.04 | PPBV | | 95 |
| 97) BENZYL CHLORIDE | 16.662 | 91 | 535 | 0.02 | PPBV | # | 61 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 1366 | 0.04 | PPBV | | 94 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 1547 | 0.04 | PPBV | | 97 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 1438 | 0.04 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 621 | 0.04 | PPBV | | 88 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 2316 | 0.04 | PPBV | # | 89 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 687 | 0.04 | PPBV | | 94 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 648 | 0.04 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 508 | 0.03 | PPBV | | 93 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 1096 | 0.04 | PPBV | | 95 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1301 | 0.04 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 4007 | 0.04 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.306 | TIC | 3733m | 0.04 | PPBV | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



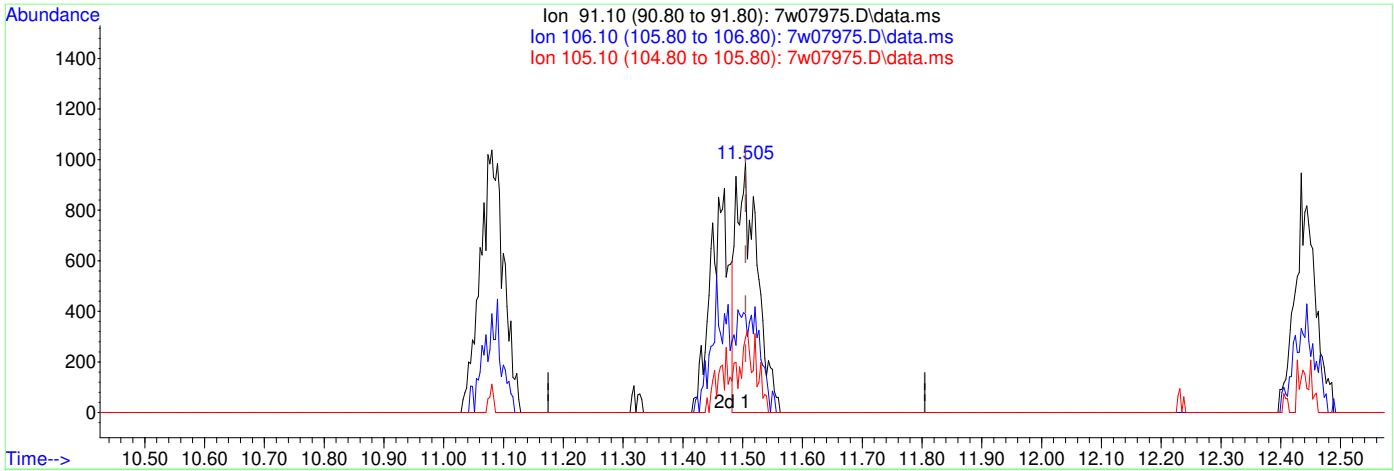
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
**Injection Time:** 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

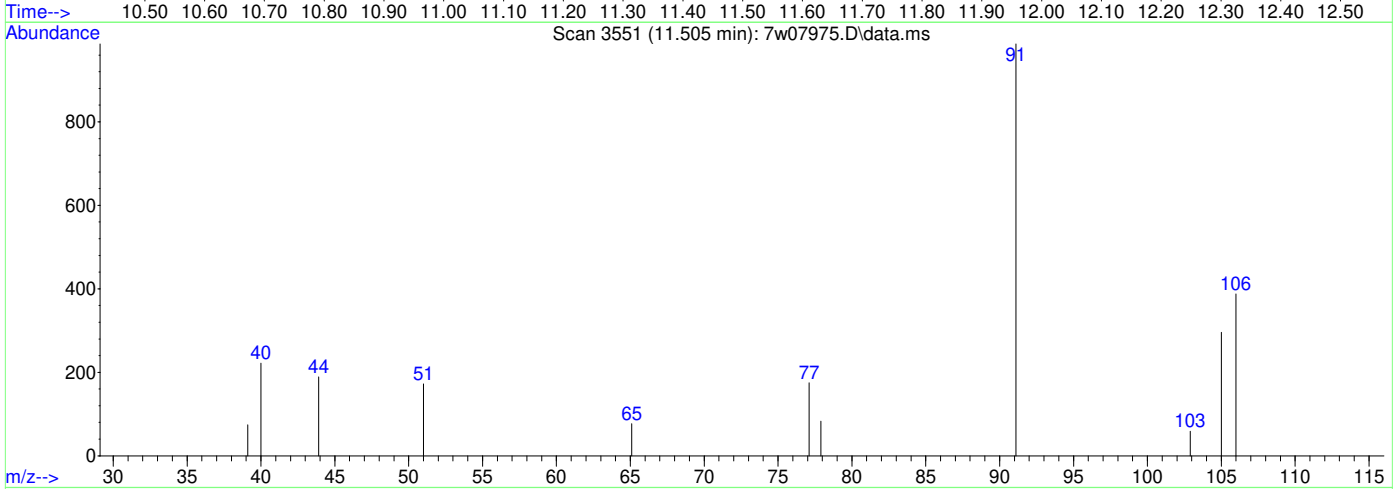
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| TVHC As Equiv Pentane | | | 2.31 | Poor instrument integration |
| Bromoform | 75-25-2 | | 11.32 | Split peak |
| m,p-Xylene | | | 11.50 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.72 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

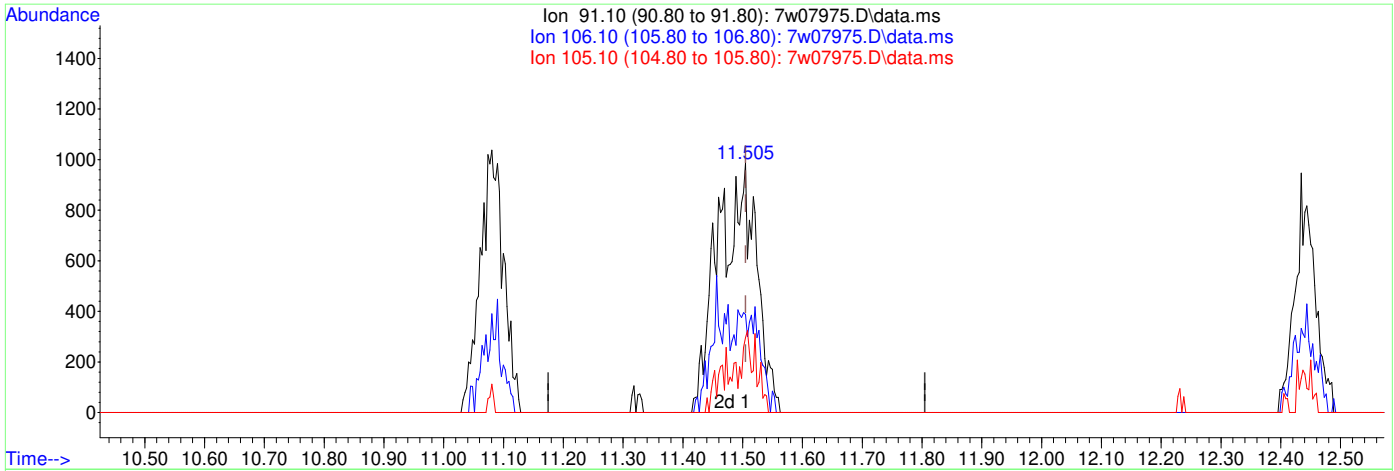
response 2415

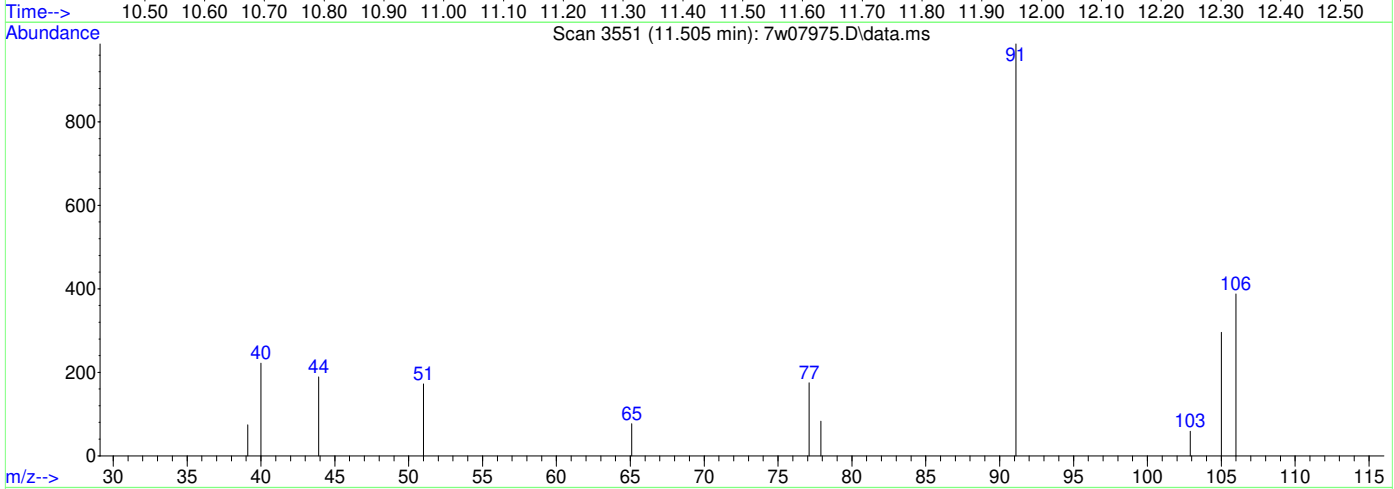
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 17.97 |
| 105.10 | 11.30 | 30.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

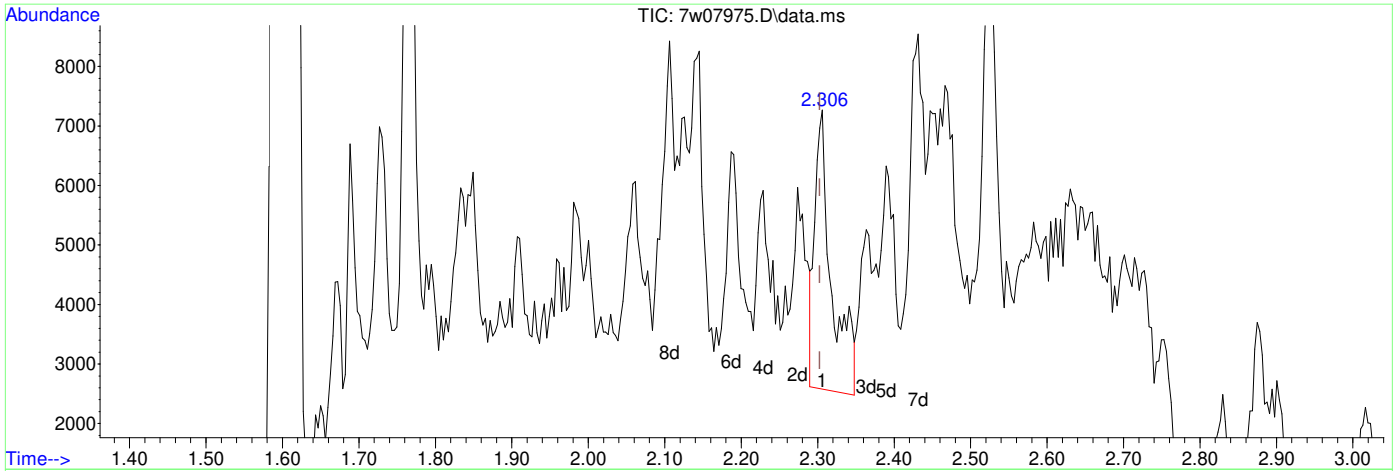
response 4346

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 9.99 |
| 105.10 | 11.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

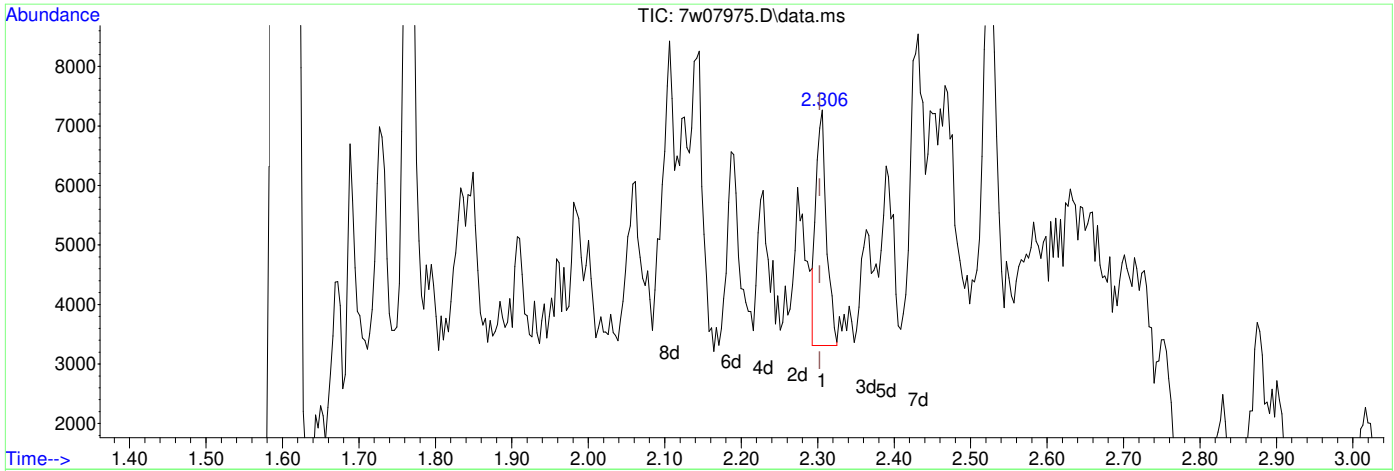
response 7138

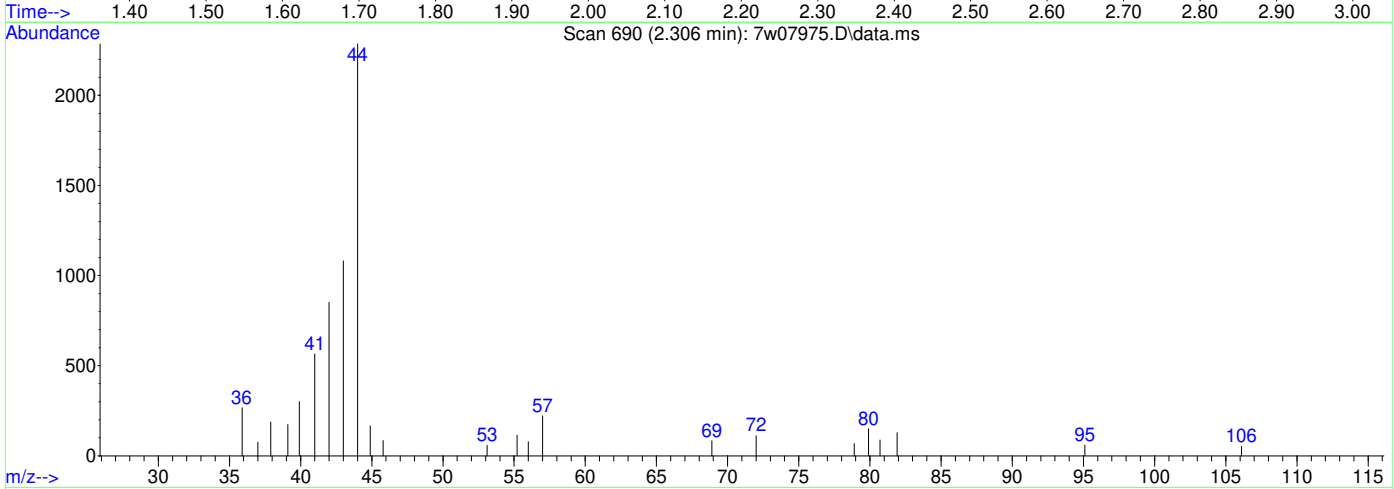
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

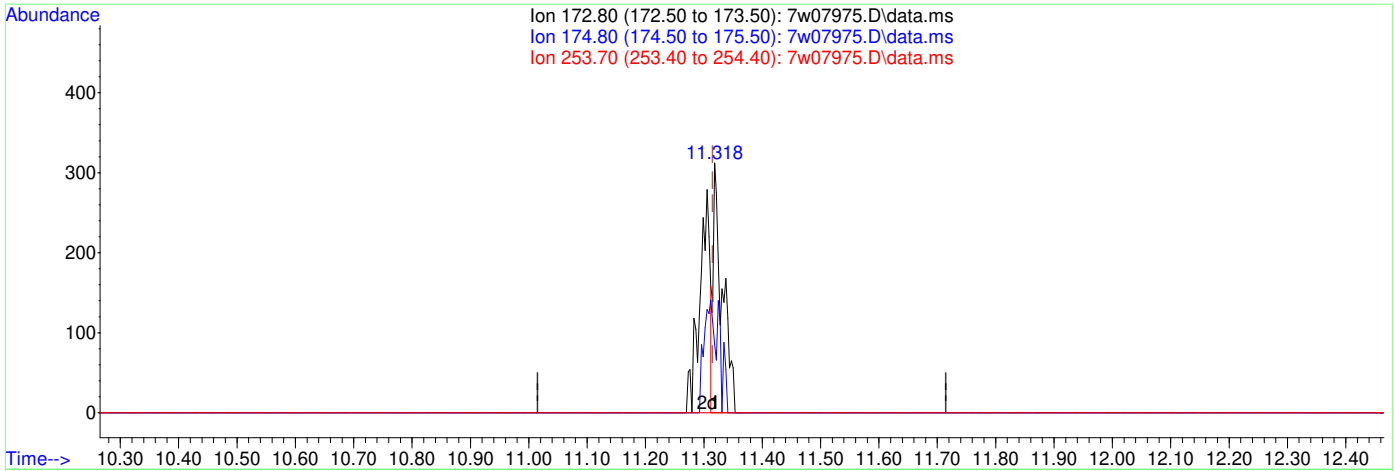
response 3733

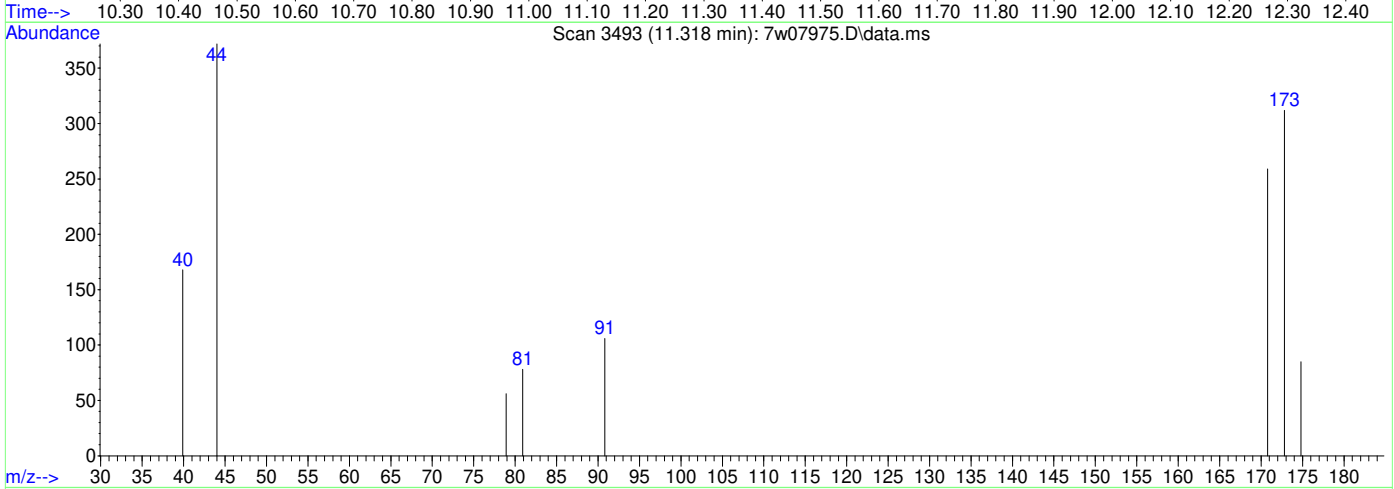
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

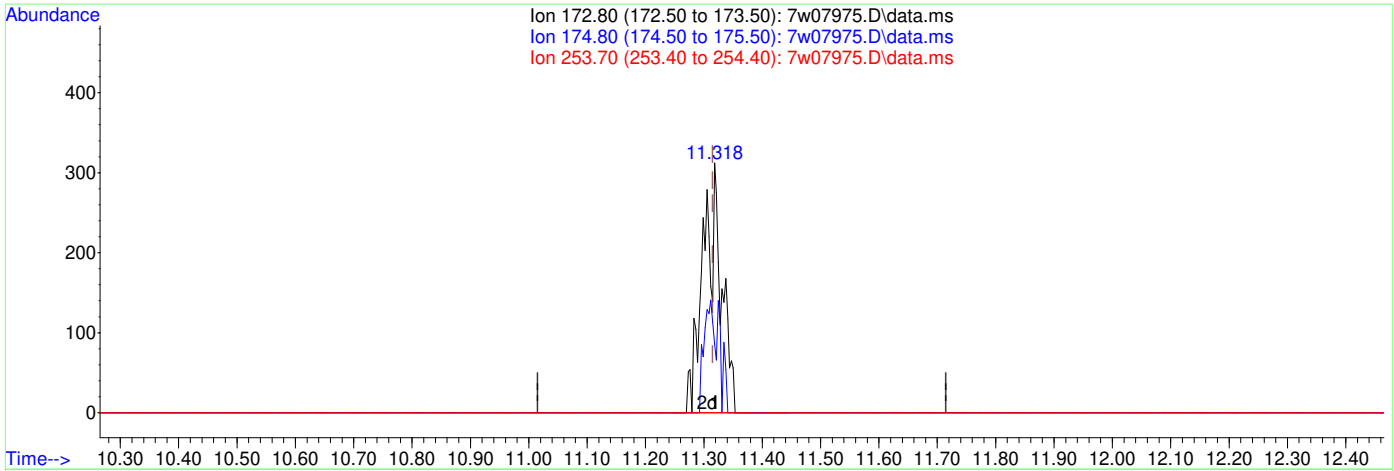
response 343

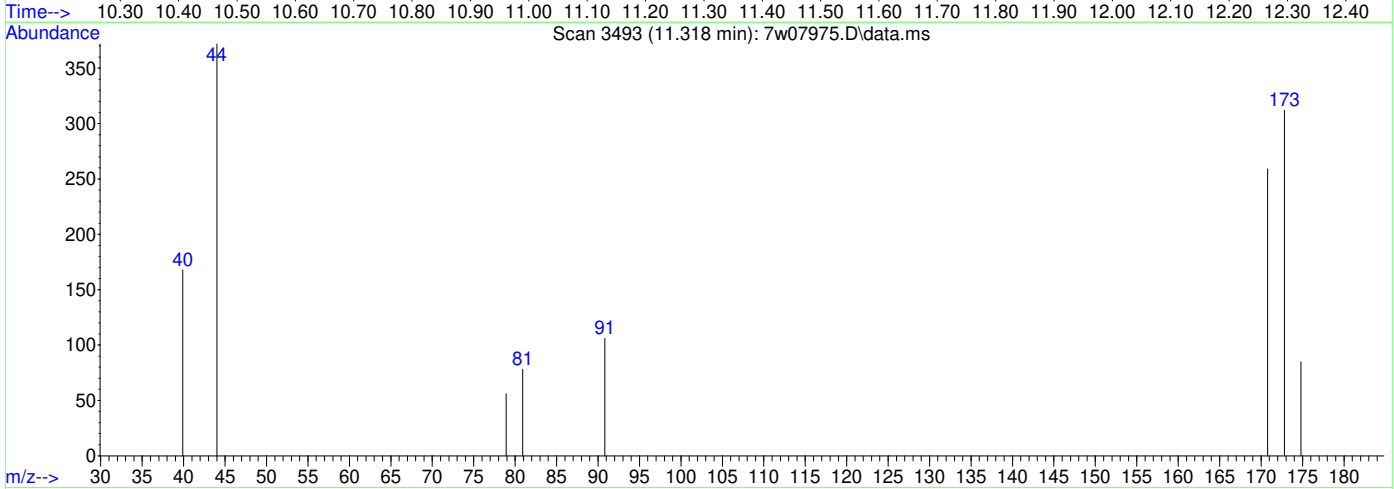
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 73.76# |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

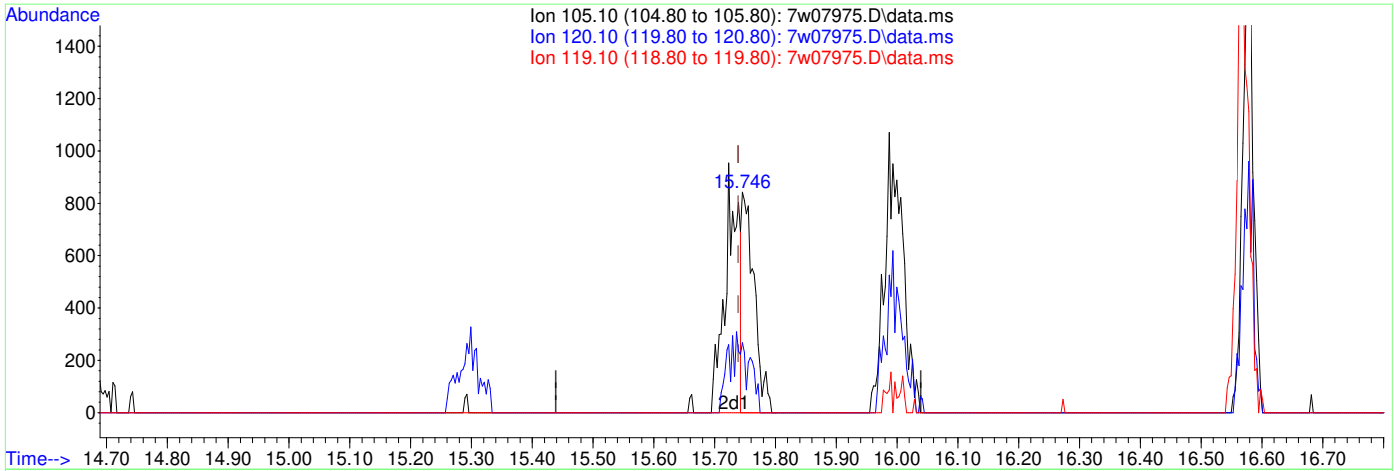
response 690

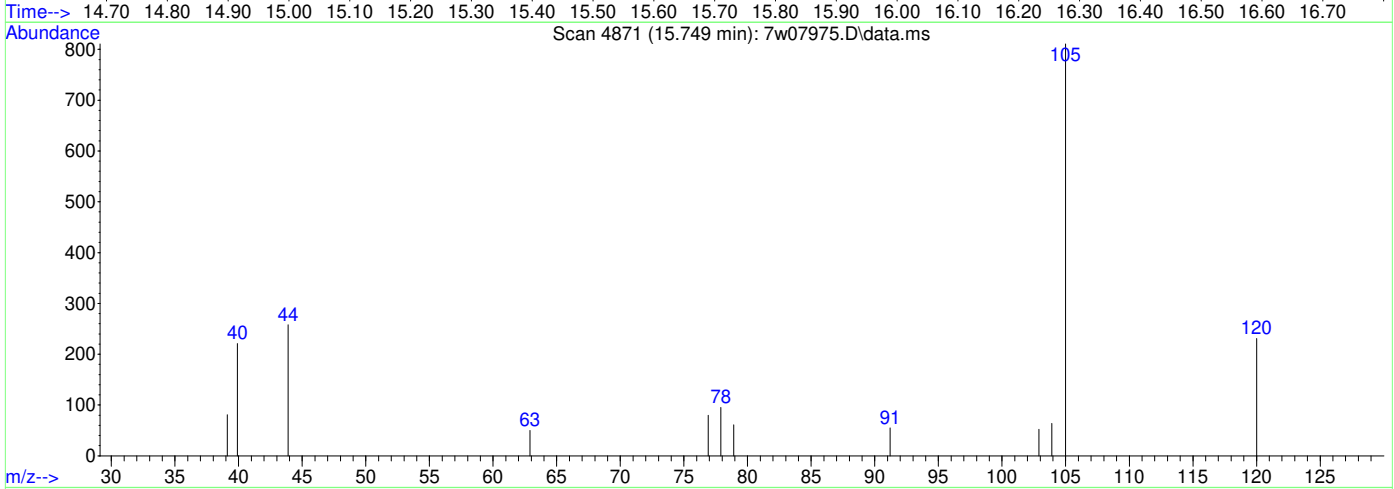
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 36.67 |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

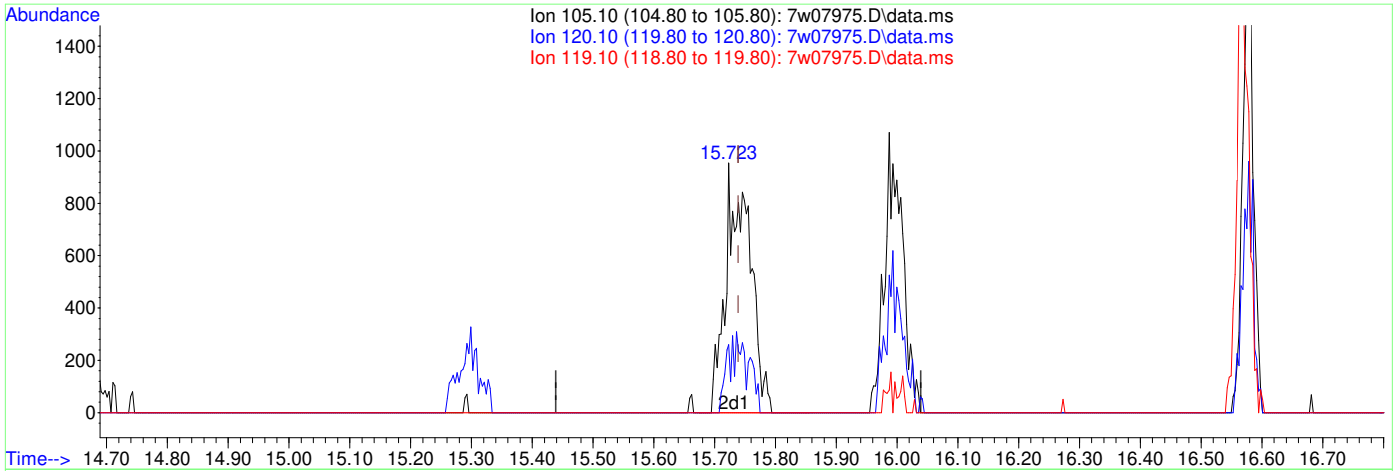
response 1190

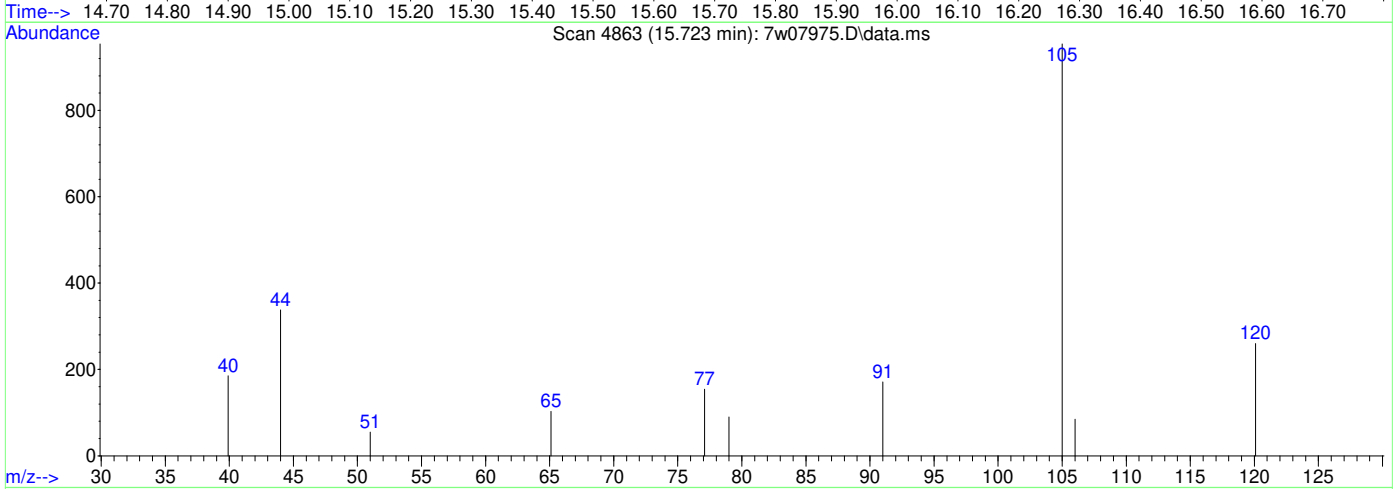
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 59.66# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 26.72 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 426374 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 372534 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 268355 | 9.65 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 1189 | 0.11 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 621 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 284 | 0.10 | PPBV | | 86 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 1478 | 0.11 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 3366 | 0.09 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 1040 | 0.13 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 2851 | 0.09 | PPBV | # | 85 |
| 9) FREON 114 | 1.762 | 85 | 3135 | 0.10 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 472 | 0.09 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 1305 | 0.09 | PPBV | # | 96 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 1195 | 0.09 | PPBV | # | 79 |
| 13) N-BUTANE | 1.849 | 43 | 2166 | 0.09 | PPBV | # | 55 |
| 14) BROMOMETHANE | 1.907 | 94 | 1159 | 0.10 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 645 | 0.08 | PPBV | # | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 2615 | 0.09 | PPBV | | 90 |
| 17) ACETONITRILE | 2.055 | 41 | 1535 | 0.10 | PPBV | # | 70 |
| 18) ACROLEIN | 2.097 | 56 | 855 | 0.11 | PPBV | | 79 |
| 19) FREON 123 | 2.106 | 83 | 2595 | 0.08 | PPBV | | 91 |
| 20) FREON 123A | 2.122 | 117 | 1623 | 0.09 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 3104 | 0.09 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.232 | 45 | 3464 | 0.09 | PPBV | # | 96 |
| 23) ACETONE | 2.142 | 58 | 1367 | 0.13 | PPBV | | 81 |
| 24) PENTANE | 2.299 | 42 | 1690 | 0.09 | PPBV | | 94 |
| 25) IODOMETHANE | 2.367 | 142 | 2692 | 0.09 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 1212 | 0.09 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 3323 | 0.09 | PPBV | # | 2 |
| 28) ETHANOL | 1.997 | 45 | 1564 | 0.18 | PPBV | # | 91 |
| 29) BROMOETHENE | 2.061 | 106 | 1012 | 0.08 | PPBV | # | 91 |
| 30) ACRYLONITRILE | 2.277 | 52 | 1142 | 0.09 | PPBV | | 88 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 1614 | 0.13 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.467 | 76 | 615 | 0.09 | PPBV | # | 34 |
| 33) FREON 113 | 2.524 | 151 | 1786 | 0.09 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 1124 | 0.09 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.454 | 59 | 2814 | 0.09 | PPBV | # | 1 |
| 36) METHYL TERTIARY BUTYL ... | 2.875 | 73 | 2894 | 0.10 | PPBV | # | 83 |
| 37) TETRAHYDROFURAN | 3.589 | 72 | 550 | 0.11 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 2328 | 0.10 | PPBV | | 95 |
| 39) VINYL ACETATE | 2.897 | 86 | 238 | 0.10 | PPBV | # | 28 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 2094 | 0.10 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 631 | 0.12 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 1257 | 0.11 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 665 | 0.11 | PPBV | | 91 |
| 44) ETHYL ACETATE | 3.348 | 61 | 500 | 0.11 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 2546 | 0.09 | PPBV | | 96 |
| 46) CHLOROFORM | 3.338 | 83 | 2546 | 0.11 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.830 | 57 | 2770 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 2268 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 2109 | 0.10 | PPBV | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 1979 | 0.11 | PPBV | | 94 |
| 51) | BENZENE | 4.225 | 78 | 4011 | 0.12 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 1594 | 0.11 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.675 | 71 | 764 | 0.10 | PPBV | | 78 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 1772 | 0.11 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 1565 | 0.11 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 1541 | 0.11 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.029 | 55 | 3169 | 0.10 | PPBV | | 98 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 2410 | 0.10 | PPBV | | 89 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.212 | 57 | 7392 | 0.10 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 5.245 | 88 | 791 | 0.10 | PPBV | # | 31 |
| 62) | HEPTANE | 5.534 | 43 | 2624 | 0.10 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 1358 | 0.10 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.209 | 58 | 1670 | 0.11 | PPBV | | 85 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 1749 | 0.09 | PPBV | | 95 |
| 66) | TOLUENE | 7.257 | 91 | 4699 | 0.11 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 2200 | 0.10 | PPBV | | 94 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 1161 | 0.07 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 1330 | 0.11 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.891 | 58 | 2802 | 0.12 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.990 | 69 | 2017 | 0.09 | PPBV | # | 29 |
| 72) | TETRACHLOROETHENE | 8.987 | 164 | 1787 | 0.11 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.791 | 129 | 2184 | 0.11 | PPBV | | 96 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 2144 | 0.10 | PPBV | # | 93 |
| 75) | OCTANE | 9.145 | 43 | 4023 | 0.11 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 1614 | 0.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 3946 | 0.12 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 6395 | 0.11 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.502 | 91 | 9776m | 0.24 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 5001 | 0.12 | PPBV | | 96 |
| 82) | STYRENE | 12.231 | 104 | 3528 | 0.11 | PPBV | | 97 |
| 83) | NONANE | 13.569 | 43 | 4019 | 0.11 | PPBV | | 98 |
| 84) | BROMOFORM | 11.309 | 173 | 1656 | 0.09 | PPBV | # | 94 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 3311 | 0.11 | PPBV | # | 27 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.730 | 75 | 2751 | 0.12 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.964 | 120 | 1945 | 0.12 | PPBV | | 89 |
| 89) | BROMOBENZENE | 13.813 | 77 | 3458 | 0.11 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.948 | 126 | 1559 | 0.11 | PPBV | | 93 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 1817 | 0.11 | PPBV | # | 78 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 6120 | 0.10 | PPBV | # | 75 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.000 | 105 | 5446 | 0.10 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 2523 | 0.09 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 1313 | 0.10 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 5507 | 0.09 | PPBV | | 97 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 1270 | 0.05 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.636 | 146 | 3586 | 0.10 | PPBV | | 93 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 3820 | 0.10 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.041 | 146 | 3498 | 0.10 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 1720 | 0.10 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 5572 | 0.10 | PPBV | | 97 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 1842 | 0.10 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 1626 | 0.09 | PPBV | | 90 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 1235 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 2528 | 0.10 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 3381 | 0.14 | PPBV | | 97 |
| 108) | NAPHTHALENE | 18.395 | 128 | 9159 | 0.16 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 8184 | 0.10 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

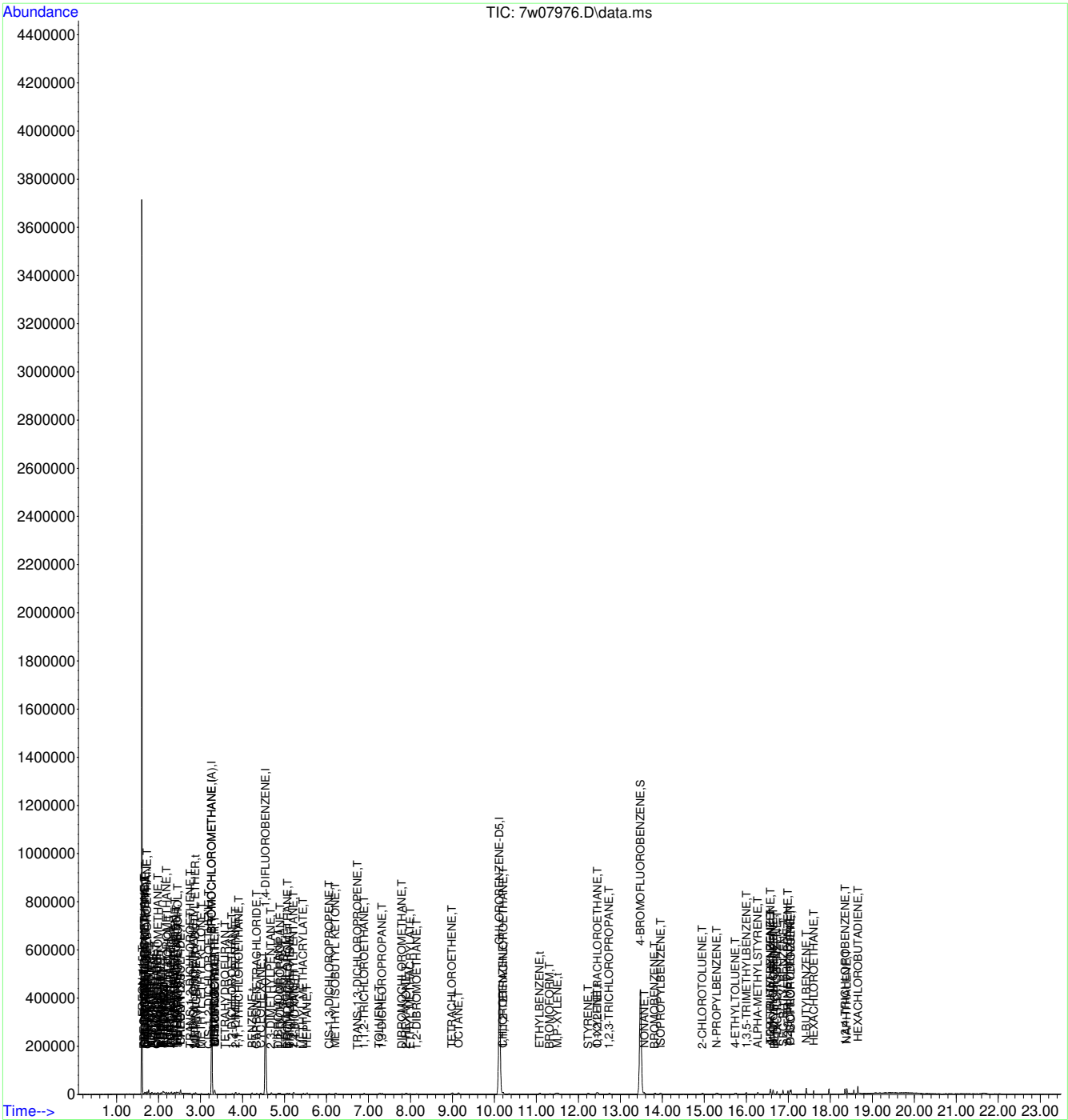
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



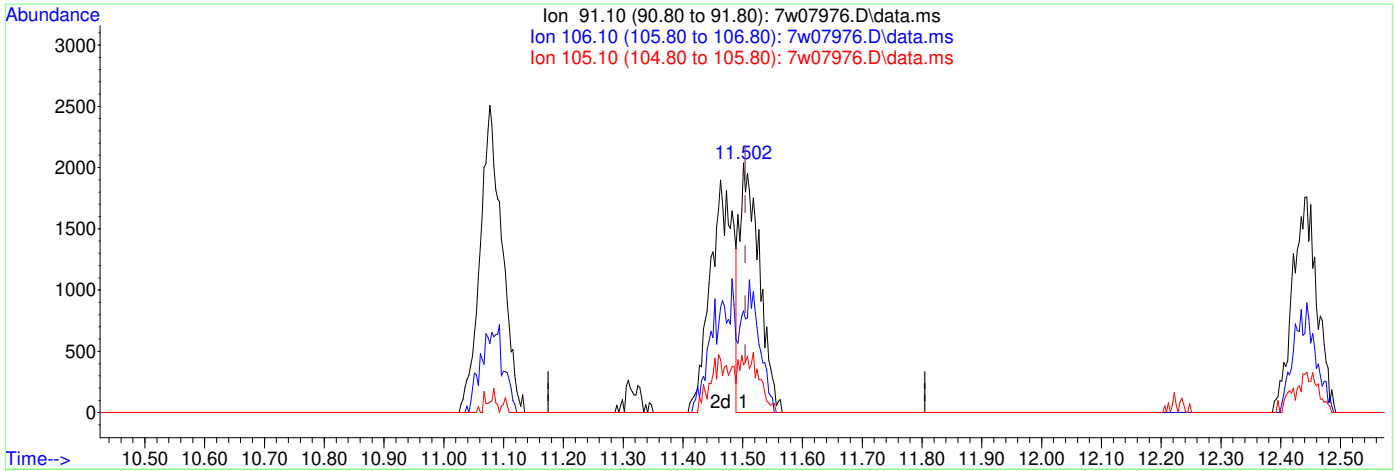
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07976.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:13 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

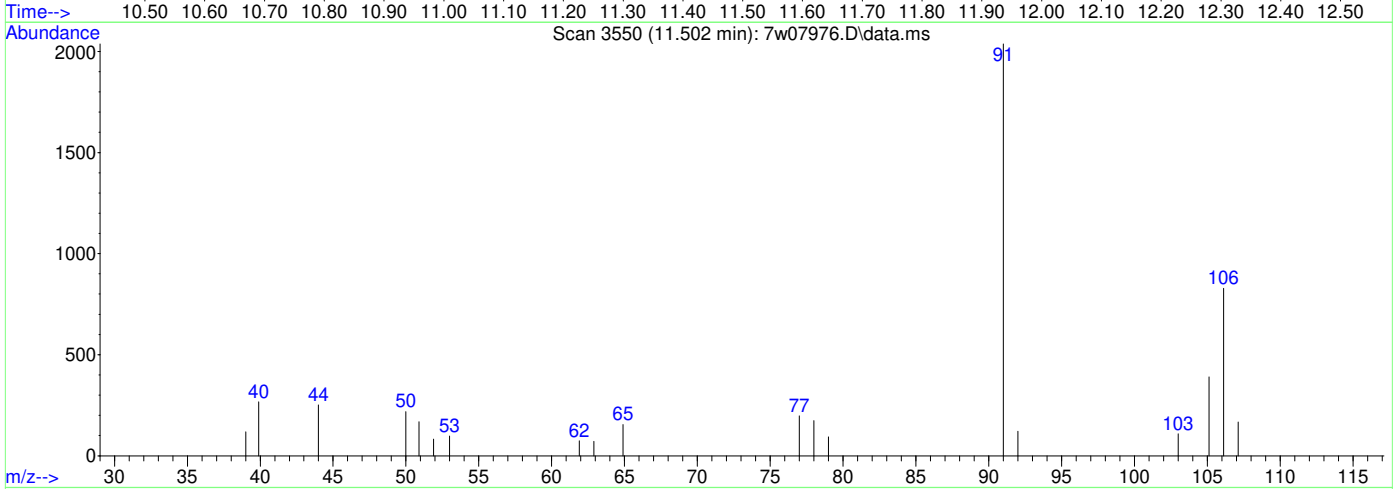
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

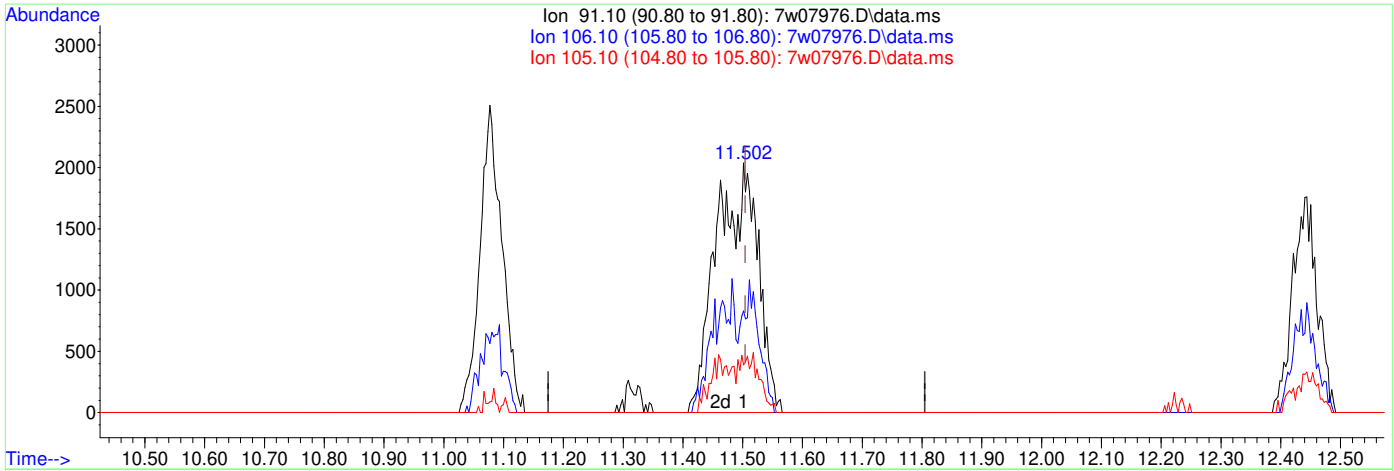
response 4741

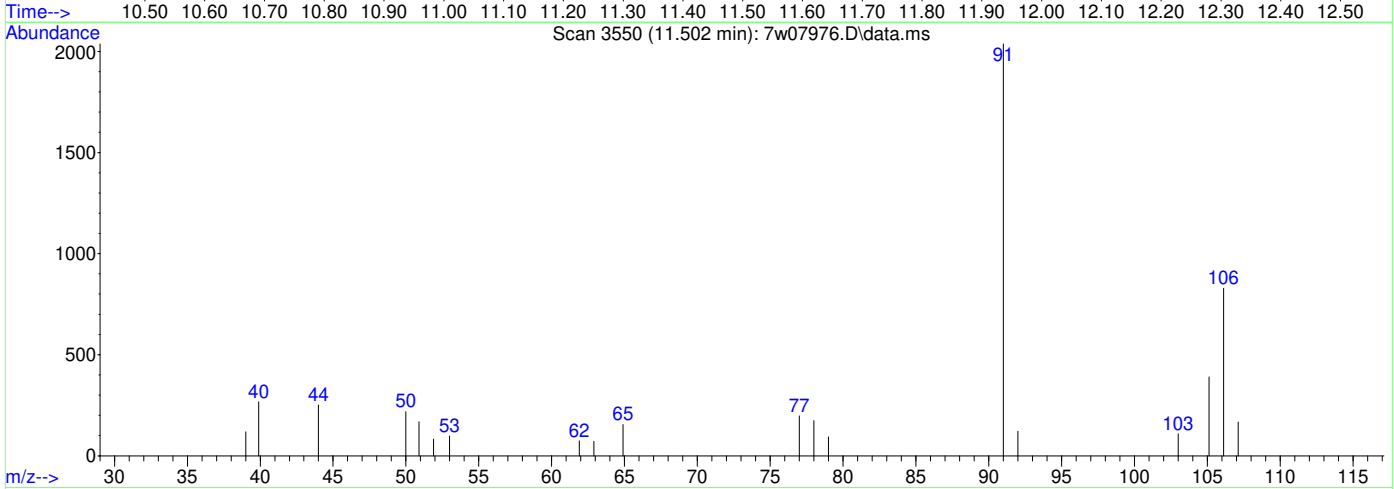
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.55 |
| 105.10 | 11.30 | 23.24 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.15 |
| 105.10 | 11.30 | 11.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 417480 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 367012 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 264802 | 9.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 2326 | 0.21 | PPBV | | 94 |
| 3) FREON 152A | 1.647 | 65 | 1163 | 0.19 | PPBV | | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 602 | 0.23 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 2630 | 0.21 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 6840 | 0.19 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 1717 | 0.21 | PPBV | | 94 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 5757 | 0.18 | PPBV | | 91 |
| 9) FREON 114 | 1.759 | 85 | 5769 | 0.18 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.727 | 52 | 850 | 0.17 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 2663 | 0.18 | PPBV | | 96 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 2375 | 0.19 | PPBV | | 94 |
| 13) N-BUTANE | 1.846 | 43 | 4070 | 0.17 | PPBV | # | 79 |
| 14) BROMOMETHANE | 1.907 | 94 | 2219 | 0.19 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 1401 | 0.17 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 5439 | 0.19 | PPBV | | 99 |
| 17) ACETONITRILE | 2.055 | 41 | 3149 | 0.21 | PPBV | | 93 |
| 18) ACROLEIN | 2.094 | 56 | 1372 | 0.19 | PPBV | | 89 |
| 19) FREON 123 | 2.103 | 83 | 5470 | 0.17 | PPBV | | 98 |
| 20) FREON 123A | 2.123 | 117 | 3145 | 0.18 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 5923 | 0.18 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 6150 | 0.16 | PPBV | | 100 |
| 23) ACETONE | 2.139 | 58 | 2159 | 0.22 | PPBV | | 100 |
| 24) PENTANE | 2.299 | 42 | 3022 | 0.16 | PPBV | | 96 |
| 25) IODOMETHANE | 2.361 | 142 | 5432 | 0.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 2330 | 0.18 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 6551 | 0.18 | PPBV | # | 31 |
| 28) ETHANOL | 2.000 | 45 | 2022 | 0.24 | PPBV | | 87 |
| 29) BROMOETHENE | 2.058 | 106 | 2034 | 0.17 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.277 | 52 | 2439 | 0.18 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 2696 | 0.22 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 1256 | 0.18 | PPBV | # | 56 |
| 33) FREON 113 | 2.521 | 151 | 3632 | 0.19 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.750 | 96 | 2164 | 0.18 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.451 | 59 | 5152 | 0.16 | PPBV | # | 60 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 5623 | 0.21 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.582 | 72 | 1097 | 0.23 | PPBV | | 95 |
| 38) HEXANE | 3.322 | 57 | 4465 | 0.20 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.907 | 86 | 442 | 0.19 | PPBV | # | 41 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 4233 | 0.21 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 1161 | 0.22 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 2366 | 0.22 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 1113 | 0.18 | PPBV | | 76 |
| 44) ETHYL ACETATE | 3.344 | 61 | 910 | 0.22 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 4855 | 0.19 | PPBV | # | 25 |
| 46) CHLOROFORM | 3.338 | 83 | 4898 | 0.22 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 4922 | 0.20 | PPBV | | 96 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 4147 | 0.20 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 4013 | 0.20 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 3831 | 0.22 | PPBV | | 98 |
| 51) | BENZENE | 4.222 | 78 | 7289 | 0.22 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 3089 | 0.22 | PPBV | | 95 |
| 54) | 2,3-DIMETHYLPENTANE | 4.682 | 71 | 1631 | 0.22 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 3128 | 0.21 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 2838 | 0.20 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 2782 | 0.20 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.020 | 55 | 6089 | 0.20 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.065 | 83 | 4748 | 0.20 | PPBV | | 95 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 14752 | 0.21 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.222 | 88 | 2233 | 0.23 | PPBV | # | 1 |
| 62) | HEPTANE | 5.534 | 43 | 5290 | 0.21 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 2733 | 0.22 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.216 | 58 | 3415 | 0.22 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 3343 | 0.18 | PPBV | | 95 |
| 66) | TOLUENE | 7.264 | 91 | 9195 | 0.22 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.319 | 76 | 4502 | 0.22 | PPBV | | 98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 2208 | 0.14 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.891 | 83 | 2480 | 0.21 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.888 | 58 | 5066 | 0.18 | PPBV | | 93 |
| 71) | ETHYL METHACRYLATE | 7.984 | 69 | 4055 | 0.20 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 3549 | 0.22 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 4142 | 0.21 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.135 | 107 | 4391 | 0.22 | PPBV | # | 98 |
| 75) | OCTANE | 9.135 | 43 | 7595 | 0.22 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 2986 | 0.19 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 7462 | 0.23 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 12480 | 0.20 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.498 | 91 | 18766m | 0.43 | PPBV | | |
| 81) | O-XYLENE | 12.447 | 91 | 9653 | 0.23 | PPBV | | 87 |
| 82) | STYRENE | 12.235 | 104 | 6881 | 0.23 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 7639 | 0.22 | PPBV | | 96 |
| 84) | BROMOFORM | 11.322 | 173 | 3470 | 0.19 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 6952 | 0.23 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 5179 | 0.22 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 3629 | 0.22 | PPBV | | 97 |
| 89) | BROMOBENZENE | 13.820 | 77 | 6828 | 0.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 3019 | 0.20 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 3589 | 0.22 | PPBV | | 95 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 13103 | 0.20 | PPBV | # | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 10844 | 0.20 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 5388 | 0.20 | PPBV | | 97 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 2559 | 0.18 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.575 | 105 | 11120 | 0.19 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.665 | 91 | 2497 | 0.10 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 7185 | 0.20 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 7542 | 0.20 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 7199 | 0.20 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 3121 | 0.19 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 11396 | 0.20 | PPBV | # | 96 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 3732 | 0.21 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 3509 | 0.21 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 2451 | 0.14 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 4955 | 0.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 6745 | 0.33 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 18097 | 0.38 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 17481 | 0.21 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

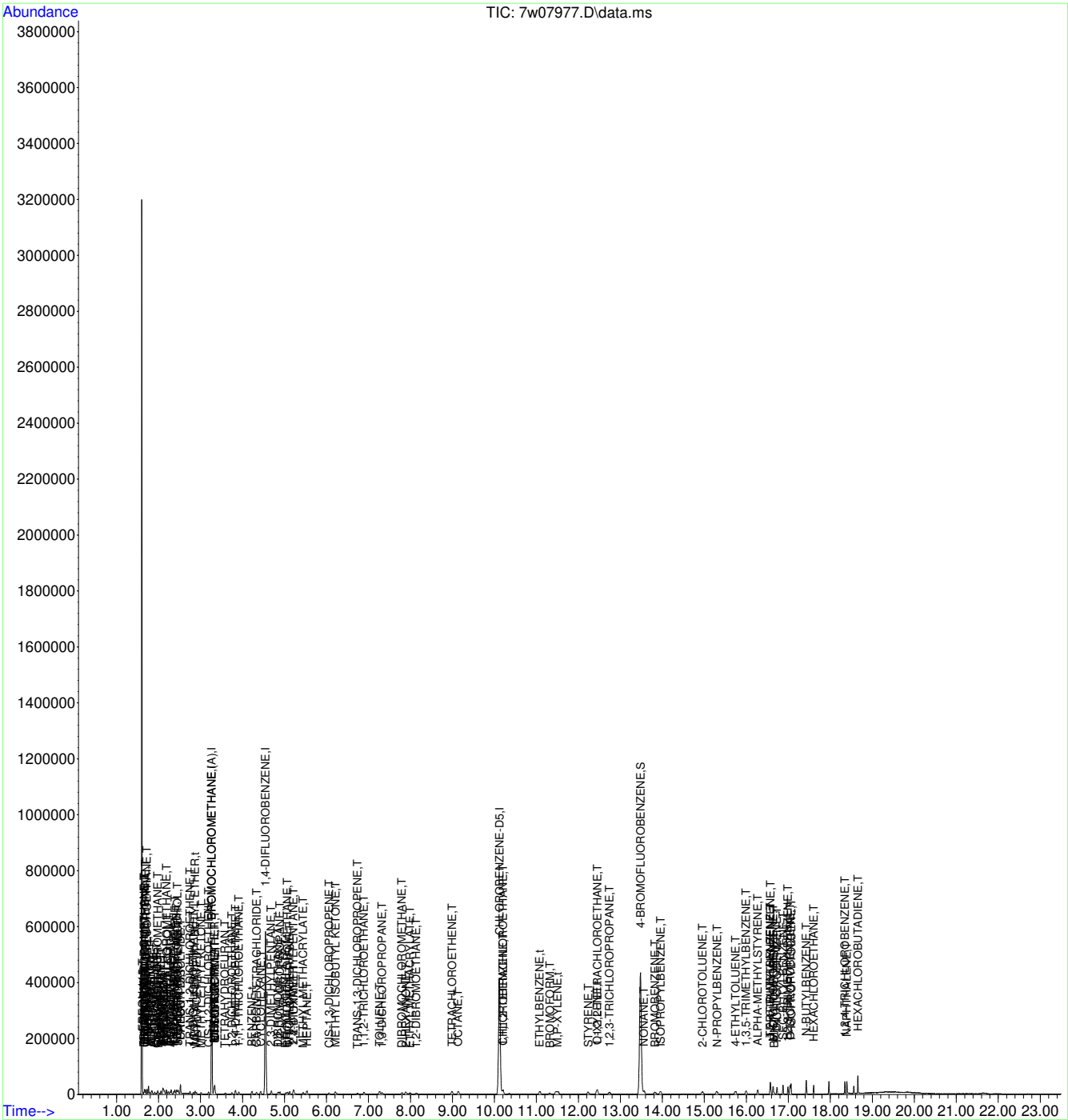
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



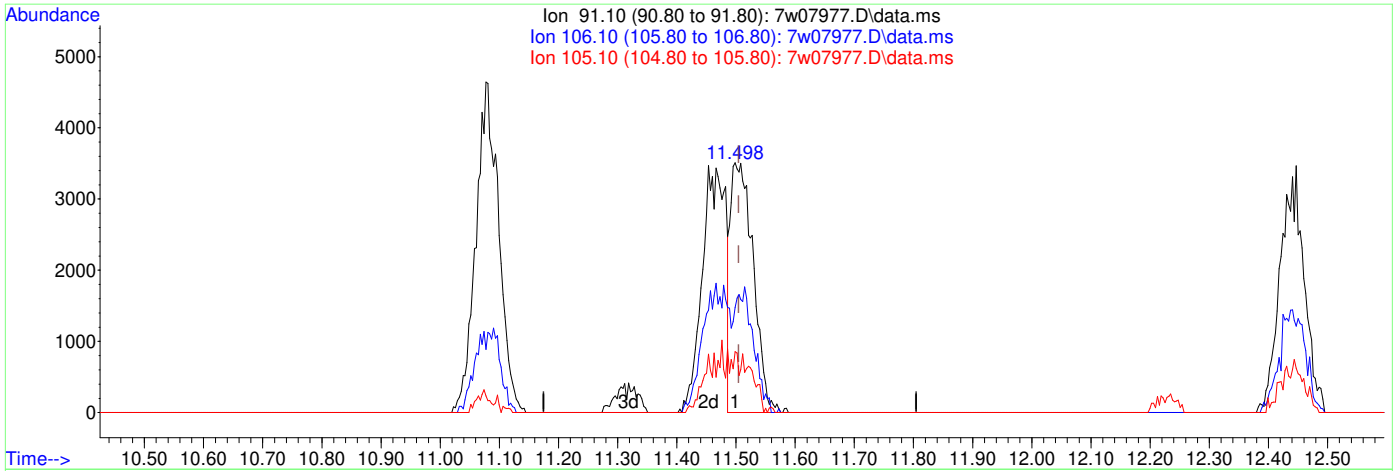
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07977.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:49 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

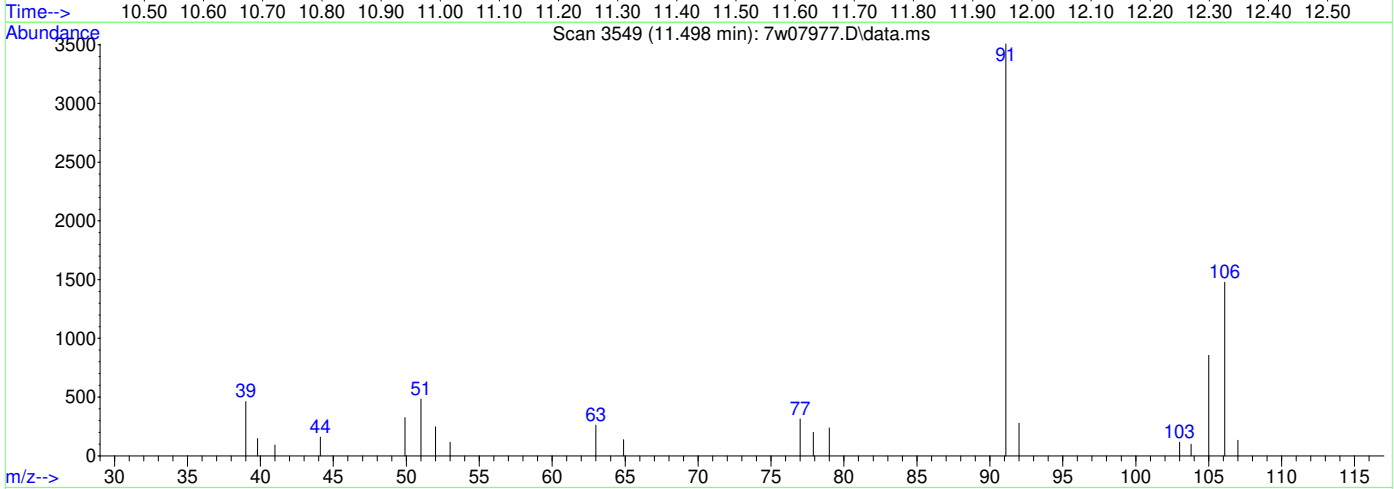
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

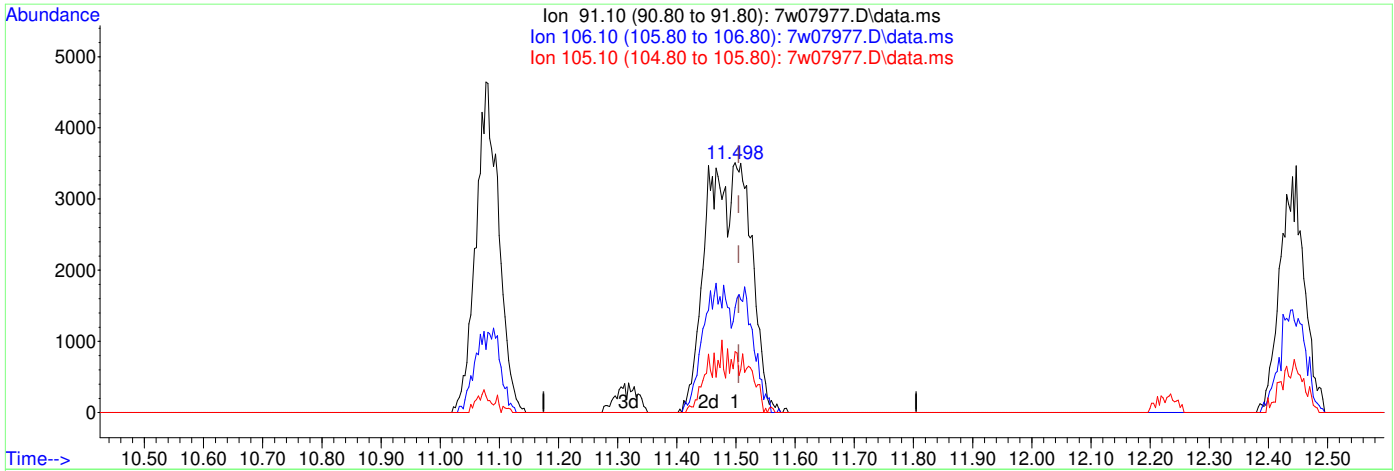
response 9375

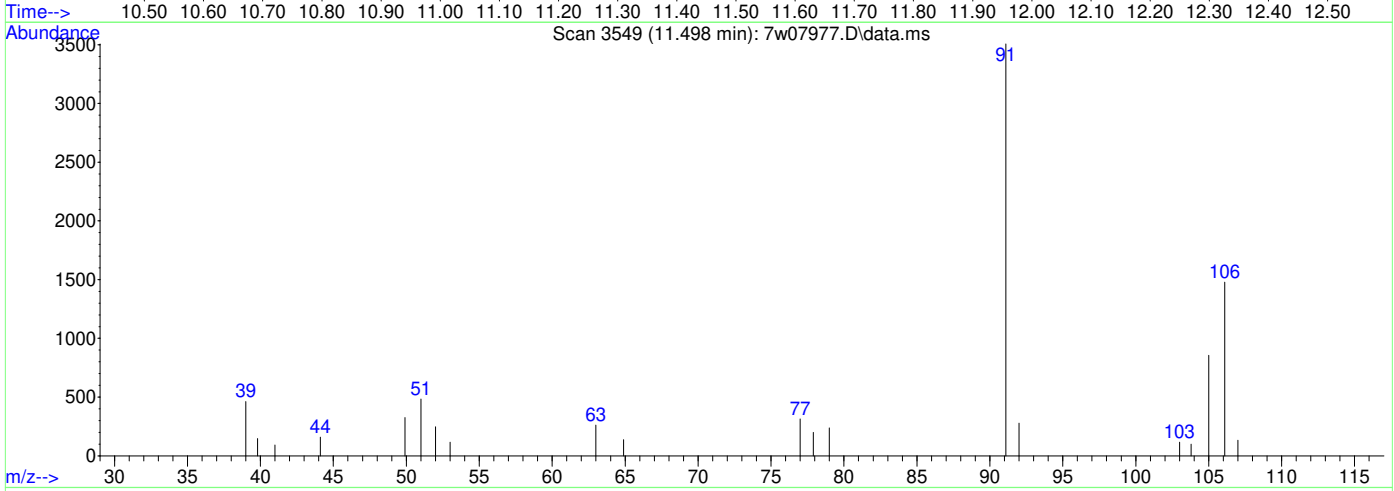
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.98 |
| 105.10 | 11.30 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.97 |
| 105.10 | 11.30 | 6.70 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410941 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 362110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262037 | 9.71 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 5861 | 0.54 | PPBV | | 96 |
| 3) FREON 152A | 1.644 | 65 | 3003 | 0.50 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 1485 | 0.58 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 6805 | 0.55 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 16795 | 0.46 | PPBV | | 99 |
| 7) PROPYLENE | 1.666 | 41 | 3977 | 0.50 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 14549 | 0.46 | PPBV | | 96 |
| 9) FREON 114 | 1.759 | 85 | 15134 | 0.48 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 2035 | 0.41 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 6673 | 0.44 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 5500 | 0.43 | PPBV | | 95 |
| 13) N-BUTANE | 1.846 | 43 | 10568 | 0.42 | PPBV | # | 90 |
| 14) BROMOMETHANE | 1.907 | 94 | 5484 | 0.48 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 3547 | 0.44 | PPBV | | 94 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 13608 | 0.47 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 6551 | 0.44 | PPBV | | 92 |
| 18) ACROLEIN | 2.094 | 56 | 3046 | 0.40 | PPBV | | 95 |
| 19) FREON 123 | 2.103 | 83 | 13299 | 0.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 8058 | 0.46 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.184 | 101 | 15424 | 0.46 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 14044 | 0.37 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 4080 | 0.40 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 7472 | 0.39 | PPBV | | 98 |
| 25) IODOMETHANE | 2.361 | 142 | 13827 | 0.46 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 5730 | 0.43 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 16067 | 0.43 | PPBV | # | 66 |
| 28) ETHANOL | 1.994 | 45 | 4627 | 0.45 | PPBV | # | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 5247 | 0.44 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.274 | 52 | 5669 | 0.41 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 5894 | 0.48 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 2755 | 0.38 | PPBV | # | 37 |
| 33) FREON 113 | 2.521 | 151 | 8992 | 0.46 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 5687 | 0.48 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.444 | 59 | 13081 | 0.39 | PPBV | # | 64 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 13772 | 0.51 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 3.576 | 72 | 2595 | 0.57 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 10976 | 0.50 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.898 | 86 | 1009 | 0.43 | PPBV | # | 29 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 10432 | 0.51 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 2909 | 0.56 | PPBV | | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 6101 | 0.59 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 3049 | 0.51 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.341 | 61 | 2059 | 0.51 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 12344 | 0.48 | PPBV | | 97 |
| 46) CHLOROFORM | 3.341 | 83 | 12161 | 0.57 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 12901 | 0.55 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 10591 | 0.52 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 10121 | 0.53 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 9567 | 0.57 | PPBV | | 98 |
| 51) | BENZENE | 4.219 | 78 | 17995 | 0.55 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 7811 | 0.56 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.685 | 71 | 4068 | 0.57 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 8046 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 7243 | 0.52 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 6875 | 0.51 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.023 | 55 | 14562 | 0.49 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 11794 | 0.51 | PPBV | | 91 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.213 | 57 | 35817 | 0.52 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.209 | 88 | 5137 | 0.55 | PPBV | # | 6 |
| 62) | HEPTANE | 5.534 | 43 | 12581 | 0.52 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 6275 | 0.51 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.196 | 58 | 7744 | 0.52 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 8234 | 0.44 | PPBV | | 96 |
| 66) | TOLUENE | 7.261 | 91 | 22485 | 0.55 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 11161 | 0.55 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 5585 | 0.36 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 6324 | 0.55 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.878 | 58 | 12049 | 0.43 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.981 | 69 | 9663 | 0.47 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 7989 | 0.51 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.795 | 129 | 10588 | 0.54 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.132 | 107 | 10784 | 0.55 | PPBV | # | 100 |
| 75) | OCTANE | 9.139 | 43 | 17732 | 0.53 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.203 | 131 | 7115 | 0.46 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 18568 | 0.58 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 30468 | 0.51 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.508 | 91 | 46842m | 1.05 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 23828 | 0.59 | PPBV | | 94 |
| 82) | STYRENE | 12.225 | 104 | 17160 | 0.60 | PPBV | | 99 |
| 83) | NONANE | 13.560 | 43 | 19013 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 9340 | 0.52 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.450 | 83 | 16754 | 0.57 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 13531 | 0.60 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.945 | 120 | 8698 | 0.54 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 17048 | 0.58 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 8051 | 0.55 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.302 | 120 | 9156 | 0.58 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 32633 | 0.53 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 27233 | 0.51 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 13680 | 0.52 | PPBV | | 96 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 6648 | 0.48 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 28271 | 0.50 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.666 | 91 | 6446 | 0.26 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 18160 | 0.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 18687 | 0.53 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 17767 | 0.53 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 8265 | 0.51 | PPBV | | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 27828 | 0.52 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 8738 | 0.50 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 8723 | 0.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 6412 | 0.37 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 12496 | 0.54 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 16068 | 0.91 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 47796 | 1.26 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 40854 | 0.48 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

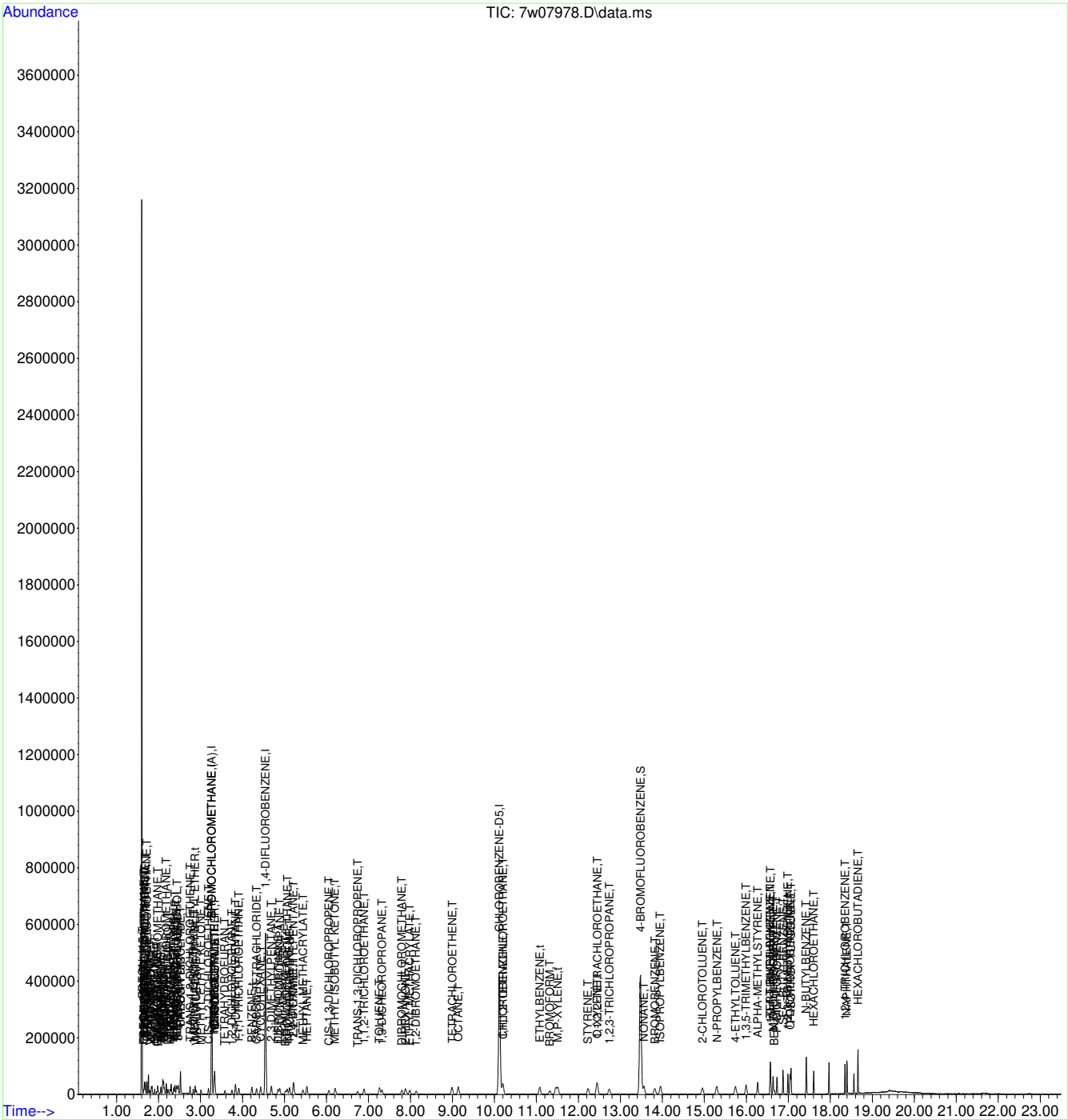
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



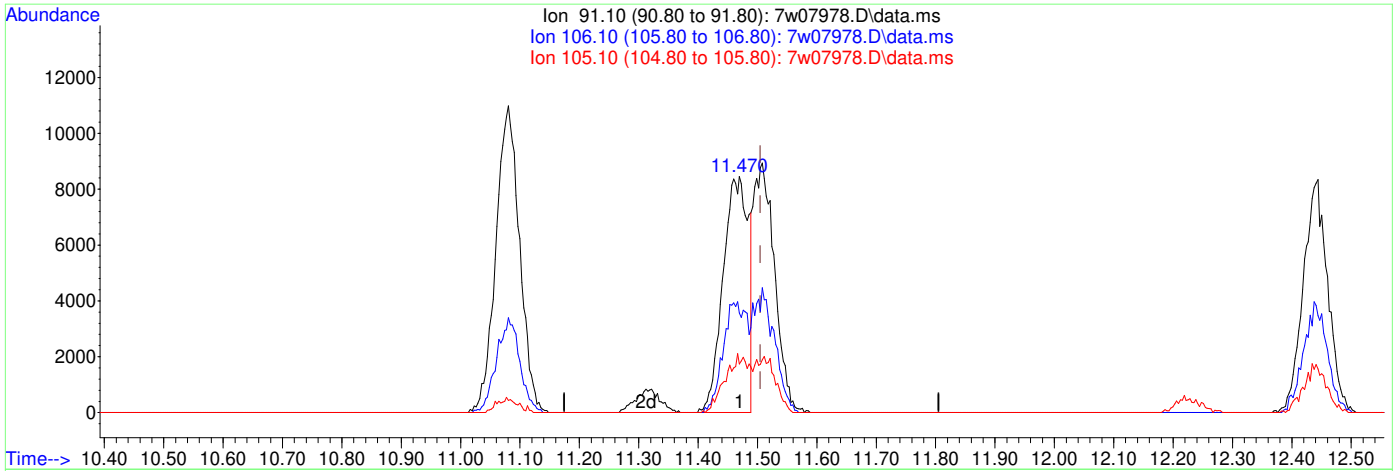
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07978.D | **Analyst approved:** | 08/19/24 10:01 Benjamin Kim |
| **Injection Time:** | 08/18/24 23:22 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

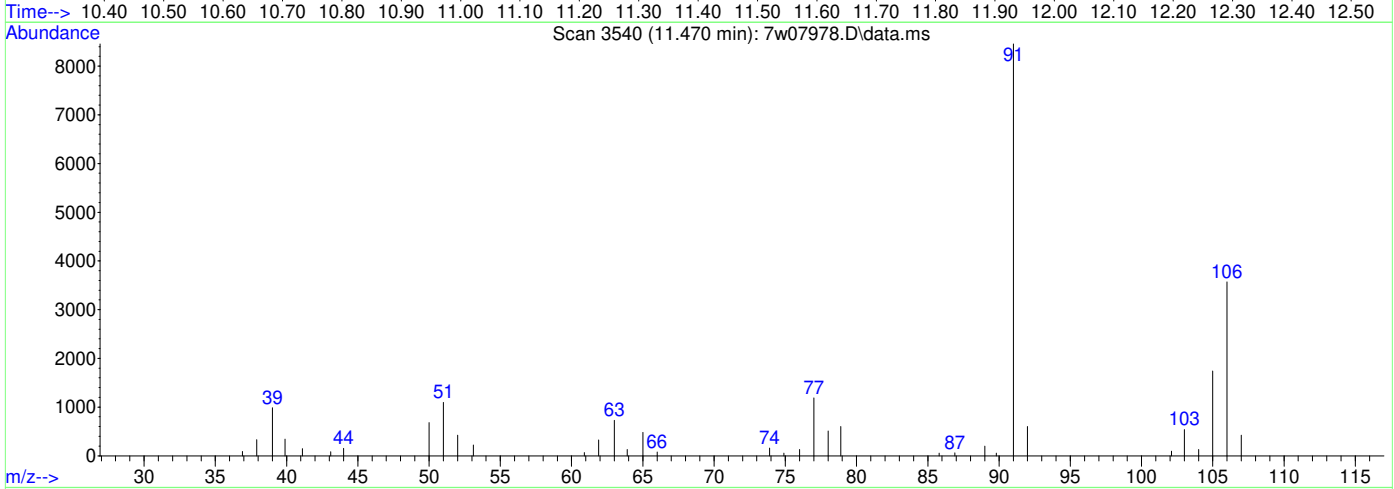
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.51 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

response 25047

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 46.05 |
| 105.10 | 11.30 | 22.58 |
| 0.00 | 0.00 | 0.00 |

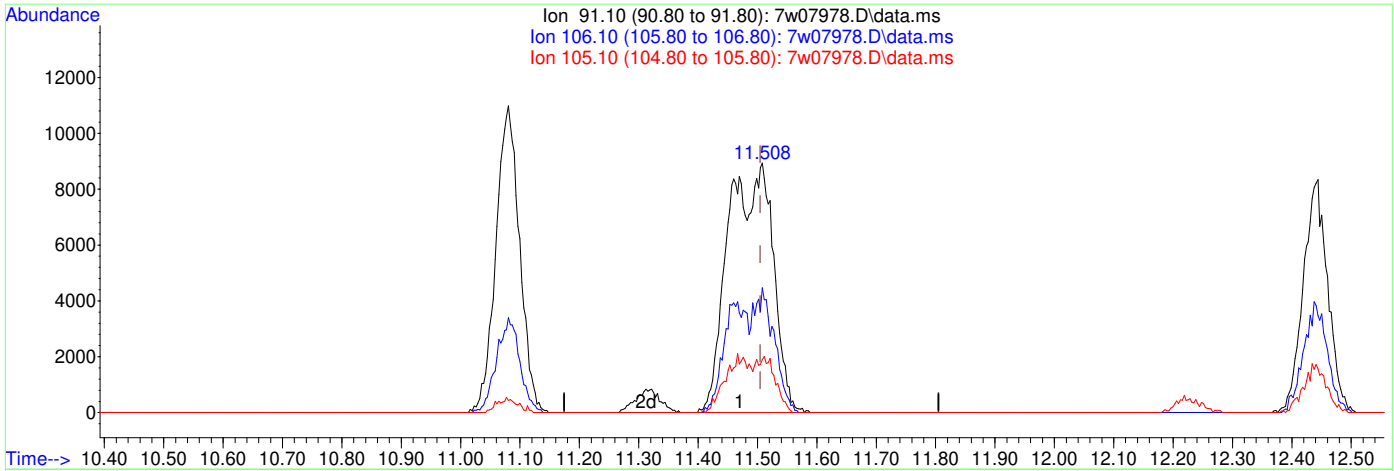


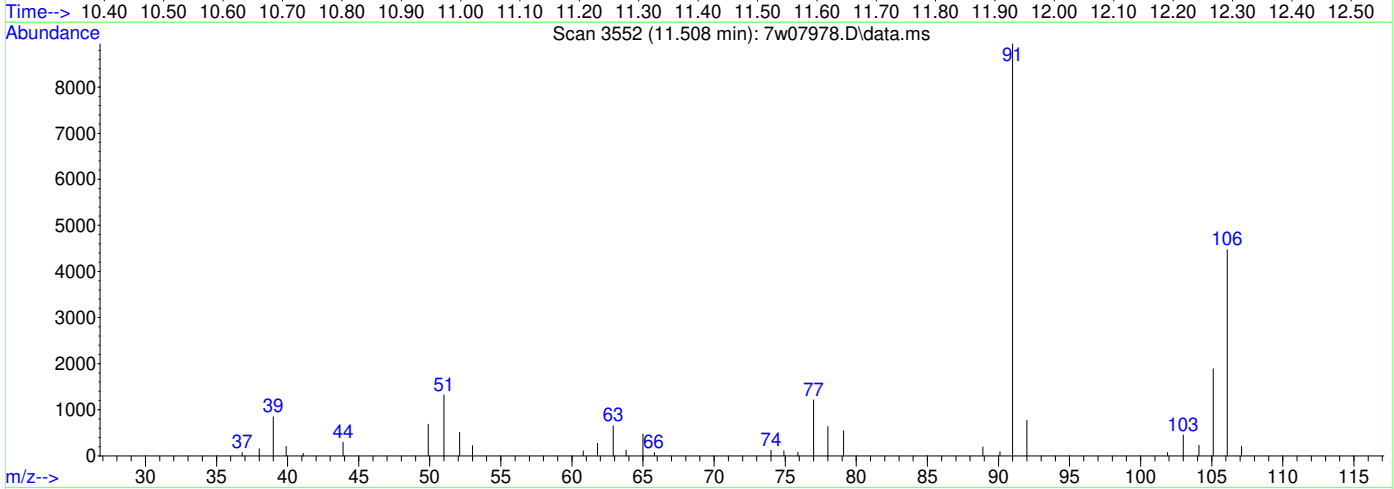
7W07978.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 24.63 |
| 105.10 | 11.30 | 12.07 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81466 | 10.00 | PPBV | # | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410025 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 361102 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81464 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 265954 | 9.38 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 27379 | 2.27 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 29000 | 4.67 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 13506 | 5.10 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 64600 | 5.12 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 169247 | 4.50 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 38377 | 4.63 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 140419 | 4.23 | PPBV | | 96 |
| 9) FREON 114 | 1.762 | 85 | 149365 | 4.52 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.733 | 52 | 19771 | 3.76 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 65999 | 4.14 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 54080 | 3.99 | PPBV | | 98 |
| 13) N-BUTANE | 1.849 | 43 | 100820 | 3.83 | PPBV | | 98 |
| 14) BROMOMETHANE | 1.910 | 94 | 51811 | 4.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 34723 | 4.05 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 132874 | 4.38 | PPBV | | 98 |
| 17) ACETONITRILE | 2.055 | 41 | 57811 | 3.60 | PPBV | | 100 |
| 18) ACROLEIN | 2.094 | 56 | 31088 | 3.87 | PPBV | | 99 |
| 19) FREON 123 | 2.106 | 83 | 133098 | 3.98 | PPBV | | 99 |
| 20) FREON 123A | 2.122 | 117 | 80453 | 4.36 | PPBV | | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 152287 | 4.27 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 129156 | 3.14 | PPBV | | 99 |
| 23) ACETONE | 2.135 | 58 | 35696 | 3.28 | PPBV | | 100 |
| 24) PENTANE | 2.303 | 42 | 71675 | 3.46 | PPBV | | 97 |
| 25) IODOMETHANE | 2.364 | 142 | 138967 | 4.41 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 56736 | 4.02 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 164494 | 4.33 | PPBV | | 99 |
| 28) ETHANOL | 1.994 | 45 | 36651 | 3.31 | PPBV | | 97 |
| 29) BROMOETHENE | 2.061 | 106 | 51262 | 4.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.277 | 52 | 52972 | 3.56 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 51833 | 3.97 | PPBV | | 86 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 28290 | 3.74 | PPBV | | 84 |
| 33) FREON 113 | 2.524 | 151 | 89281 | 4.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 52868 | 4.38 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.431 | 59 | 116326 | 3.23 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.868 | 73 | 136515 | 4.93 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 27131 | 5.79 | PPBV | | 90 |
| 38) HEXANE | 3.319 | 57 | 108490 | 4.76 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 11696 | 4.81 | PPBV | | 88 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 102265 | 4.89 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.000 | 72 | 28364 | 5.37 | PPBV | | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 57628 | 5.43 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 30846 | 4.96 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.331 | 61 | 21833 | 5.20 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 128213 | 4.81 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.341 | 83 | 118312 | 5.38 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 123753 | 5.06 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 103061 | 4.93 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 104096 | 5.26 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 90936 | 5.26 | PPBV | | 99 |
| 51) | BENZENE | 4.225 | 78 | 171826 | 5.13 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 75178 | 5.37 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 39970 | 5.61 | PPBV | | 86 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 78664 | 5.28 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 70308 | 4.98 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 65118 | 4.79 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 152697 | 5.12 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 124366 | 5.39 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 349151 | 5.05 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.164 | 88 | 45840 | 4.97 | PPBV | # | 83 |
| 62) | HEPTANE | 5.534 | 43 | 121341 | 4.96 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 65132 | 5.30 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.183 | 58 | 74156 | 4.92 | PPBV | | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 91819 | 4.90 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 218857 | 5.36 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 110082 | 5.46 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 66745 | 4.27 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 62252 | 5.39 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.855 | 58 | 112276 | 4.02 | PPBV | | 97 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 105592 | 5.14 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 77784 | 4.95 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 118229 | 5.98 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 111886 | 5.67 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 173169 | 5.12 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 78566 | 5.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 183185 | 5.81 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 299317 | 4.99 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.505 | 91 | 464302 | 10.48 | PPBV | | 99 |
| 81) | O-XYLENE | 12.437 | 91 | 236267 | 5.90 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 177117 | 6.24 | PPBV | | 99 |
| 83) | NONANE | 13.563 | 43 | 187166 | 5.08 | PPBV | | 97 |
| 84) | BROMOFORM | 11.315 | 173 | 101100 | 5.63 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 172204 | 5.90 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 133990 | 6.07 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 89542 | 5.64 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.823 | 77 | 164898 | 5.71 | PPBV | | 96 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 80136 | 5.58 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 93644 | 5.99 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 338018 | 5.58 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 282963 | 5.41 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 143668 | 5.58 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 67157 | 4.95 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 296095 | 5.30 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 79381m | 3.20 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 187655 | 5.45 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 191562 | 5.55 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 181198 | 5.52 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 84088 | 5.29 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 287527 | 5.46 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 92888 | 5.44 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 93747 | 5.91 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 82010 | 4.77 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 132649 | 5.96 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 178283 | 11.97 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 477399 | 16.43 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 356727 | 3.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

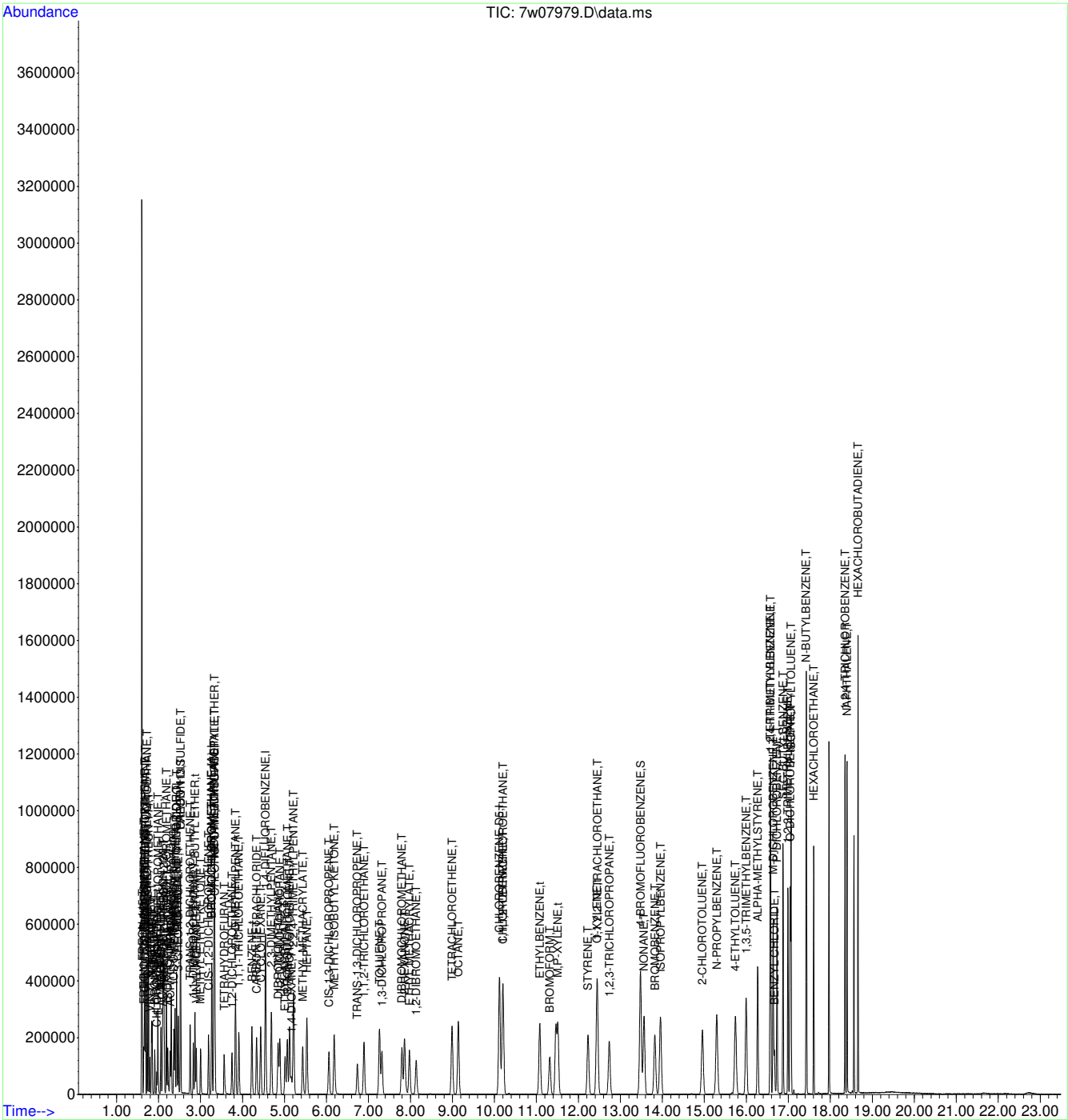
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



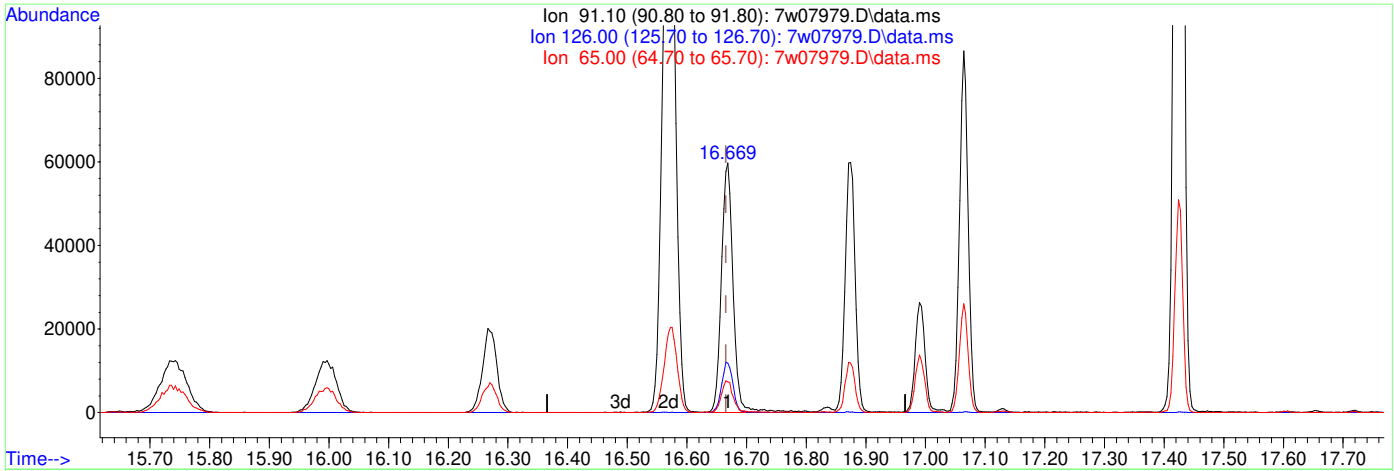
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07979.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 00:01 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

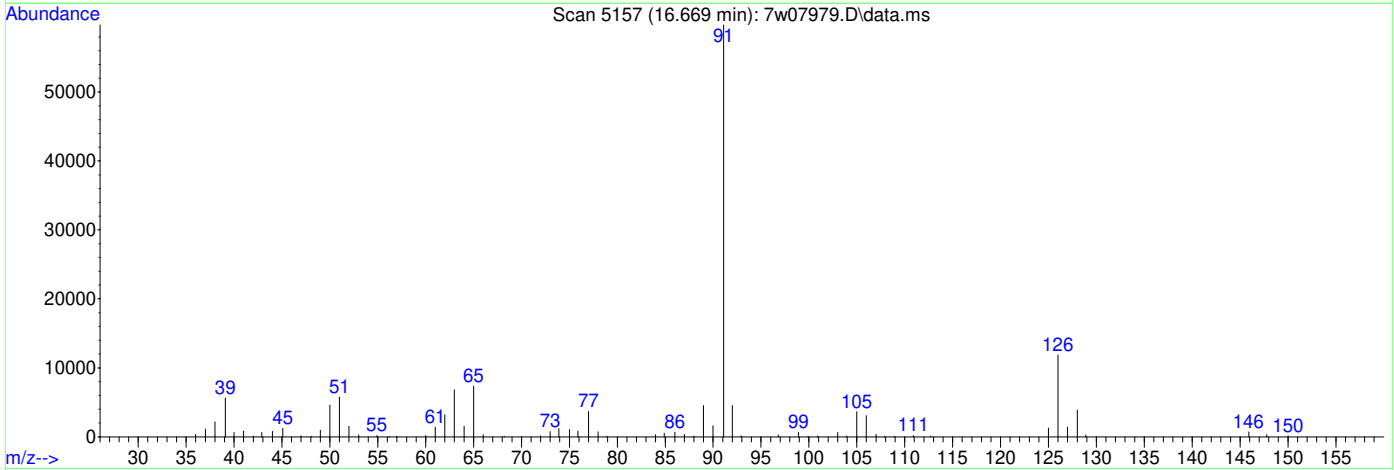
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

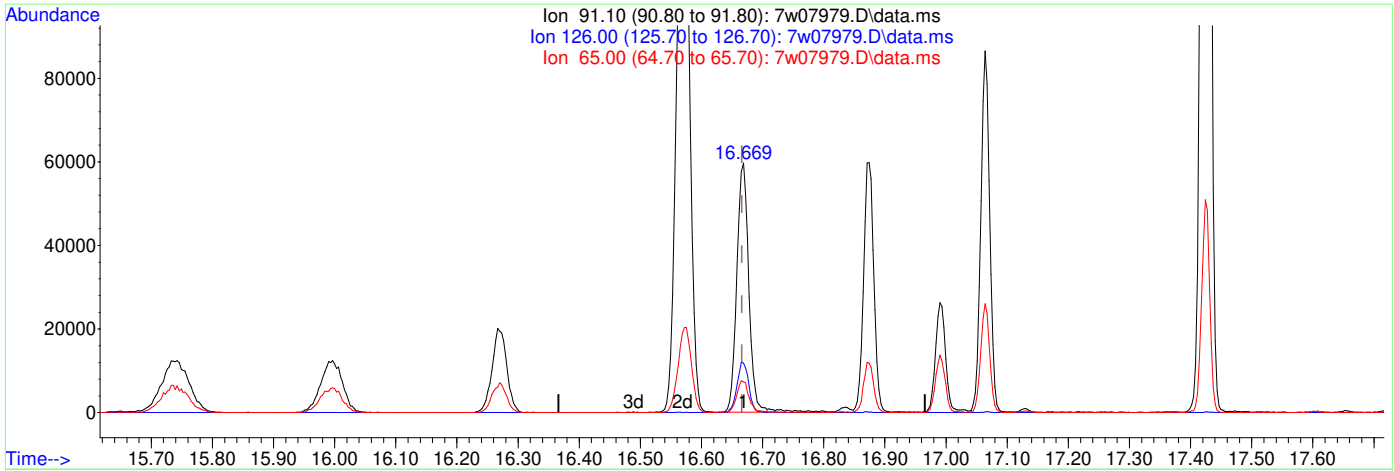
response 81628

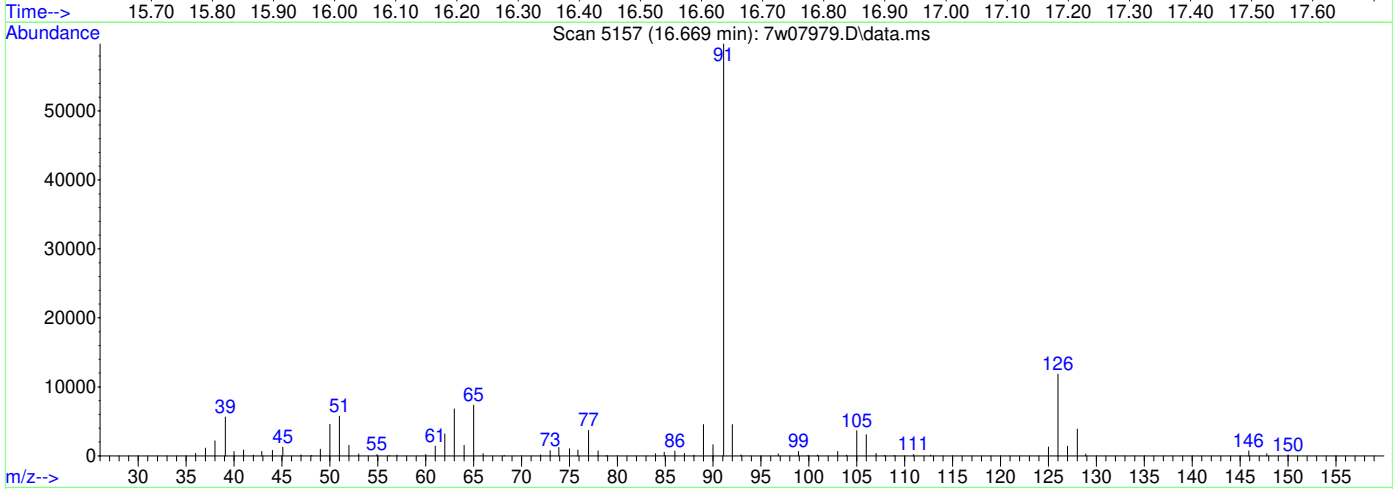
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 19.59 |
| 65.00 | 13.00 | 13.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 20.14 |
| 65.00 | 13.00 | 13.87 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 388370 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 349697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 254020 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 116757 | 11.94 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 56656 | 10.57 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 27361 | 10.93 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 128761 | 10.75 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 335263 | 10.56 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 75194 | 10.04 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 279768 | 10.38 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 296122 | 10.76 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38843 | 9.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 127043 | 9.96 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 107031 | 9.85 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 198675 | 10.27 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 101510 | 10.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 66775 | 10.09 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 261438 | 10.74 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 110740 | 8.07 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 61192 | 10.52 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 262246 | 9.89 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 158704 | 10.72 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 302114 | 10.62 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.213 | 45 | 263534 | 8.69 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 66233 | 6.38 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 137367 | 8.83 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 273231 | 10.68 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 111237 | 9.93 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 326093 | 10.12 | PPBV | | 99 |
| 28) ETHANOL | 1.991 | 45 | 67325 | 6.93 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 102347 | 10.02 | PPBV | | 100 |
| 30) ACRYLONITRILE | 2.274 | 52 | 98220 | 8.85 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 101961 | 8.72 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56199 | 10.18 | PPBV | | 97 |
| 33) FREON 113 | 2.525 | 151 | 175840 | 10.42 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 105154 | 9.70 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 256208 | 9.59 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273836 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.557 | 72 | 53518 | 11.75 | PPBV | | 98 |
| 38) HEXANE | 3.319 | 57 | 216582 | 10.11 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.898 | 86 | 24166 | 11.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 200586 | 10.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 55843 | 11.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 113715 | 11.11 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 61463 | 10.90 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.332 | 61 | 43829 | 10.65 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.316 | 55 | 258959 | 10.92 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 237561 | 11.15 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 244103 | 11.02 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.914 | 97 | 211578 | 10.86 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 214927 | 11.14 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.750 | 62 | 178327 | 11.01 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 336400 | 10.79 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 147216 | 10.89 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 78137 | 11.46 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 154777 | 10.77 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 141313 | 10.87 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 127868 | 10.56 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 310645 | 10.93 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 251956 | 11.60 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 676160 | 10.55 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 83819 | 11.15 | PPBV | # | 96 |
| 62) | HEPTANE | 5.534 | 43 | 238681 | 10.47 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 129938 | 10.97 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 138927 | 9.69 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 192427 | 11.23 | PPBV | | 99 |
| 66) | TOLUENE | 7.264 | 91 | 436862 | 11.04 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 219919 | 11.36 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 146931 | 10.87 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 123244 | 11.28 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.852 | 58 | 202098 | 9.26 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 213857 | 11.04 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 152491 | 10.19 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.798 | 129 | 244347 | 12.50 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 227562 | 11.69 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 342794 | 10.17 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 167229 | 11.49 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 365525 | 11.34 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 596122 | 10.36 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.511 | 91 | 932252 | 26.23 | PPBV | | 98 |
| 81) | O-XYLENE | 12.441 | 91 | 476187 | 11.13 | PPBV | | 95 |
| 82) | STYRENE | 12.228 | 104 | 355912 | 11.49 | PPBV | | 99 |
| 83) | NONANE | 13.566 | 43 | 372829 | 10.90 | PPBV | | 100 |
| 84) | BROMOFORM | 11.318 | 173 | 218043 | 12.08 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 345869 | 11.55 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 269044 | 11.72 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 177926 | 10.94 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.823 | 77 | 331670 | 11.30 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 160785 | 10.94 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 187111 | 11.29 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 683113 | 11.85 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 568889 | 10.83 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 292834 | 10.97 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 135050 | 10.31 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 603037 | 10.60 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 206043m | 8.98 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 381391 | 10.72 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 385546 | 10.57 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 365233 | 10.52 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 172736 | 10.87 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 581741 | 10.62 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 190250 | 10.87 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 192133 | 11.39 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 188986 | 11.90 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 270689 | 11.05 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 362323 | 13.11 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.395 | 128 | 919027 | 12.96 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 685461 | 8.17 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

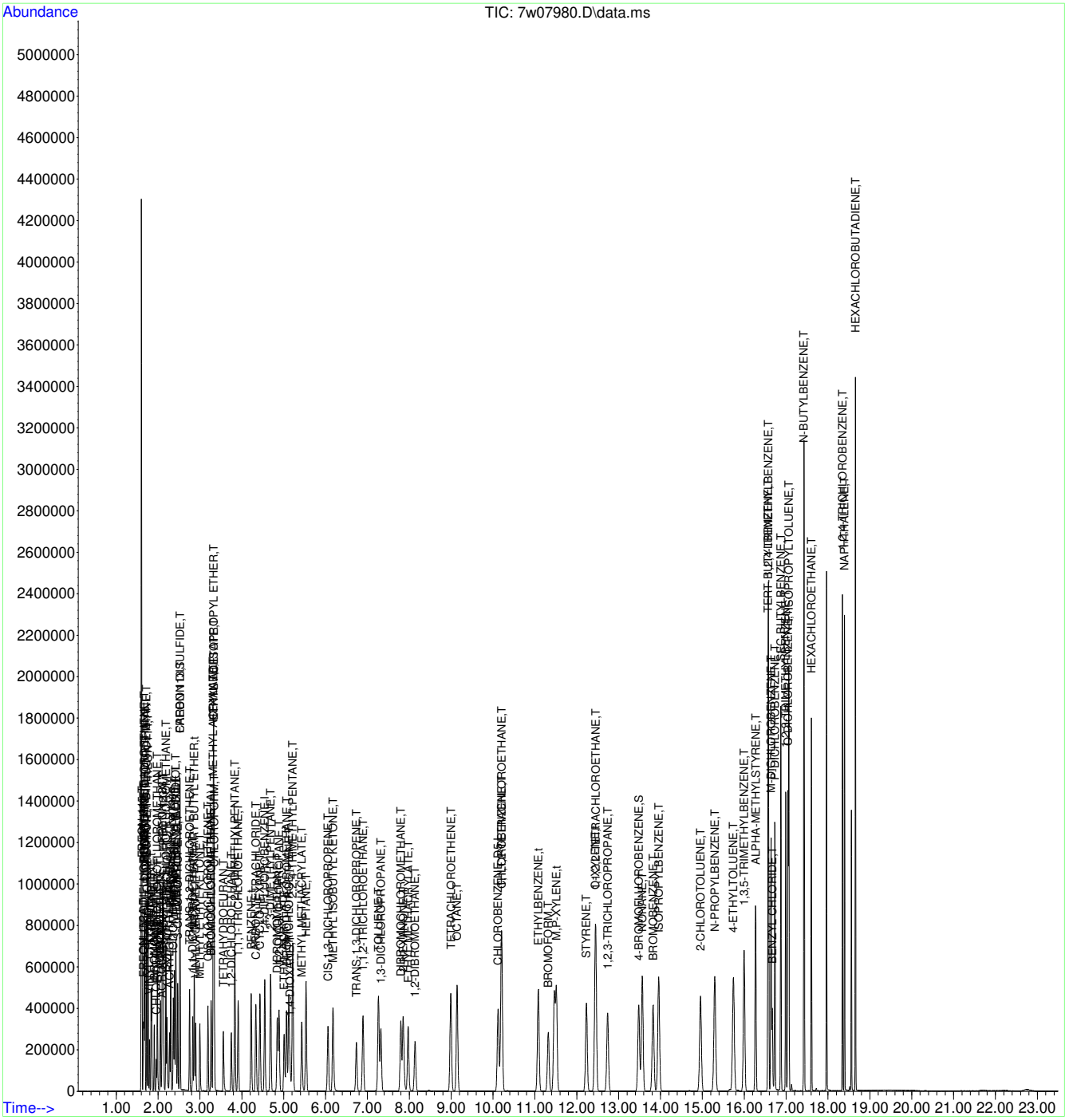
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



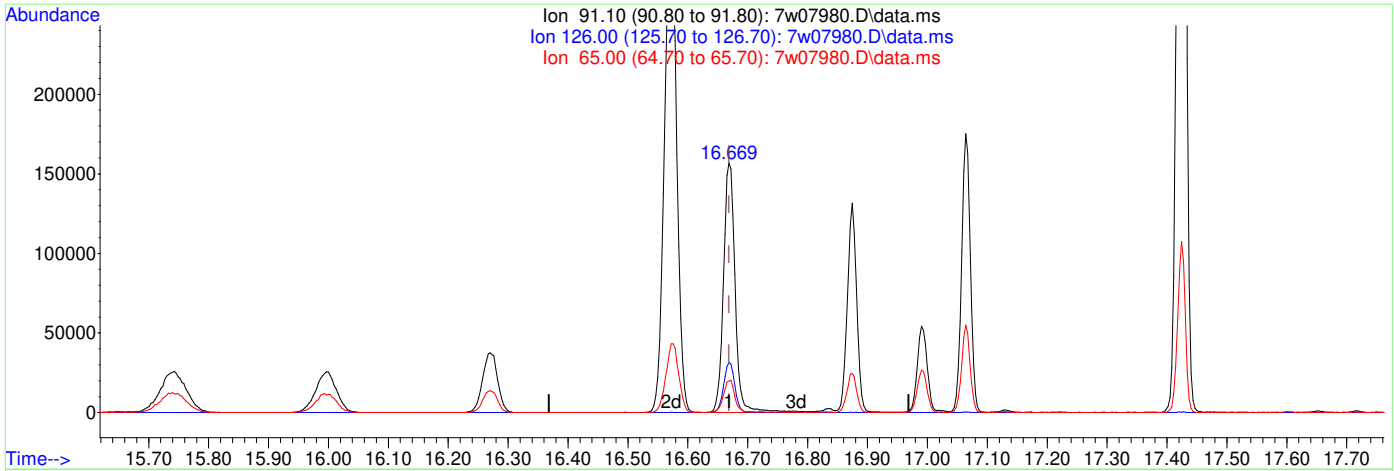
**Sample Number:** V7W305-ICC305 **Method:** TO-15
**Lab FileID:** 7W07980.D **Analyst approved:** 08/19/24 12:13 Kanya Veerawat
**Injection Time:** 08/19/24 00:35 **Supervisor approved:** 08/19/24 12:13 Kanya Veerawat

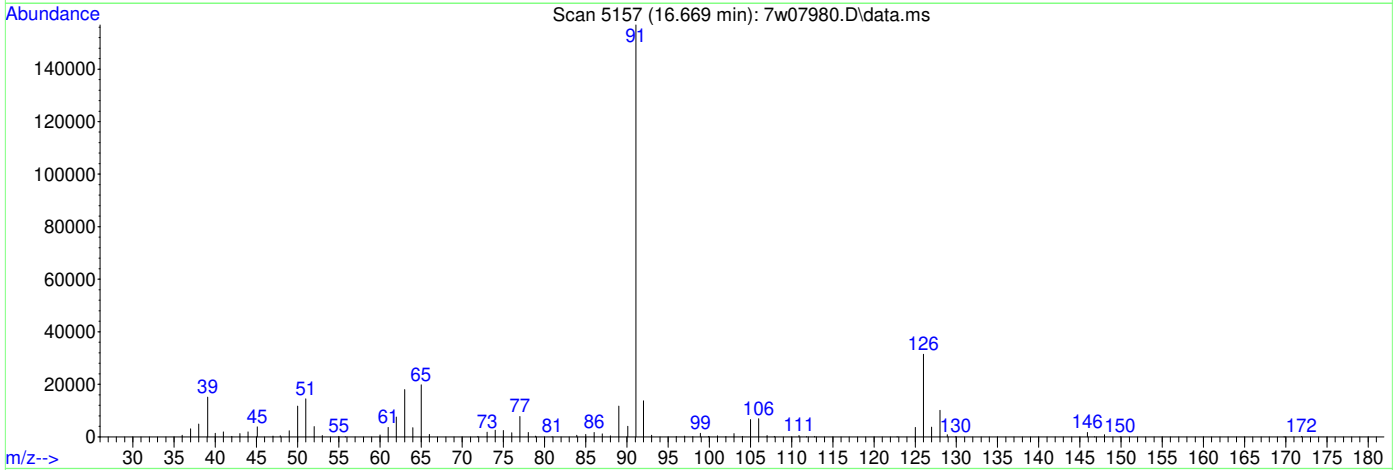
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

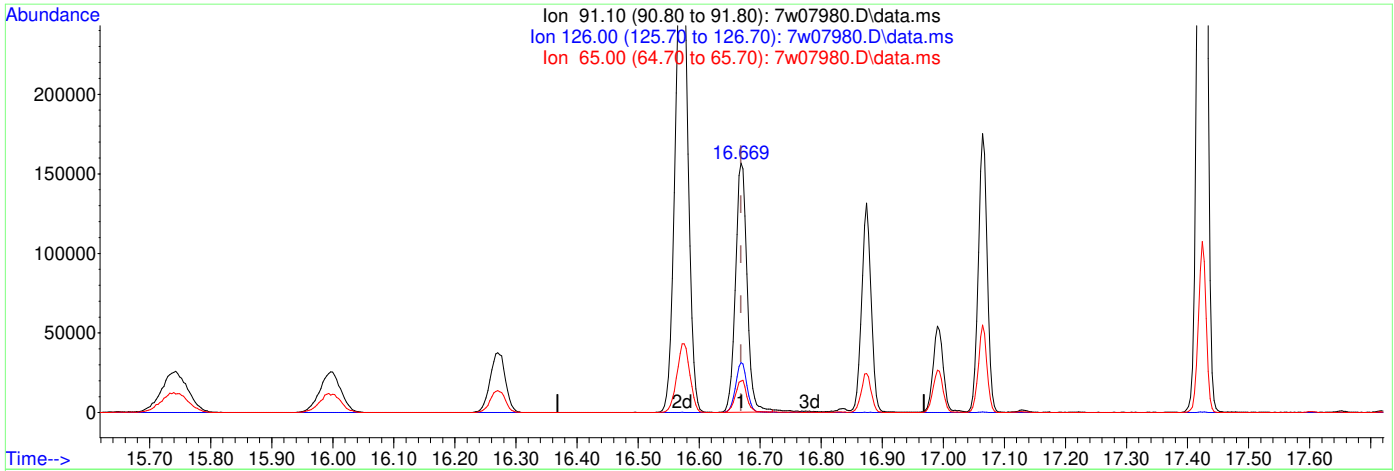
response 209652

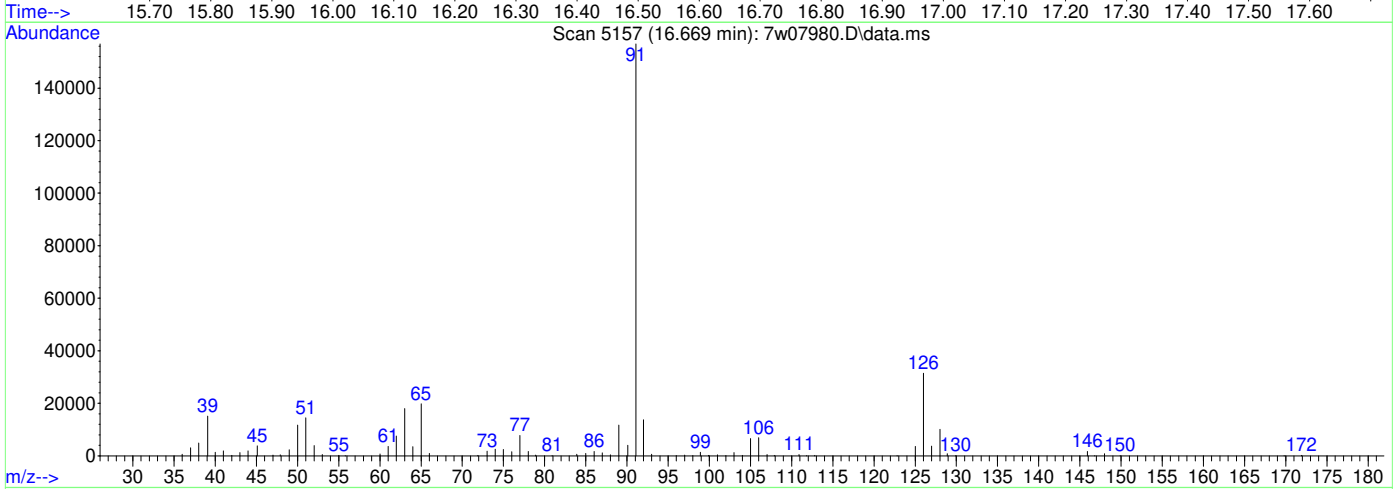
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.52 |
| 65.00 | 13.50 | 13.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.87 |
| 65.00 | 13.50 | 13.30 |
| 0.00 | 0.00 | 0.00 |

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 399337 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 358279 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 266903 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 223150 | 21.59 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 113696 | 20.51 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 54585 | 20.96 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 260366 | 20.90 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 680605 | 20.91 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 152928 | 19.87 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 568833 | 20.81 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 605062 | 21.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 78040 | 18.64 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 255415 | 19.85 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 213526 | 19.54 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 396119 | 20.43 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 203898 | 20.45 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 134751 | 20.22 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 524283 | 21.39 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 223496 | 16.36 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 122465 | 21.34 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 531281 | 19.97 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 323136 | 21.67 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 609713 | 21.19 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.209 | 45 | 505798 | 16.79 | PPBV | | 99 |
| 23) ACETONE | 2.129 | 58 | 132986 | 12.82 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 275517 | 17.87 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 554198 | 21.34 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 224620 | 19.91 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 672044 | 20.83 | PPBV | | 98 |
| 28) ETHANOL | 1.987 | 45 | 128753 | 12.10 | PPBV | | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 208300 | 20.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 196181 | 17.77 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 204874 | 17.29 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 113419 | 20.29 | PPBV | | 94 |
| 33) FREON 113 | 2.524 | 151 | 360148 | 21.14 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 212265 | 18.95 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.412 | 59 | 502012 | 18.93 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 565864 | 21.86 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.553 | 72 | 108661 | 22.89 | PPBV | | 99 |
| 38) HEXANE | 3.319 | 57 | 447138 | 20.24 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 53174 | 25.07 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 406429 | 20.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 113742 | 22.35 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 229111 | 21.47 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 128654 | 22.05 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.328 | 61 | 90518 | 21.25 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 541298 | 22.09 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 481874 | 21.68 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 493893 | 21.63 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 446392 | 22.10 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 457450 | 22.82 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 359999 | 21.41 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 686901 | 21.16 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 301083 | 21.52 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 159069 | 22.48 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 315589 | 21.12 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 281821 | 20.99 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 258319 | 20.58 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 648686 | 22.22 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 520746 | 22.92 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 1363236 | 20.68 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.142 | 88 | 159662 | 20.39 | PPBV | # | 93 |
| 62) | HEPTANE | 5.534 | 43 | 490987 | 20.96 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 269942 | 22.03 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 278412 | 18.84 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 416046 | 23.40 | PPBV | | 98 |
| 66) | TOLUENE | 7.267 | 91 | 894765 | 21.73 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 454192 | 22.55 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 339286 | 24.33 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 252481 | 22.25 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 409335 | 18.16 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 456862 | 22.78 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 312906 | 20.27 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 522506 | 25.25 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 469334 | 23.12 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 701989 | 20.21 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.215 | 131 | 358362 | 23.86 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 755223 | 22.52 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.087 | 91 | 1235495 | 20.71 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.514 | 91 | 1915233 | 51.64 | PPBV | | 98 |
| 81) | O-XYLENE | 12.447 | 91 | 990163 | 22.27 | PPBV | | 97 |
| 82) | STYRENE | 12.235 | 104 | 744264 | 23.04 | PPBV | | 100 |
| 83) | NONANE | 13.569 | 43 | 767362 | 21.75 | PPBV | | 100 |
| 84) | BROMOFORM | 11.322 | 173 | 476337 | 25.55 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.460 | 83 | 719296 | 23.01 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 552619 | 23.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.961 | 120 | 370195 | 21.85 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.829 | 77 | 689619 | 22.52 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.961 | 126 | 332076 | 21.66 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 388667 | 22.47 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 1411045 | 23.43 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 1186430 | 21.61 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 616609 | 22.44 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 285876 | 21.66 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.582 | 105 | 1283114 | 22.29 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.672 | 91 | 586437m | 33.00 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 806410 | 22.21 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 813706 | 21.78 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.048 | 146 | 781278 | 21.49 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 363104 | 21.90 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 1240077 | 21.66 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 399174 | 21.83 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 407447 | 22.96 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 446077 | 27.20 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 601439 | 23.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 799662 | 26.27 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 2024654 | 23.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 1370798 | 16.29 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

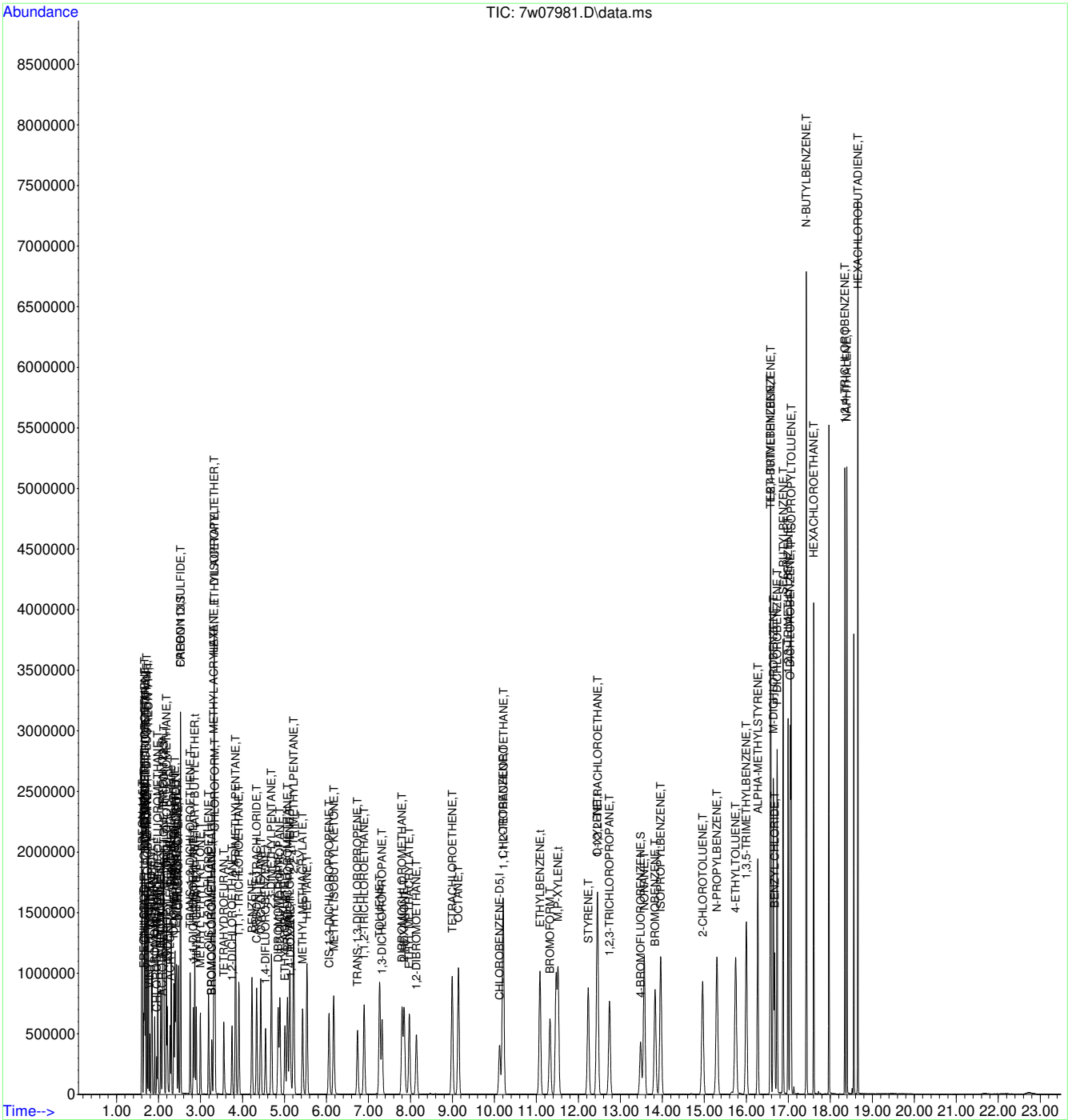
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



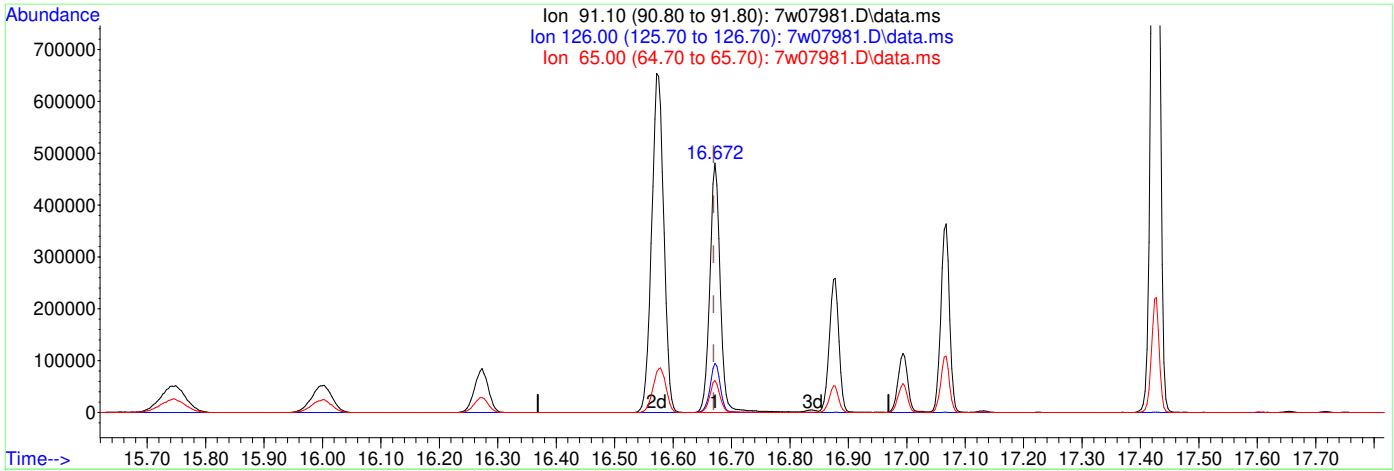
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07981.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 01:10 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

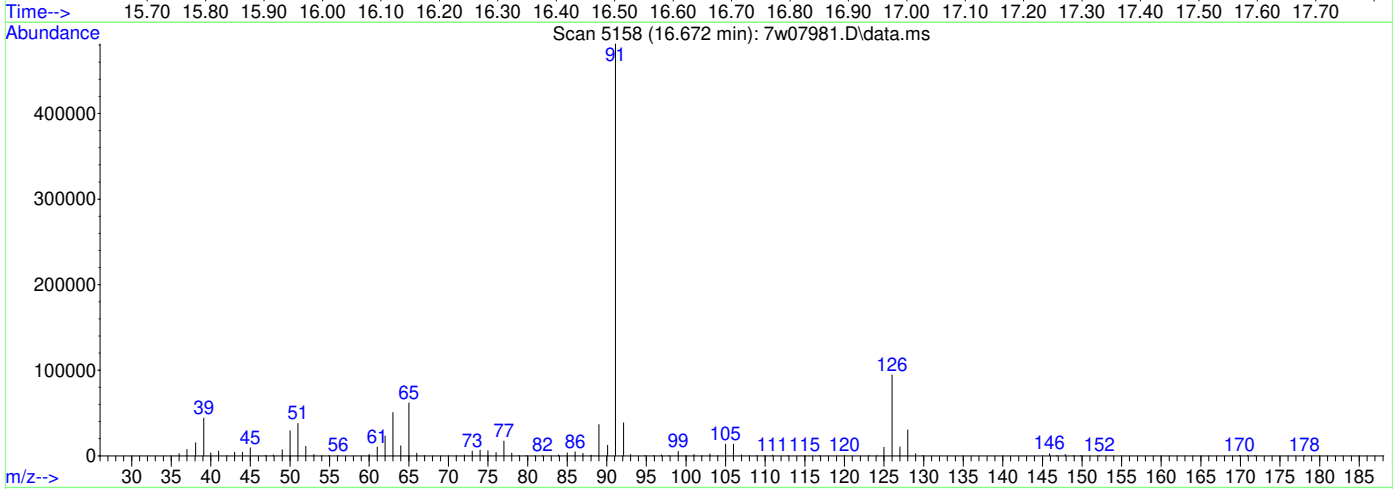
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

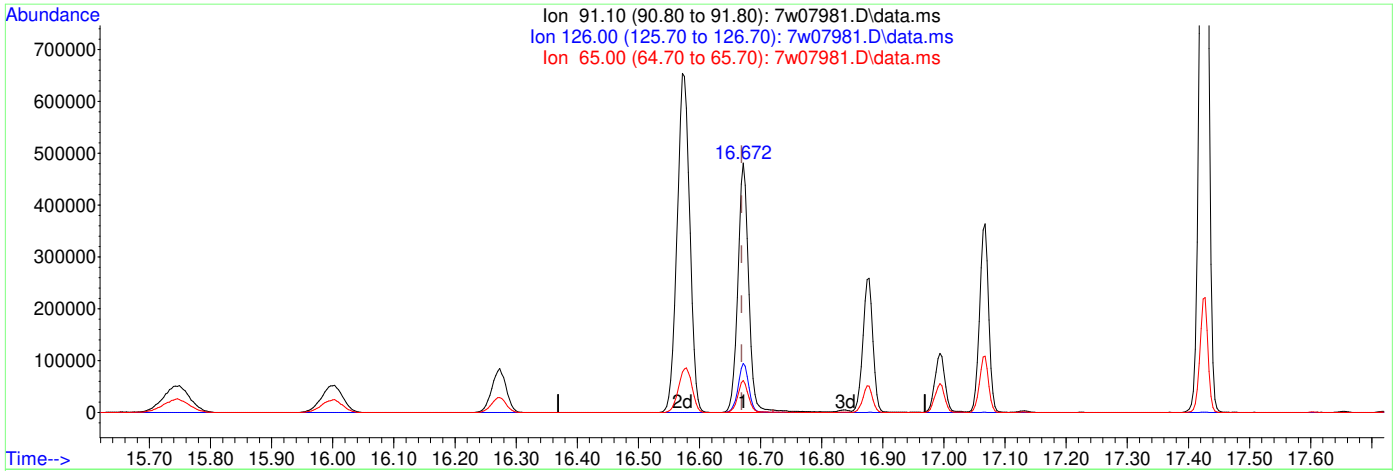
response 598744

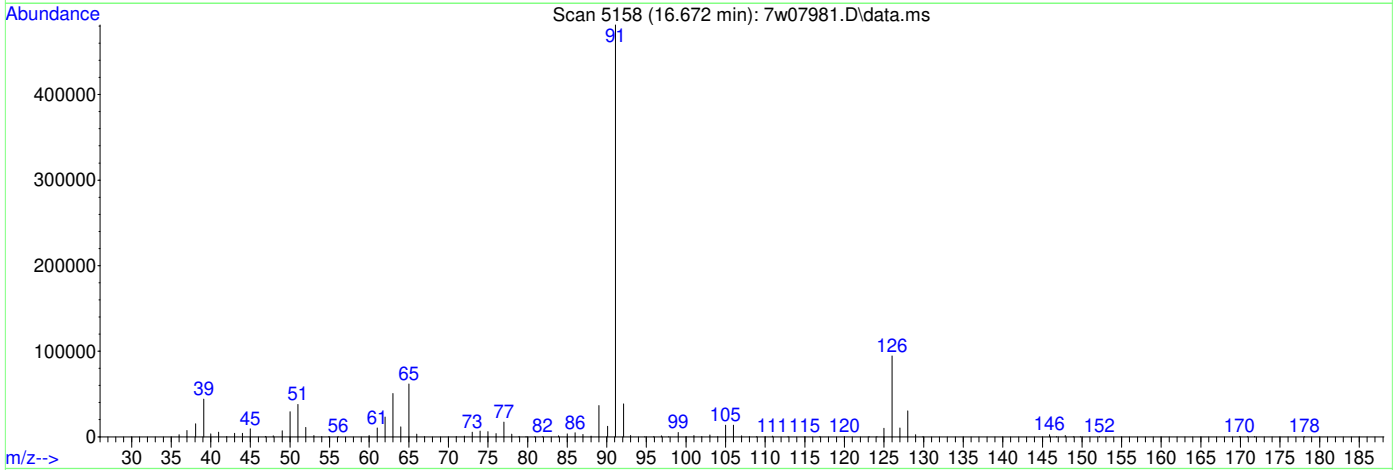
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.41 |
| 65.00 | 13.50 | 12.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.82 |
| 65.00 | 13.50 | 13.18 |
| 0.00 | 0.00 | 0.00 |



7W07981.D edits: BENZYL CHLORIDE

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 77284 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 380992 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.129 | 117 | 341287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 77286 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 254399 | 10.16 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 479498 | 49.08 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 225277 | 41.32 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 107855 | 41.41 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 531168 | 42.36 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 1365507 | 42.82 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 307501 | 41.15 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1126152 | 42.58 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1216958 | 44.90 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 155210 | 39.41 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 503905 | 41.23 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 423360 | 41.02 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 784812 | 43.23 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 405186 | 41.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 265590 | 41.21 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1054144 | 44.46 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 444566 | 35.18 | PPBV | | 100 |
| 18) ACROLEIN | 2.091 | 56 | 244650 | 46.58 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 1072484 | 42.46 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 648266 | 45.20 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1217843 | 43.41 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 986924 | 35.57 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 267712 | 27.52 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 541283 | 39.96 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 1107350 | 45.77 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 444048 | 42.54 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1380820 | 45.82 | PPBV | | 97 |
| 28) ETHANOL | 1.988 | 45 | 246600 | 22.56 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 411694 | 41.15 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 386593 | 39.48 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 403498 | 36.21 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 229000 | 43.65 | PPBV | | 92 |
| 33) FREON 113 | 2.525 | 151 | 717158 | 44.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 418606 | 39.92 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 988301 | 41.72 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1162668 | 45.46 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 216092 | 45.61 | PPBV | | 99 |
| 38) HEXANE | 3.322 | 57 | 909825 | 43.13 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 112738 | 52.89 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 811814 | 42.39 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 229599 | 45.08 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 461447 | 43.14 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 260000 | 46.49 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.332 | 61 | 186268 | 45.35 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1119785 | 47.57 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.345 | 83 | 964123 | 43.74 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1011033 | 45.64 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 934248 | 46.56 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 968917 | 48.27 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 733596 | 44.30 | PPBV | | 100 |
| 51) | BENZENE | 4.226 | 78 | 1385476 | 42.73 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 603407 | 44.01 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 320742 | 46.54 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 641066 | 43.93 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 574606 | 44.69 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 521107 | 42.96 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1339537 | 48.52 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1065741 | 47.59 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 2752474 | 44.22 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 316234 | 41.72 | PPBV | # | 91 |
| 62) | HEPTANE | 5.537 | 43 | 994256 | 45.09 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 556132 | 46.84 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 558762 | 39.99 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 875361 | 50.16 | PPBV | | 98 |
| 66) | TOLUENE | 7.270 | 91 | 1807715 | 45.02 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 913247 | 46.29 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 743619 | 53.83 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 505262 | 45.59 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 793923 | 38.66 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.975 | 69 | 944521 | 49.01 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 632328 | 43.26 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1085341 | 51.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 957340 | 48.14 | PPBV | | 99 |
| 75) | OCTANE | 9.148 | 43 | 1415805 | 43.08 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 747842 | 50.62 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.206 | 112 | 1519252 | 45.56 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 2480888 | 44.56 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.524 | 91 | 3827571 | 90.65 | PPBV | | 98 |
| 81) | O-XYLENE | 12.453 | 91 | 1995478 | 46.04 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1510779 | 47.29 | PPBV | | 100 |
| 83) | NONANE | 13.576 | 43 | 1529296 | 45.44 | PPBV | | 99 |
| 84) | BROMOFORM | 11.328 | 173 | 1015782 | 55.05 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.466 | 83 | 1454357 | 47.64 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.746 | 75 | 1111565 | 47.22 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.968 | 120 | 745304 | 45.82 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.833 | 77 | 1398331 | 46.31 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.965 | 126 | 671558 | 44.16 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 787486 | 46.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.752 | 105 | 2903289 | 49.04 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.006 | 105 | 2452735 | 46.90 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.276 | 118 | 1287592 | 49.03 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 595730 | 48.09 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.588 | 105 | 2687686 | 49.67 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.675 | 91 | 1577661 | 77.14 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 1650345 | 48.34 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 1699131 | 47.87 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 1624812 | 47.84 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 741809 | 48.93 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.997 | 105 | 2571874 | 48.72 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 821843 | 48.57 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 861362 | 51.77 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1016583 | 64.36 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 1336000 | 52.86 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1756356 | 53.82 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 4403551 | 50.52 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 2678485 | 35.13 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

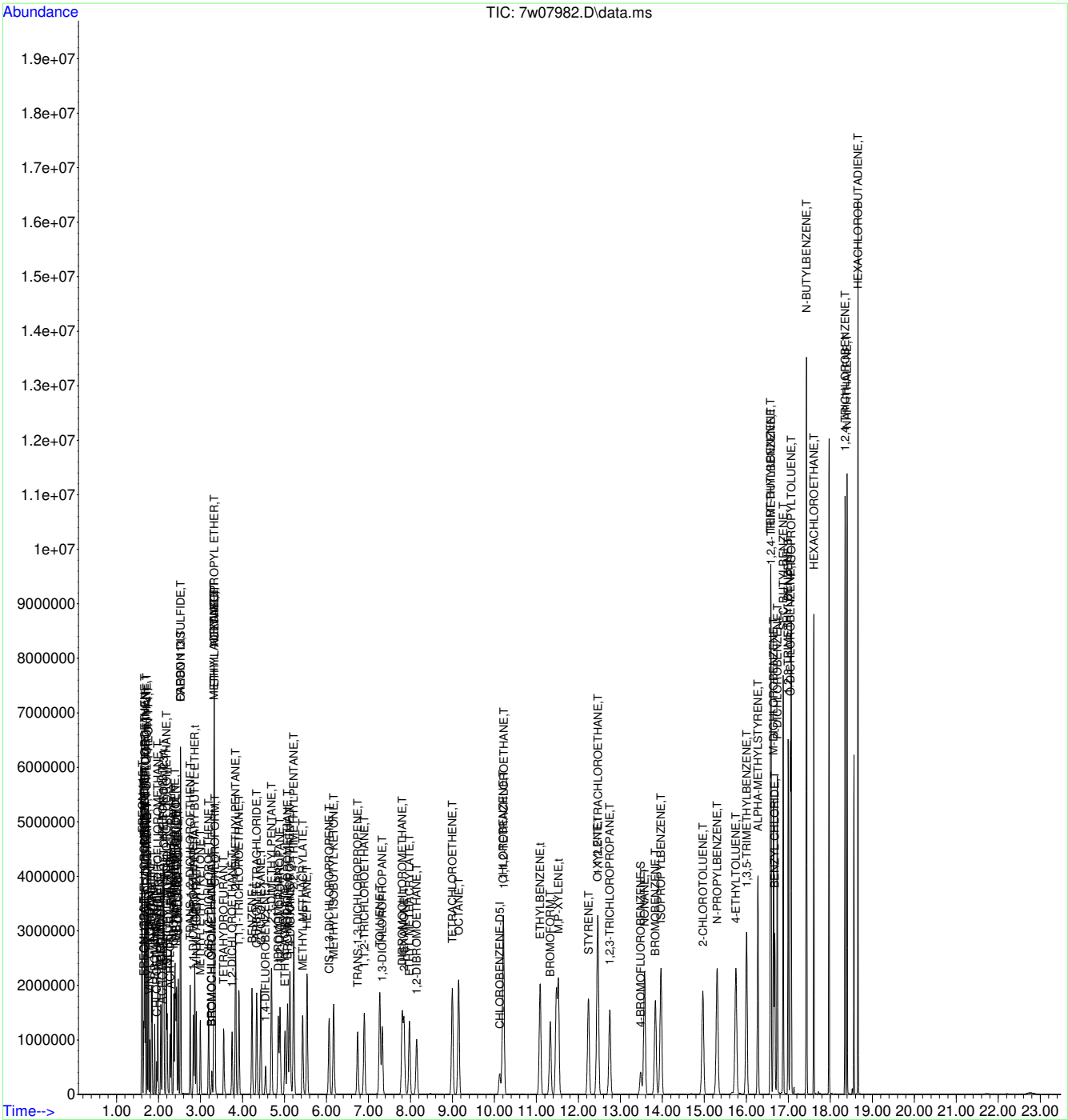
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.270 | 128 | 78494 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 389657 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.126 | 117 | 345790 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.270 | 128 | 78466 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262126 | 10.33 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 245619 | 24.76 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 291677 | 52.67 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 141627 | 53.53 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 690638 | 54.22 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 1753161 | 54.12 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 405362 | 53.41 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1432344 | 53.33 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1558278 | 56.61 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 195627 | 48.91 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 635465 | 51.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 540324 | 51.55 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 998179 | 54.13 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 514200 | 51.79 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 333396 | 50.94 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1339188 | 55.61 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 560405 | 43.66 | PPBV | | 100 |
| 18) ACROLEIN | 2.090 | 56 | 312569 | 58.59 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 1374797 | 53.58 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 825932 | 56.70 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1536852 | 53.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 1276024 | 45.28 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 337983 | 34.21 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 687480 | 49.97 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 1405240 | 57.19 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 566307 | 53.41 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1762887 | 57.59 | PPBV | | 96 |
| 28) ETHANOL | 1.988 | 45 | 321155 | 35.32 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 524513 | 51.62 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 490384 | 49.31 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 515055 | 45.51 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 294143 | 55.20 | PPBV | | 90 |
| 33) FREON 113 | 2.525 | 151 | 913434 | 55.78 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 535169 | 50.25 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 1298839 | 53.98 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1507766 | 58.04 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 274817 | 57.11 | PPBV | | 98 |
| 38) HEXANE | 3.322 | 57 | 1158103 | 54.06 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 146094 | 67.49 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 1030008 | 52.95 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 294713 | 56.98 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 589563 | 54.27 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 332704 | 58.58 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.332 | 61 | 237324 | 56.89 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1426991 | 59.69 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 1214394 | 54.25 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1280289 | 56.90 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 1200423 | 58.91 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 1255040 | 61.56 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 933342 | 55.50 | PPBV | | 100 |
| 51) | BENZENE | 4.229 | 78 | 1758391 | 53.39 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 764340 | 54.51 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 410142 | 58.19 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 820753 | 55.00 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 728144 | 55.37 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 664737 | 53.59 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1729659 | 61.26 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1366362 | 59.66 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 3472389 | 54.54 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.135 | 88 | 411014 | 53.01 | PPBV | # | 91 |
| 62) | HEPTANE | 5.540 | 43 | 1257625 | 55.77 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 710742 | 58.53 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 700033 | 48.98 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 1127356 | 63.16 | PPBV | | 97 |
| 66) | TOLUENE | 7.270 | 91 | 2289185 | 55.74 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.331 | 76 | 1142857 | 56.64 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 969360 | 68.61 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 643667 | 56.79 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.849 | 58 | 988014 | 47.05 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.978 | 69 | 1193687 | 60.56 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 9.000 | 164 | 805208 | 53.86 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1392250 | 64.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.151 | 107 | 1218207 | 59.90 | PPBV | | 99 |
| 75) | OCTANE | 9.151 | 43 | 1775513 | 52.82 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 958162 | 64.01 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.209 | 112 | 1916033 | 56.71 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 3150833 | 55.86 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.524 | 91 | 4833704 | 112.99 | PPBV | | 98 |
| 81) | O-XYLENE | 12.457 | 91 | 2534915 | 57.72 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1921279 | 59.36 | PPBV | | 99 |
| 83) | NONANE | 13.579 | 43 | 1935888 | 56.77 | PPBV | | 99 |
| 84) | BROMOFORM | 11.331 | 173 | 1314897 | 70.33 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.473 | 83 | 1856029 | 60.00 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.752 | 75 | 1408047 | 59.04 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.971 | 120 | 945561 | 57.37 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.836 | 77 | 1768536 | 57.81 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.968 | 126 | 853495 | 55.39 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 1005505 | 58.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.756 | 105 | 3707934 | 61.82 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.010 | 105 | 3135087 | 59.17 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.280 | 118 | 1653911 | 62.16 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 766074 | 61.04 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.591 | 105 | 3471175 | 63.31 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.678 | 91 | 2221433 | 107.20 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 2136121 | 61.75 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 2201660 | 61.23 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 2121120 | 61.64 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.881 | 134 | 961231 | 62.57 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 17.000 | 105 | 3311109 | 61.90 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.071 | 134 | 1069730 | 62.40 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 1119830 | 66.42 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1352760 | 84.53 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 1795989 | 70.14 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.353 | 180 | 2392266 | 72.35 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.402 | 128 | 6097099 | 69.04 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 3373992 | 43.59 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

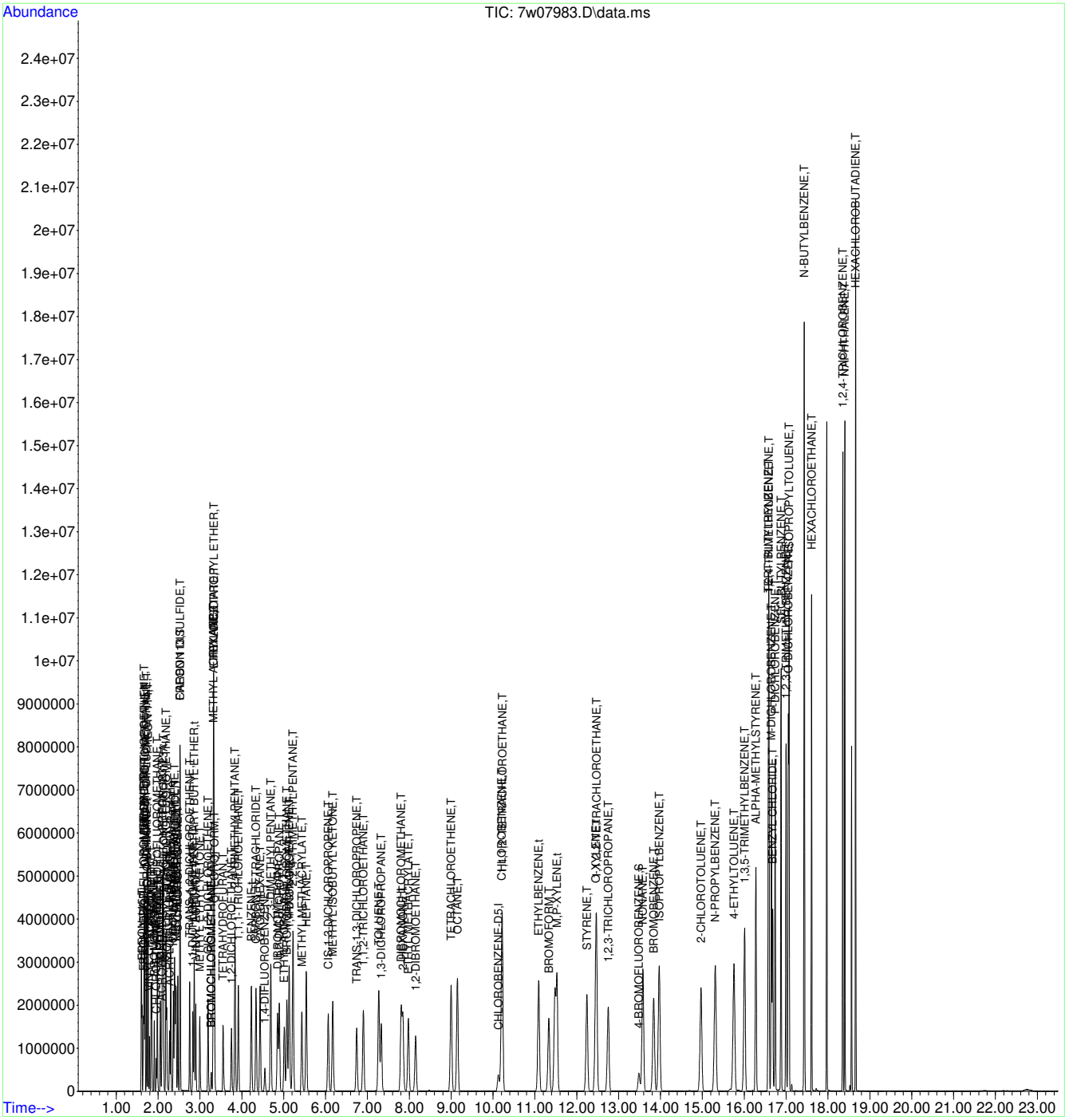
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 379483 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 340309 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 247947 | 9.93 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.614 | 119 | 109240 | 11.17 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 53753 | 10.19 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 25133 | 9.88 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 122894 | 9.94 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 332419 | 10.88 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 70144 | 9.60 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 281408 | 11.00 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 300241 | 11.55 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38535 | 9.73 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 125485 | 10.31 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 103362 | 10.44 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 192783 | 10.67 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 101749 | 10.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 65638 | 10.53 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 265986 | 11.16 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 112948 | 9.54 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 60791 | 10.23 | PPBV | | 98 |
| 19) FREON 123 | 2.103 | 83 | 252173 | 10.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 145517 | 10.48 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 303115 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.212 | 45 | 271631 | 10.52 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 65635 | 9.33 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 132878 | 10.13 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 277095 | 11.72 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 113020 | 11.08 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 349631 | 11.76 | PPBV | | 100 |
| 28) ETHANOL | 1.991 | 45 | 58992 | 8.36 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 103369 | 11.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 96396 | 10.07 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 104108 | 9.92 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56363 | 10.49 | PPBV | | 93 |
| 33) FREON 113 | 2.524 | 151 | 183367 | 11.42 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 107278 | 10.78 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 294471 | 11.88 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273981 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.556 | 72 | 51249 | 10.76 | PPBV | | 97 |
| 38) HEXANE | 3.319 | 57 | 196473 | 9.44 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 25222 | 11.09 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 191878 | 10.35 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 52375 | 10.33 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 109602 | 10.39 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 57566 | 10.63 | PPBV | | 93 |
| 44) ETHYL ACETATE | 3.328 | 61 | 39996 | 10.06 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 245056 | 10.75 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 229319 | 10.75 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 225377 | 10.13 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 204733 | 10.54 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 200635 | 10.52 | PPBV | | 99 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 169201 | 10.46 | PPBV | | 99 |
| 51) | BENZENE | 4.222 | 78 | 316278 | 10.07 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 138874 | 10.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 73542 | 10.71 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 147930 | 10.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 132436 | 10.24 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 125660 | 10.30 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 296975 | 10.70 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 239481 | 10.74 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 618959 | 10.08 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 78243 | 9.84 | PPBV | # | 98 |
| 62) | HEPTANE | 5.534 | 43 | 215703 | 10.00 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 124844 | 10.75 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 128395 | 9.67 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 172676 | 10.42 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 409854 | 10.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 206984 | 10.43 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 141799 | 10.43 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 119463 | 10.82 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.852 | 58 | 184918 | 9.13 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 210624 | 10.97 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 146582 | 10.16 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 231313 | 10.94 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 217379 | 11.18 | PPBV | | 99 |
| 75) | OCTANE | 9.141 | 43 | 307968 | 9.49 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 157549 | 10.79 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 345685 | 10.49 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 562286 | 10.41 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.511 | 91 | 869508 | 20.39 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 442080 | 10.32 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 333475 | 10.76 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 334870 | 9.89 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 199478 | 10.77 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 324727 | 10.77 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 250625 | 10.29 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 169216 | 10.43 | PPBV | | 100 |
| 89) | BROMOBENZENE | 13.820 | 77 | 313692 | 10.22 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 154799 | 10.41 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 176747 | 10.58 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.742 | 105 | 631445 | 10.68 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 529517 | 10.64 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 285116 | 10.78 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 128929 | 10.83 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 562226 | 10.81 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.668 | 91 | 224329 | 14.83 | PPBV | | 100 |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 357907 | 10.31 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 364848 | 10.60 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 347951 | 10.47 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 164754 | 11.00 | PPBV | | 96 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 547996 | 10.41 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 181395 | 10.85 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 180029 | 10.85 | PPBV | | 97 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 174155 | 10.82 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 264758 | 10.60 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 344052 | 10.34 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 945806 | 10.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 662374 | 10.01 | PPBV | | 100 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

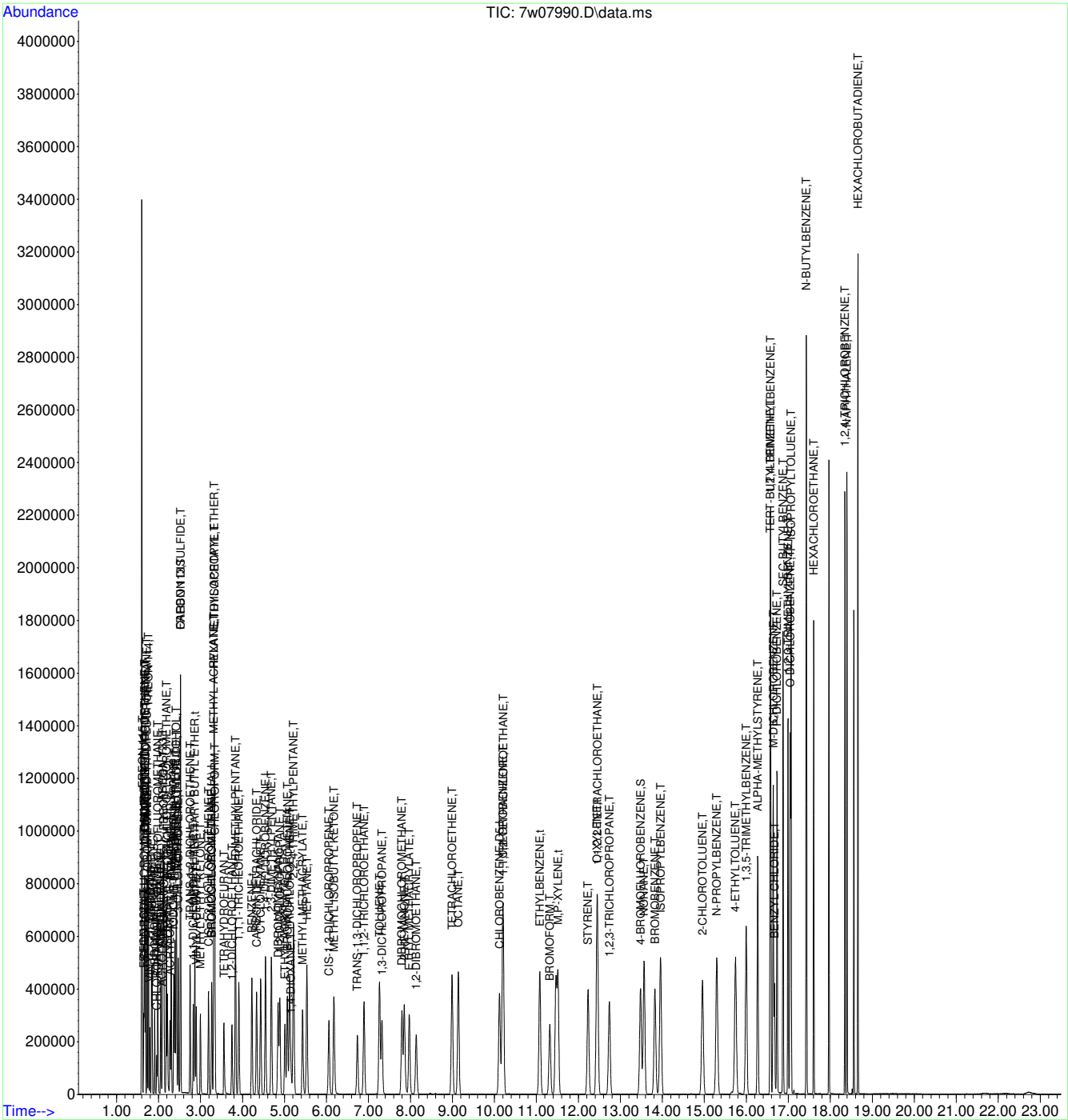
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/07/24 12:01

# Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 56421 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 285763 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.125 | 117 | 259568 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 56423 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 184899 | 9.71 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 100124 | 13.8372 | PPBV | 93 |
| 3) FREON 152A | 1.650 | 65 | 55712 | 14.2628 | PPBV | 89 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21862 | 11.6061 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112044 | 12.2385 | PPBV | 74 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 235291 | 10.3999 | PPBV | 98 |
| 7) PROPYLENE | 1.672 | 41 | 73837 | 13.6590 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 169739 | 8.9608 | PPBV | 96 |
| 9) FREON 114 | 1.766 | 85 | 198329 | 10.3053 | PPBV | 99 |
| 10) CHLOROMETHANE | 1.733 | 52 | 29097 | 9.9294 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 96918 | 10.7570 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 82434 | 11.2538 | PPBV | 90 |
| 13) N-BUTANE | 1.852 | 43 | 149935 | 11.2084 | PPBV | 100 |
| 14) BROMOMETHANE | 1.913 | 94 | 69567 | 9.6559 | PPBV | 100 |
| 15) CHLOROETHANE | 1.962 | 64 | 50753 | 10.9989 | PPBV | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.987 | 67 | 181883 | 10.3135 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 91219 | 10.4140 | PPBV | 97 |
| 18) ACROLEIN | 2.097 | 56 | 46963 | 10.6793 | PPBV | 99 |
| 19) FREON 123 | 2.110 | 83 | 182053 | 10.1591 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 105234 | 10.2373 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 192167 | 9.4717 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 197183 | 10.3184 | PPBV | 97 |
| 23) ACETONE | 2.139 | 58 | 53576 | 10.2875 | PPBV | 77 |
| 24) PENTANE | 2.309 | 42 | 111572 | 11.4939 | PPBV | 92 |
| 25) IODOMETHANE | 2.370 | 142 | 173683 | 9.9243 | PPBV | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 74076 | 9.8118 | PPBV | 96 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 206166m | 9.3704 | PPBV | |
| 28) ETHANOL | 1.997 | 45 | 52931 | 10.1372 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 69659 | 10.1100 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 75288 | 10.6290 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.434 | 84 | 67928 | 8.7421 | PPBV | 97 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 36609 | 9.2074 | PPBV | 91 |
| 33) FREON 113 | 2.531 | 151 | 106682 | 8.9789 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 80950 | 10.9941 | PPBV | 91 |
| 35) TERTIARY BUTYL ALCOHOL | 2.421 | 59 | 169118 | 9.2197 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 222061 | 12.0039 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.560 | 72 | 43478 | 12.3343 | PPBV | 98 |
| 38) HEXANE | 3.325 | 57 | 181268 | 11.7716 | PPBV | 91 |
| 39) VINYL ACETATE | 2.907 | 86 | 19409 | 11.5253 | PPBV | 94 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 175702 | 12.8058 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.003 | 72 | 46518 | 12.3966 | PPBV | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.196 | 96 | 89135 | 11.4149 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 3.331 | 59 | 50302 | 12.5540 | PPBV | 93 |
| 44) ETHYL ACETATE | 3.335 | 61 | 36630 | 12.4472 | PPBV | 83 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 211461 | 12.5371 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 171932 | 10.8870 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.839 | 57 | 210425 | 12.7746 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 163338 | 11.3619 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 167982 | 11.9040 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 132041 | 11.0243 | PPBV | | 100 |
| 51) | BENZENE | 4.228 | 78 | 272344 | 11.7181 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.437 | 84 | 117361 | 11.6279 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 64248 | 12.4302 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 115814 | 10.5818 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 119882 | 12.3128 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.855 | 174 | 95087 | 10.3535 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 257531 | 12.3212 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 188291 | 11.2107 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 571538 | 12.3561 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 66009 | 11.0198 | PPBV | # | 93 |
| 62) | HEPTANE | 5.540 | 43 | 198975 | 12.2536 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 104851 | 11.9943 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 111716 | 11.1759 | PPBV | | 92 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 156193 | 12.5177 | PPBV | | 89 |
| 66) | TOLUENE | 7.267 | 91 | 325223 | 10.6965 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 165758 | 11.0964 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 126984 | 12.4063 | PPBV | | 88 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 96409 | 11.5979 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.846 | 58 | 158240 | 10.3722 | PPBV | | 90 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 172215 | 11.9128 | PPBV | | 97 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 117207 | 10.7888 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 179418 | 11.2670 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 169616 | 11.5826 | PPBV | | 99 |
| 75) | OCTANE | 9.145 | 43 | 274605 | 11.2423 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 129031 | 11.5907 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 255851 | 10.1826 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 429749 | 10.4340 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.508 | 91 | 654633 | 20.1217 | PPBV | | 98 |
| 81) | O-XYLENE | 12.444 | 91 | 333446 | 10.2086 | PPBV | | 99 |
| 82) | STYRENE | 12.228 | 104 | 257714 | 10.9050 | PPBV | | 98 |
| 83) | NONANE | 13.566 | 43 | 282705 | 10.9440 | PPBV | | 96 |
| 84) | BROMOFORM | 11.321 | 173 | 161588 | 11.4399 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 248104 | 10.7840 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 191108 | 10.2861 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.952 | 120 | 123374 | 9.9721 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.826 | 77 | 233399 | 9.9720 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 110228 | 9.7186 | PPBV | | 98 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 130000 | 10.2046 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 475625 | 10.5451 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 389078 | 10.2523 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 198231 | 9.8303 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 91930 | 10.1265 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 400865 | 10.1079 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 222140 | 19.2486 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 259519 | 9.8055 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 264118 | 10.0614 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 248200 | 9.7924 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 115912 | 10.1449 | PPBV | | 97 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 383715 | 9.5567 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 126171 | 9.8962 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 126042 | 9.9596 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 145616 | 11.8562 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 197307 | 10.3609 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 247373 | 9.7497 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.395 | 128 | 572303 | 8.6335 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.309 | TIC | 512844 | 10.4722 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

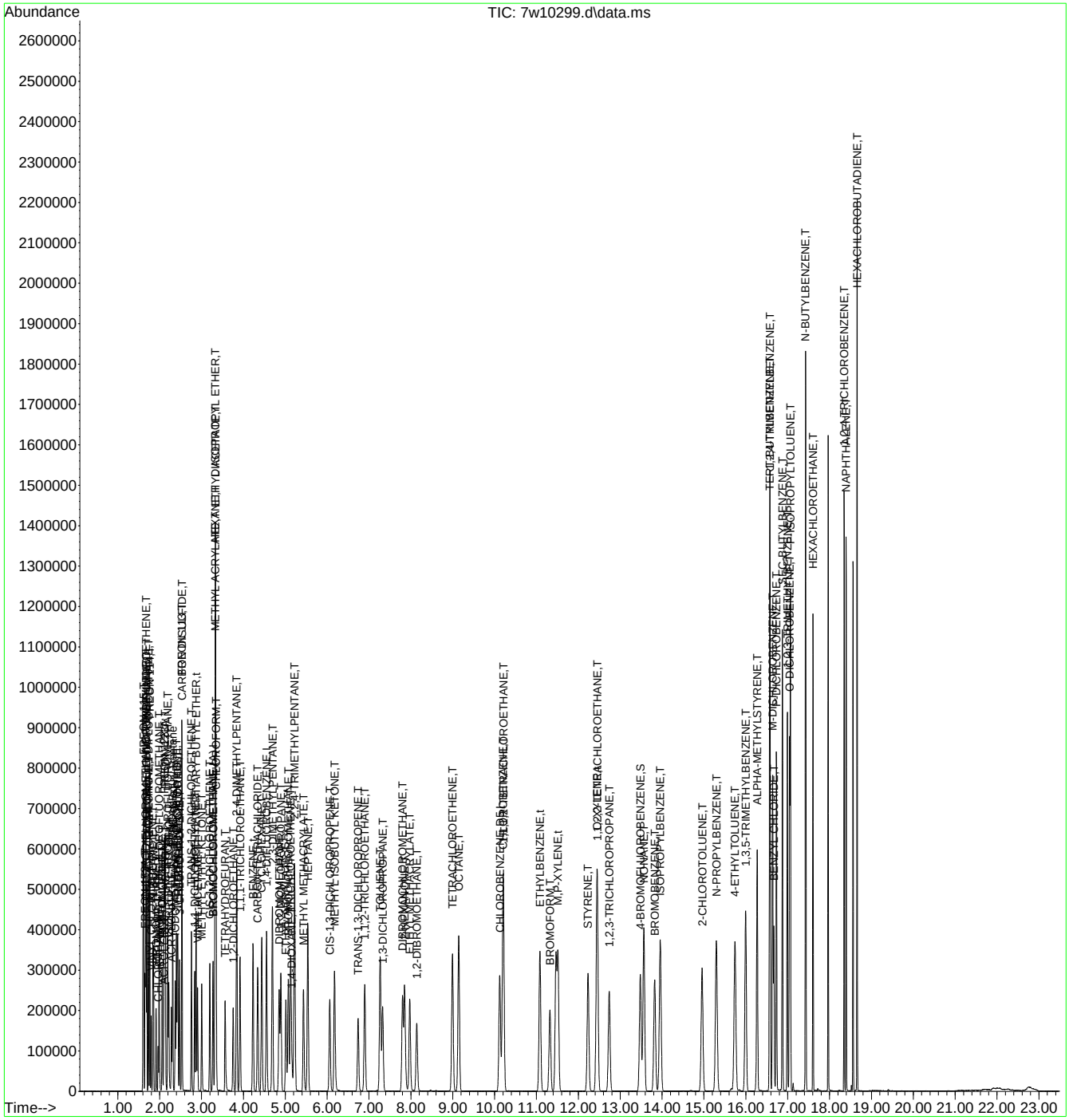
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



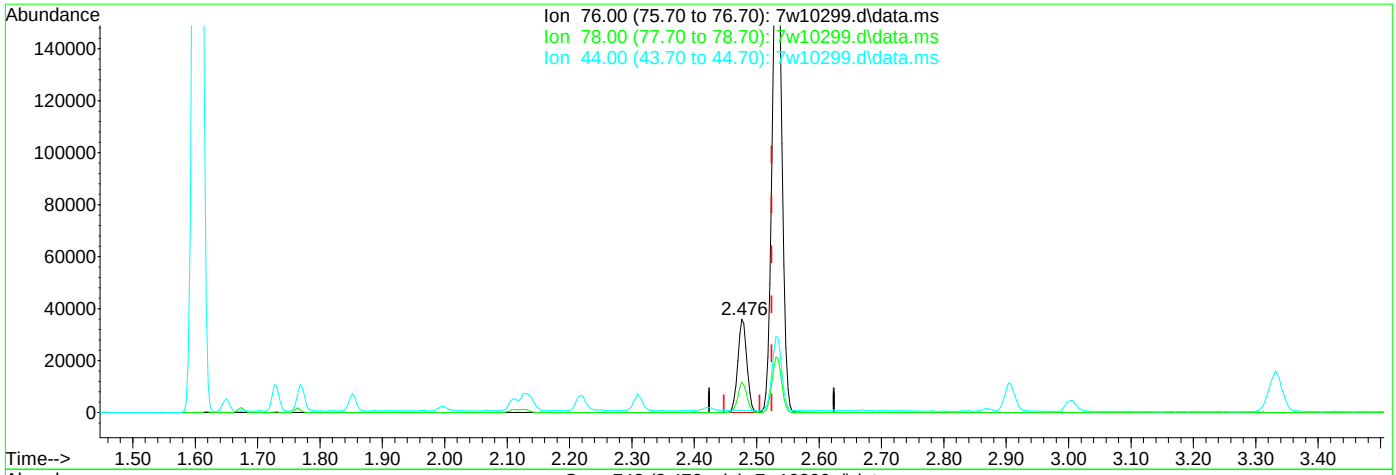
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W379-CC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W10299.D | **Analyst approved:** | 11/06/24 23:40 Lucky Carandang |
| **Injection Time:** | 11/06/24 09:06 | **Supervisor approved:** | 11/07/24 12:01 Kanya Veerawat |

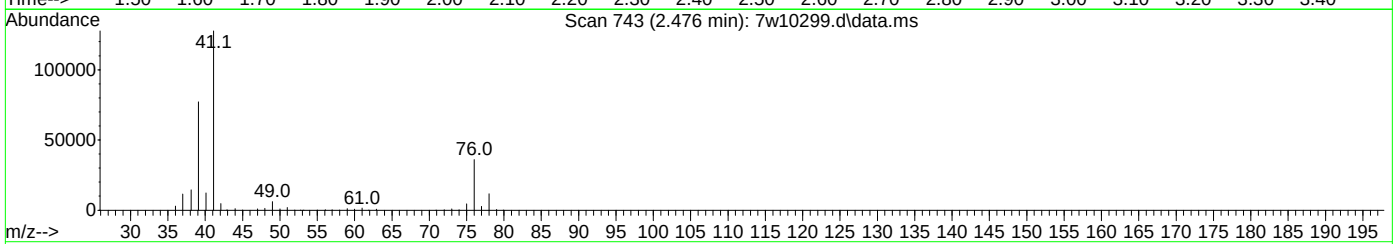
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

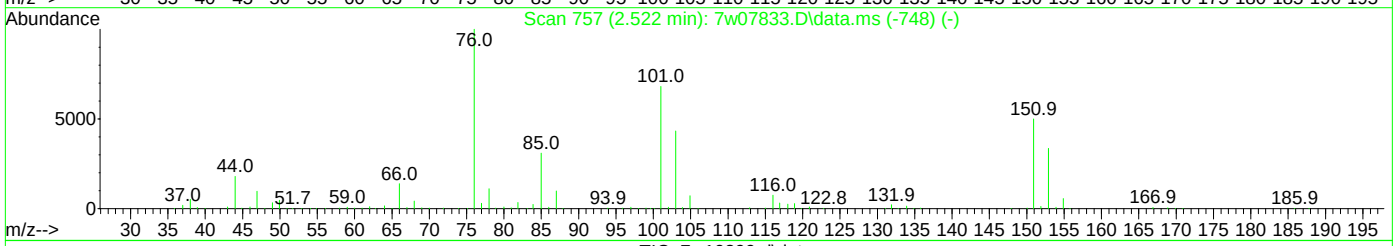
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.67PPBV

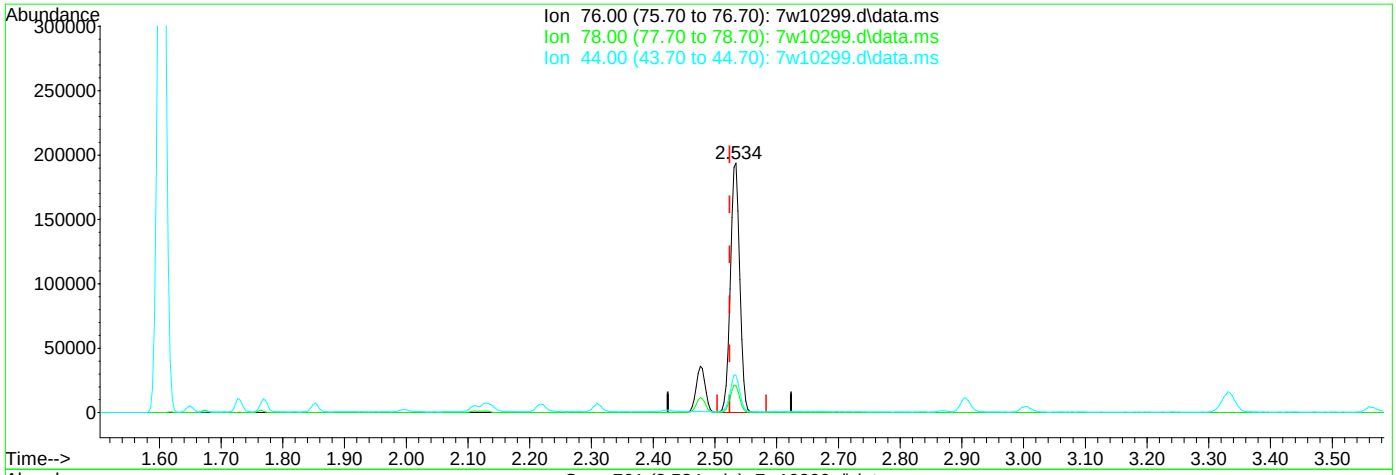
response 36642

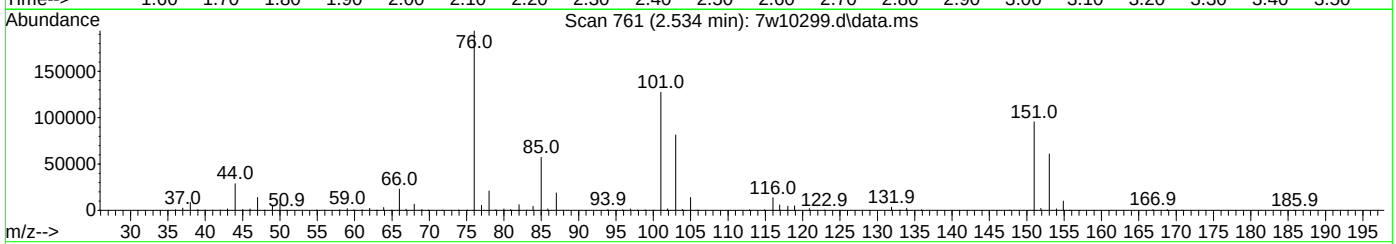
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.26# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

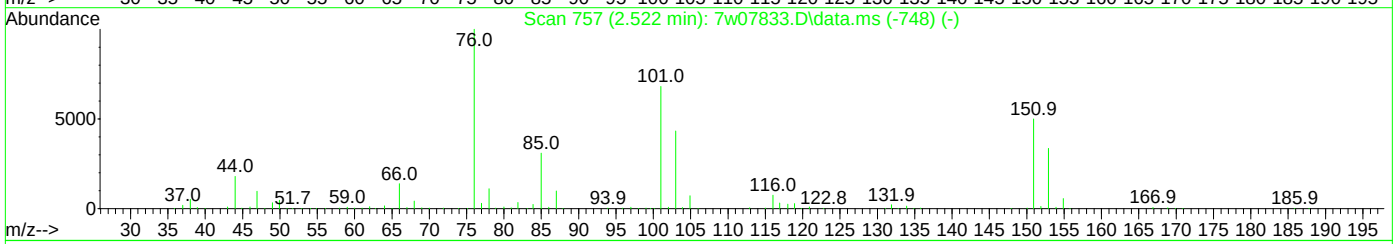
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.37PPBV m

response 206166

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.73# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 318407 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 291110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 198104 | 9.28 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 113904 | 14.6115 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 58252 | 13.8424 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22548 | 11.1109 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 126006 | 12.7755 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258130 | 10.5903 | PPBV | | 96 |
| 7) PROPYLENE | 1.670 | 41 | 73226 | 12.5735 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 176595 | 8.6534 | PPBV | | 93 |
| 9) FREON 114 | 1.763 | 85 | 219367 | 10.5801 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27990 | 8.8659 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 98928 | 10.1918 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 78163 | 9.9046 | PPBV | | 85 |
| 13) N-BUTANE | 1.853 | 43 | 130976 | 9.0882 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.914 | 94 | 79036 | 10.1826 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 53235 | 10.7085 | PPBV | | 88 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 193041 | 10.1603 | PPBV | | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 79921 | 8.4691 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 45813 | 9.6699 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 201941 | 10.4598 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 122795 | 11.0880 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 218154 | 9.9806 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 185164 | 8.9938 | PPBV | | 95 |
| 23) ACETONE | 2.139 | 58 | 55931 | 9.9687 | PPBV | | 67 |
| 24) PENTANE | 2.313 | 42 | 98623 | 9.4305 | PPBV | | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 221386 | 11.7419 | PPBV | | 90 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84778 | 10.4231 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 226201 | 9.5429 | PPBV | # | 91 |
| 28) ETHANOL | 1.994 | 45 | 48617 | 8.6425 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83038 | 11.1865 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 72323 | 9.4774 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75641 | 9.0358 | PPBV | | 81 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 40143 | 9.3713 | PPBV | # | 64 |
| 33) FREON 113 | 2.531 | 151 | 133379 | 10.4200 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.760 | 96 | 90620 | 11.4238 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 178450 | 9.0300 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 237675 | 11.9255 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45414 | 11.9586 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 189796 | 11.4405 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 21344 | 11.7644 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 185111 | 12.5230 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 48844 | 12.0820 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95378 | 11.3375 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 53282 | 12.3430 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 37519 | 11.8340 | PPBV | | 80 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 218966 | 12.0500 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 183591 | 10.7906 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 217186 | 12.2384 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179721 | 11.6039 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188242 | 12.3820 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 136186 | 10.5541 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 287054 | 11.4643 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 122945 | 10.9323 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66429 | 11.5345 | PPBV | | 92 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124262 | 10.1896 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 125410 | 11.5600 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 108654 | 10.6178 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 267659 | 11.4928 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 201360 | 10.7597 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 593969 | 11.5245 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 67571 | 10.1241 | PPBV | # | 92 |
| 62) | HEPTANE | 5.538 | 43 | 200831 | 11.0999 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 111342 | 11.4310 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116688 | 10.4765 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.062 | 75 | 168984 | 12.1544 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 344235 | 10.1611 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 174071 | 10.4582 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139249 | 12.2098 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.898 | 83 | 101012 | 10.9059 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 163348 | 9.6093 | PPBV | | 87 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 179505 | 11.1440 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 132275 | 10.9275 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200550 | 11.3029 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 182038 | 11.1564 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 274062 | 10.0697 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144332 | 11.5604 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 276377 | 9.8077 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 454221 | 9.8333 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 696539 | 19.0900 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 354868 | 9.6873 | PPBV | | 99 |
| 82) | STYRENE | 12.232 | 104 | 275318 | 10.3876 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 281389 | 9.7128 | PPBV | | 94 |
| 84) | BROMOFORM | 11.322 | 173 | 186323 | 11.7618 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 264100 | 10.2355 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 200411 | 9.6181 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 135526 | 9.7674 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 247703 | 9.4364 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 120539 | 9.4762 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 141576 | 9.9091 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 515336 | 10.1876 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 416897 | 9.7951 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 212144 | 9.3804 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102158 | 10.0338 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 434416 | 9.7670 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257456 | 19.8916 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 290983 | 9.8030 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 295431 | 10.0349 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 277787 | 9.7722 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 130027 | 10.1472 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 415375 | 9.2243 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 139585 | 9.7620 | PPBV | | 94 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 139967 | 9.8616 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159918 | 11.6099 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.650 | 225 | 220878 | 10.3419 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 269758 | 9.4800 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 626781 | 8.4309 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 466760 | 8.8472 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

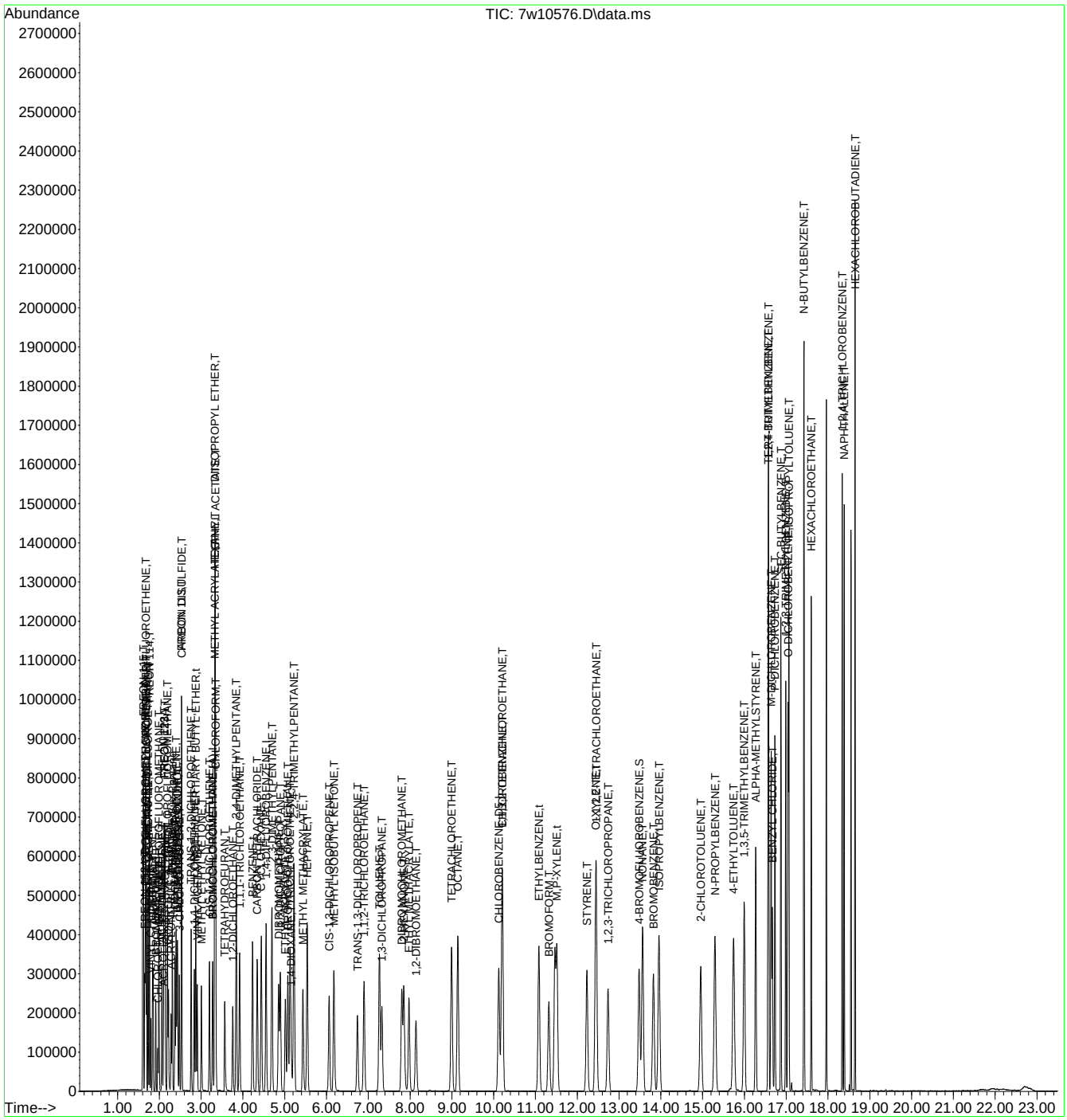
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A1784 | AS10508 | 12/30/2024 | 0.5 |
| TO-15 STD | A2040 | AS10510 | 1/5/2025 | 5.0 |
| TO-15 STD | A1788 | AS10499 | 12/28/2024 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2125**
**Date: 12/8/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6 | ib | 5w55453 | | | A2040 | 20 | | | | | - | |
| 1-3 | ib | 5w55454 | | | A1784 | 20 | | | | | - | |
| 1-2 | ib | 5w55455 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55456 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55457 | | | A959 | 20 | | | | | - | |
| 1-3 | bfb | 5w55458 | | | A1784 | 32 | | | | | OK | T = 10:53 |
| 1-3 | ic2125-0.04 | 5w55459 | | | A1784 | 32 | | | √ | √ | OK | |
| 1-3 | ic2125-0.1 | 5w55460 | | | A1784 | 80 | | | √ | √ | OK | |
| 1-3 | ic2125-0.2 | 5w55461 | | | A1784 | 160 | | | √ | √ | OK | |
| 1-3 | ic2125-0.5 | 5w55462 | | | A1784 | 400 | | | | | NOT USED | Testing Purposes |
| 1-6 | ic2125-0.5 | 5w55463 | | | A2040 | 40 | | | √ | √ | OK | |
| 1-6 | ic2125-5 | 5w55464 | | | A2040 | 400 | | | √ | √ | OK | |
| 1-1 | ic2125-5 | 5w55465 | | | A1788 | 40 | | | | | NOT USED | Testing Purposes |
| 1-1 | icc2125-10 | 5w55466 | | | A1788 | 80 | | | √ | √ | OK | |
| 1-1 | ic2125-20 | 5w55467 | | | A1788 | 160 | | | √ | √ | OK | |
| 1-1 | ic2125-40 | 5w55468 | | | A1788 | 320 | | | √ | √ | OK | |
| 1-1 | ic2125-50 | 5w55469 | | | A1788 | 400 | | | √ | √ | OK | |
| 1-2 | ib | 5w55470 | | | A959 | 200 | | | | | - | |
| 1-2 | ib | 5w55471 | | | A959 | 100 | | | | | - | |
| 1-5 | icv2125-10 | 5w55472 | | | A1795 | 80 | | | | | RR | Nap ↑ |
| 1-5 | icv2125-10 | 5w55473 | | | A1795 | 80 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

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# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55695 | | | Open position | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55696 | | | A974 | 80 | | | | | RR | canister valve closed |
| 1-1 | cc2125-10 | 5w55697 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | cc2125-10 | 5w55698 | | | a974 | 80 | | | | | RR | Acetone ↓. Retune instrument |
| 1-2 | bfb | 5w55699 | | | Open position | 20 | | | | | OK | T = 19:52 |
| 1-1 | cc2125-10 | 5w55700 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55701 | | | a974 | 80 | | | √ | √ | OK | MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55702 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | bsd | 5w55703 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑ |
| 1-2 | ib | 5w55704 | | | a2039 | 80 | | | | | - | |
| 1-2 | ib | 5w55705 | | | a2039 | 200 | | | | | - | |
| 1-2 | mb | 5w55706 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55707 | | | a061 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55708 | | | a2175 | 400 | | | √ | √ | RECLEAN | Multiple hits. |
| 1-3 | scc,cp12948 | 5w55709 | | | a2150 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55710 | | | a1184 | 400 | | | √ | √ | RECLEAN | Nap ↑, 124TCB ↑ |
| 1-3 | scc,cp12946 | 5w55711 | | | m162 | 400 | | | √ | √ | RECLEAN | ethanol hit |
| 1-2 | scc,cp12947 | 5w55712 | | | a466 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55713 | | | a1184 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55714 | | | a2119 | 400 | | | √ | √ | OK | |
| 1-5 | je2488-1 | 5w55715 | MS88104 | NYLL | a1324 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-6 | je2488-2 | 5w55716 | MS88104 | NYLL | a879 | 500 | 1 | | ↓1 | √ | OK | for QC purpose only |
| 1-6 | je2488-2dup | 5w55717 | MS88104 | NYLL | a879 | 500 | 1 | | ↑1 | √ | OK | |
| 1-7 | je2489-2 | 5w55718 | MS88104 | NYLL | a1629 | 500 | 1 | | ↓123 | √ | OK/DL | ISTD out |
| 1-8 | je2489-4 | 5w55719 | MS88104 | NYLL | a1190 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-9 | je2490-2 | 5w55720 | MS88104 | NYLL | a1736 | 500 | 1 | | ↓1 | √ | OK/DL | |
| 1-10 | je2490-4 | 5w55721 | MS88104 | NYLL | a2540 | 500 | 1 | | √ | √ | OK/DL | |
| 1-11 | je2491-2 | 5w55722 | MS88104 | NYLL | a1735 | 500 | 1 | | √ | √ | OK/DL | |
| 1-12 | je2491-4 | 5w55723 | MS88104 | NYLL | a1688 | 500 | 1 | | √ | √ | OK/DL | |
| 1-13 | je2487-2 | 5w55724 | MS88104 | NYLL | a1678 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2487-4 | 5w55725 | MS88104 | NYLL | a1659 | 20 | 1 | | √ | √ | OK | |
| 1-15 | je2487-6 | 5w55726 | MS88104 | NYLL | a1284 | 100 | 1 | | | | | Sequence stopped by analyst |
| 1-16 | je2487-3 | 5w55727 | MS88104 | NYSVLL | a1737 | 200 | 1 | | | | | Sequence stopped by analyst |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Initial | Sample ID | Canister SN | Vacuum at Time of | Final Pressure (psig) | Dilution Factor | Canister SN | Canister | Sample Volume | Final Pressure | Equivalent Total Volume | Dilution Factor | Final Canister Dilution Factor |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister | Injection | Dilution | TICS | Areas | | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SN | Volume (cc) | | | IS | SS | | | |
| Date | Initial | Sample ID | Canister SN | Dilution (inHg) | Final Pressure (psig) | Dilution Factor | Canister SN | Volume (cc) | Added (cc) | (psig) | | (cc) | Dilution Factor | Final Canister Dilution Factor |
| | | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2135**
**Date: 12/19/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55749 | | | a2039 | 400 | | | | | | |
| 1-1 | cc2125-10 | 5w55750 | | | A974 | 80 | | | | | | |
| 1-2 | bfb | 5w55751 | | | a2039 | 20 | | | | | OK | T = 15:40 |
| 1-1 | cc2125-10 | 5w55752 | | | A974 | 80 | | | √ | √ | OK | MTBE ↑, THF ↑, MEK ↑, EACE ↑, MACRYLATE ↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1,2ATCB ↑ |
| 1-1 | bs | 5w55753 | | | A974 | 80 | | | √ | √ | OK | TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 1DCA ↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1ATCB ↑ |
| 1-1 | bsd | 5w55754 | | | A974 | 80 | | | √ | √ | OK | TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 24DMP ↑, 12DCA ↑, ETHYLACR ↑, heptane ↑, MMC ↑, T13DCP ↑, EMC ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑ |
| 1-2 | ib | 5w55755 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55756 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12949 | 5w55757 | | | a1379 | 100 | | | √ | √ | RR | reclean |
| 1-4 | scc,cp12949 | 5w55758 | | | a2278 | 100 | | | √ | √ | RR | reclean |
| 1-5 | scc,cp12949 | 5w55759 | | | a2308 | 100 | | | √ | √ | OK | |
| 1-3 | scc,cp12949 | 5w55760 | | | a1379 | 100 | | | √ | √ | OK | |
| 1-4 | scc,cp12949 | 5w55761 | | | a2278 | 100 | | | √ | √ | OK | |
| 1-5 | scc,cp12937 | 5w55762 | | | a2268 | 100 | | | √ | √ | OK | |
| 1-6 | je2666-1 | 5w55763 | MS88187 | STD | m174 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2666-1dup | 5w55764 | MS88187 | STD | m174 | 100 | 1 | | √ | √ | OK | |
| 1-7 | je2389-1 | 5w55765 | MS88056 | STD, propbnz, cumene | a2359 | 310 | 1.55 | | √ | √ | OK | |
| 1-8 | je2808-1 | 5w55766 | MS88278 | STD+, Nap | a752 | 400 | 1 | | √ | √ | OK | |
| 1-9 | je2808-2 | 5w55767 | MS88278 | STD+, Nap | a902 | 400 | 1 | | √ | √ | OK | |
| 1-10 | je2487-1 | 5w55768 | MS88104 | NYSVLL, Nap | m140 | 400 | 1 | | ↓3 | √ | OK/DL | Acetone ↑ RR 100mL |
| 1-11 | je2487-3 | 5w55769 | MS88104 | NYSVLL, Nap | a1737 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je2487-5 | 5w55770 | MS88104 | NYSVLL, Nap | a1597 | 400 | 1 | | √ | √ | OK/DL | Acetone ↑ RR 100mL |
| 1-13 | je2487-6 | 5w55771 | MS88104 | NYLL, Nap | a1284 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2488-1 | 5w55772 | MS88104 | NYSVLL | a1324 | 500 | 1 | | √ | √ | OK | |
| 1-15 | je2488-2 | 5w55773 | MS88104 | NYSVLL | a879 | 500 | 1 | | √ | √ | OK | |
| 1-16 | je2489-1 | 5w55774 | MS88104 | NYSVLL | a231 | 400 | 1 | | ↓3 | √ | RR | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V5W2135**
**Date:** **12/19/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s):** **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

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# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Conc. (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2038 | AS10402 | 9/18/2024 | 0.5 |
| TO-15 STD | A2045 | AS10401 | 9/18/2024 | 5.0 |
| TO-15 STD | A1805 | AS10384 | 9/14/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| | | | | |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W305**
**Date: 8/18/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
**Data Validator: Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w07973 | | | A2036 | 100 | | | | | - | |
| 2-1 | bfb | 7w07974 | | | A2038 | 32 | | | | | OK | T = 21:06 |
| 2-1 | ic305-0.04 | 7w07975 | MS80966 | STD+NAP | A2038 | 32 | | | √ | √ | OK | |
| 2-1 | ic305-0.1 | 7w07976 | MS80966 | STD+NAP | A2038 | 80 | | | √ | √ | OK | |
| 2-1 | ic305-0.2 | 7w07977 | MS80966 | STD+NAP | A2038 | 160 | | | √ | √ | OK | |
| 2-2 | ic305-0.5 | 7w07978 | MS80966 | STD+NAP | A2045 | 40 | | | √ | √ | OK | |
| 2-2 | ic305-5 | 7w07979 | MS80966 | STD+NAP | A2045 | 400 | | | √ | √ | OK | |
| 2-3 | icc305-10 | 7w07980 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-3 | ic305-20 | 7w07981 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-3 | ic305-40 | 7w07982 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-3 | ic305-50 | 7w07983 | MS80966 | STD+NAP | A1805 | 400 | | | √ | √ | OK | |
| 2-5 | ib | 7w07984 | | | A2036 | 20 | | | | | - | |
| 2-5 | ib | 7w07985 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07986 | MS80966 | STD+NAP | A1795 | 100 | | | | | NOT USED | Wrong volume. |
| 2-5 | ib | 7w07987 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07988 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07989 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07990 | MS80966 | STD+NAP | A1795 | 80 | | | √ | √ | OK | ↑ Benzyl Chloride |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W379**
**Date: 11/6/2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10298 | | | a2036 | 20 | | | | | OK | T = 08:30 |
| C2 | cc305-10 | 7w10299 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑ |
| C2 | bs | 7w10300 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑, F115 ↑ |
| C2 | bsd | 7w10301 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑, F115 ↑ |
| C1 | ib | 7w10302 | | | a2036 | 100 | | | | | - | |
| C1 | mb | 7w10303 | | | a2036 | 400 | | + | √ | √ | OK | |
| C3 | jd98975-1 | 7w10304 | MS86560 | SL+ | a2527 | 400 | 1 | + | √ | √ | OK | |
| C3 | jd98975-1dup | 7w10305 | MS86560 | SL+ | a2527 | 400 | 1 | | √ | √ | OK | |
| C4 | jd98975-2 | 7w10306 | MS86560 | SL+ | a2532 | 400 | 1 | + | √ | √ | OK | |
| C5 | jd98975-3 | 7w10307 | MS86560 | SL+ | a2492 | 592 | 1.48 | + | √ | √ | OK | |
| C6 | jd98975-4 | 7w10308 | MS86560 | SL+ | a2465 | 400 | 1 | + | √ | √ | OK | |
| C7 | jd98975-5 | 7w10309 | MS86560 | SL+ | a2476 | 400 | 1 | + | √ | √ | OK | |
| A1 | jd99451-1 | 7w10310 | MS86734 | STD, Nap | a1944 | 20 | 1 | | √ | √ | OK | |
| C8 | scc,cp12898 | 7w10311 | | | a1763 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12898 | 7w10312 | | | a295 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12898 | 7w10313 | | | a858 | 400 | | | √ | √ | OK | |
| D2 | scc,cp12898 | 7w10314 | | | m172 | 400 | | | √ | √ | OK | |
| C3 | scc,cp12909 | 7w10315 | | | a276 | 400 | | | √ | √ | OK | |
| C4 | scc,cp12909 | 7w10316 | | | a1206 | 400 | | | √ | √ | OK | |
| C5 | scc,cp12909 | 7w10317 | | | a2027 | 400 | | | √ | √ | OK | |
| C6 | scc,cp12909 | 7w10318 | | | a2131 | 400 | | | √ | √ | OK | |
| C7 | scc,cp12909 | 7w10319 | | | a1741 | 400 | | | √ | √ | OK | |
| C8 | scc,cp12909 | 7w10320 | | | a1711 | 400 | | | √ | √ | RR | Wrong canister connected to autosampler. |
| A2 | scc,cp12912 | 7w10321 | | | a1561 | 100 | | | √ | √ | OK | |
| A3 | scc,cp12913 | 7w10322 | | | a1455 | 100 | | | √ | √ | OK | |
| A4 | scc,cp12913 | 7w10323 | | | a2550 | 100 | | | √ | √ | OK | |
| A5 | scc,cp12913 | 7w10324 | | | a1543 | 100 | | | √ | √ | OK | |
| A6 | scc,cp12913 | 7w10325 | | | a2590 | 100 | | | √ | √ | OK | 02:47am |
| C8 | scc,cp12915 | 7w10326 | | | a2499 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12915 | 7w10327 | | | a2479 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12915 | 7w10328 | | | a2519 | 400 | | | √ | √ | OK | |
| D2 | scc,cp12915 | 7w10329 | | | a2536 | 400 | | | √ | √ | OK | |
| D3 | scc,cp12915 | 7w10330 | | | a2481 | 400 | | | √ | √ | OK | |
| D4 | scc,cp12915 | 7w10331 | | | a2525 | 400 | | | √ | √ | OK | |
| D5 | scc,cp12915 | 7w10332 | | | a2515 | 400 | | | √ | √ | OK | |
| D6 | scc,cp12915 | 7w10333 | | | a2470 | 400 | | | √ | √ | OK | t = 08:18 |
| D7 | scc,cp12915 | 7w10334 | | | a2514 | 400 | | | | | NOT USED | Analyst stopped sequence. |
| D8 | scc,cp12915 | 7w10335 | | | a2446 | 400 | | | | | NOT USED | Analyst stopped sequence. |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W379**
**Date:** **11/6/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W387**
**Date: 11/18//2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10575 | | | a2039 | 20 | | | | | OK | t = 08:59 |
| C2 | cc305-10 | 7w10576 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑ |
| C2 | bs | 7w10577 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C2 | bsd | 7w10578 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C1 | ib | 7w10579 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10580 | | | a2039 | 400 | | + | √ | √ | OK | |
| C3 | je571-1 | 7w10581 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | RR | Bad purge |
| C4 | jd99820-1 | 7w10582 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C4 | jd99820-1dup | 7w10583 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C5 | je569-1 | 7w10584 | MS87221 | STD+, Nap | a473 | 400 | 1 | + | √ | √ | OK | |
| C6 | je569-3 | 7w10585 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | RR | Bad purge |
| C7 | je569-4 | 7w10586 | MS87221 | STD+, Nap | a1835 | 400 | 1 | + | √ | √ | OK | |
| C8 | je569-5 | 7w10587 | MS87221 | STD+, Nap | a1350 | 400 | 1 | + | √ | √ | OK | |
| C9 | je569-6 | 7w10588 | MS87221 | STD+, Nap | a1301 | 400 | 1 | + | √ | √ | OK | |
| D1 | je569-8 | 7w10589 | MS87221 | STD+, Nap | m226 | 400 | 1 | + | | | RR | 4-Bromofluorobenzene RT shift |
| D2 | je569-9 | 7w10590 | MS87221 | STD+, Nap | m118 | 400 | 1 | + | √ | √ | OK | |
| D3 | je603-1 | 7w10591 | MS87221 | STD+, Nap | a1645 | 400 | 1 | + | √ | √ | OK | |
| D4 | je603-2 | 7w10592 | MS87221 | STD+, Nap | a357 | 400 | 1 | + | √ | √ | OK | |
| C3 | je571-1 | 7w10593 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | OK | |
| A1 | jd435-1 | 7w10594 | MS87175 | STD, Nap | a1972 | 100 | 1 | | √ | √ | OK | |
| A2 | jd435-5 | 7w10595 | MS87175 | STD, Nap | a2269 | 100 | 1 | | √ | √ | OK | |
| A3 | jd435-6 | 7w10596 | MS87175 | STD, Nap | a2569 | 100 | 1 | | √ | √ | OK | |
| A4 | jd605-1 | 7w10597 | MS87221 | STD, Nap | a2586 | 100 | 1 | | √ | √ | OK | |
| A5 | jd605-2 | 7w10598 | MS87221 | STD, Nap | a2596 | 100 | 1 | | √ | √ | OK | |
| A6 | jd605-3 | 7w10599 | MS87221 | STD, Nap | a2271 | 100 | 1 | | √ | √ | OK | |
| A7 | jd99809-1 | 7w10600 | MS86930 | PAUGTMB, EDB, EDC | a1524 | 100 | 1 | | √ | √ | RR | ISTD/SURR RT shift |
| A8 | jd99809-2 | 7w10601 | MS86930 | PAUGTMB, EDB, EDC | a2305 | 100 | 1 | | √ | √ | OK | |
| A9 | jd99809-3 | 7w10602 | MS86930 | PAUGTMB, EDB, EDC | a2198 | 100 | 1 | | √ | √ | OK | |
| A10 | scc, cp12923 | 7w10603 | | | a2567 | 100 | | | √ | √ | OK | |
| B1 | scc, cp12924 | 7w10604 | | | a1450 | 100 | | | √ | √ | OK | |
| D5 | scc, cp12922 | 7w10605 | | | a779 | 400 | | | √ | √ | OK | |
| D6 | scc, cp12922 | 7w10606 | | | a1171 | 400 | | | √ | √ | OK | |
| D7 | scc, cp12922 | 7w10607 | | | m053 | 400 | | | √ | √ | OK | |
| C6 | je569-3 | 7w10608 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | OK | 6:51 |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
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# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W387**
**Date:** **11/18//2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| | |
|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. |
| **Notes:** | |

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

*e-Hardcopy 2.0*
*Automated Report*

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2490

Sampling Date: 12/10/24

Report to:

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

ATTN: Michael DeGloria

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

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

Olga Azarian
Technical Director

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

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Test results relate only to samples analyzed.



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SGS North America Inc.

# Sample Summary

Groundwater & Environmental Services

**Job No:** JE2490

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

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JE2490-1 | 12/10/24 | 18:25 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-1 |
| JE2490-2 | 12/10/24 | 18:30 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-1 |
| JE2490-3 | 12/10/24 | 18:35 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-2 |
| JE2490-4 | 12/10/24 | 18:40 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-2 |

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the RL

# CASE NARRATIVE / CONFORMANCE SUMMARY

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

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

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

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2133

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

**Matrix:** AIR **Batch ID:** V5W2136

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

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2136

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

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2136

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

**Matrix:** AIR **Batch ID:** V5W2138

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

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

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

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

# Summary of Hits

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



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

# Summary of Hits

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



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

# Summary of Hits

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



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

# Summary of Hits

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



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

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

## Sample Results

Report of Analysis

SGS North America Inc.

# Report of Analysis





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

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

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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

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

SGS North America Inc.

# Report of Analysis





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

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

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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

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

SGS North America Inc.

# Report of Analysis





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

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

| | Initial Volume |
|---|---|
| Run #1 | 200 ml |
| Run #2 | |

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

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

SGS North America Inc.

# Report of Analysis





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

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

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

**VOA TO15 List**

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

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

# Report of Analysis





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

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

**VOA TO15 List**

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

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

# Report of Analysis





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

**VOA TO15 List**

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

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

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

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

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

JE2490

# AIR CHAIN OF CUSTODY

AIR

MM-112524-154

SGS ACCUTEST

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

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

PAGE 1 OF 1

**Client / Reporting Information**

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

**Project Information**

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

**Weather Parameters**

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

**Requested Analysis**

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

Initial Assessment HAHR
Label Verification

**Turnaround Time ( Business days)**

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

Approved By:
Date:

**Data Deliverable Information**

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

**Comments / Remarks**

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

Sample Inventory is verified upon receipt in the Laboratory

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

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

# SGS Sample Receipt Summary

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

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

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

**JE2490: Chain of Custody**
**Page 2 of 2**

# Summa Canister and Flow Controller Log



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

**SUMMA CANISTERS**

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

**FLOW CONTROLLERS / OTHER**

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

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

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

# Internal Sample Tracking Chronicle

Groundwater & Environmental Services

**Job No:** JE2490

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

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

## MS Volatiles



### QC Data Summaries

Includes the following where applicable:

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

# Method Blank Summary



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

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

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

JE2490-4

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

# Method Blank Summary



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

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



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

JE2490-4

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

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

# Method Blank Summary



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

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

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

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

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

# Method Blank Summary

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

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

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

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

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

# Method Blank Summary

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

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

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

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

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

# Method Blank Summary



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

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



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

JE2490-1

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

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

# Method Blank Summary



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

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

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

V7W387-SCC

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

# Method Blank Summary

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

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

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

V7W387-SCC

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

# Method Blank Summary

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

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

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

V7W387-SCC

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

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

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

JE2490-4

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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



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

JE2490-4

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

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

JE2490-4

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

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

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

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

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

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

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

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

JE2490-1

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

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

V7W387-SCC

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



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

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

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

V7W387-SCC

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

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

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

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

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

V7W387-SCC

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

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

* = Outside of Control Limits.

# Duplicate Summary



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

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

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

JE2490-4

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

* = Outside of Control Limits.

# Duplicate Summary

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

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

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

JE2490-4

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

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

* = Outside of Control Limits.

# Duplicate Summary



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

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

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

JE2490-4

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

* = Outside of Control Limits.

# Duplicate Summary



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

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

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

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

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

* = Outside of Control Limits.

# Duplicate Summary

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

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

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

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

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

* = Outside of Control Limits.

# Duplicate Summary



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

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

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

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

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

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

* = Outside of Control Limits.

# Duplicate Summary



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

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

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

JE2490-1

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

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

* = Outside of Control Limits.

# Summa Cleaning Certification



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

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

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

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

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

# Summa Cleaning Certification

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

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



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

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

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

# Summa Cleaning Certification

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

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

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

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

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

# Instrument Performance Check (BFB)



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

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

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

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

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

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

# Instrument Performance Check (BFB)



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

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

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

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

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

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

# Instrument Performance Check (BFB)



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

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

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 103472 | 19.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 287701 | 53.3 | | Pass |
| 95 | Base peak, 100% relative abundance | 539797 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 34869 | 6.46 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 639147 | 118.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 46992 | 8.71 | (7.35) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 621632 | 115.2 | (97.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 40723 | 7.54 | (6.55) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2136-CC2125 | 5W55778.D | 12/20/24 | 13:06 | 00:40 | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 | 13:55 | 01:29 | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 | 15:34 | 03:08 | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 | 17:06 | 04:40 | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 | 18:21 | 05:55 | (used for QC only; not part of job JE2490) |
| JE2665-1DUP | 5W55785.D | 12/20/24 | 19:03 | 06:37 | Duplicate |
| ZZZZZZ | 5W55786.D | 12/20/24 | 19:55 | 07:29 | (unrelated sample) |
| ZZZZZZ | 5W55788.D | 12/20/24 | 21:22 | 08:56 | (unrelated sample) |
| ZZZZZZ | 5W55789.D | 12/20/24 | 22:14 | 09:48 | (unrelated sample) |
| JE2490-1 | 5W55790.D | 12/20/24 | 22:55 | 10:29 | SS-1 |
| JE2490-2 | 5W55791.D | 12/20/24 | 23:46 | 11:20 | IA-1 |
| JE2490-2 | 5W55792.D | 12/21/24 | 00:26 | 12:00 | IA-1 |
| JE2490-3 | 5W55793.D | 12/21/24 | 01:09 | 12:43 | SS-2 |
| JE2490-4 | 5W55794.D | 12/21/24 | 01:49 | 13:23 | IA-2 |
| ZZZZZZ | 5W55795.D | 12/21/24 | 02:30 | 14:04 | (unrelated sample) |
| ZZZZZZ | 5W55796.D | 12/21/24 | 03:11 | 14:45 | (unrelated sample) |
| ZZZZZZ | 5W55797.D | 12/21/24 | 03:54 | 15:28 | (unrelated sample) |
| ZZZZZZ | 5W55798.D | 12/21/24 | 04:35 | 16:09 | (unrelated sample) |
| ZZZZZZ | 5W55799.D | 12/21/24 | 05:21 | 16:55 | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 | 06:08 | 17:42 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2138-BFB
**Lab File ID:** 5W55818.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/23/24
**Injection Time:** 08:13

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 80464 | 22.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 208725 | 57.0 | | Pass |
| 95 | Base peak, 100% relative abundance | 365867 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 24203 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 437760 | 119.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 33048 | 9.03 | (7.55) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 427712 | 116.9 | (97.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 29384 | 8.03 | (6.87) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2138-CC2125 | 5W55819.D | 12/23/24 | 09:11 | 00:58 | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 | 10:07 | 01:54 | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 | 11:17 | 03:04 | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 | 12:54 | 04:41 | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 | 14:29 | 06:16 | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 | 15:24 | 07:11 | (used for QC only; not part of job JE2490) |
| JE2315-1DUP | 5W55826.D | 12/23/24 | 16:11 | 07:58 | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 | 16:52 | 08:39 | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 | 17:34 | 09:21 | (unrelated sample) |
| ZZZZZZ | 5W55829.D | 12/23/24 | 18:20 | 10:07 | (unrelated sample) |
| JE2490-1 | 5W55830.D | 12/23/24 | 19:01 | 10:48 | SS-1 |
| ZZZZZZ | 5W55831.D | 12/23/24 | 19:43 | 11:30 | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 | 20:23 | 12:10 | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 | 21:09 | 12:56 | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 | 21:56 | 13:43 | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 | 22:42 | 14:29 | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 | 23:28 | 15:15 | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 | 00:14 | 16:01 | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 | 01:01 | 16:48 | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 | 01:54 | 17:41 | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 | 02:41 | 18:28 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-BFB
**Lab File ID:** 7W07974.D
**Instrument ID:** GCMS7W
**Injection Date:** 08/18/24
**Injection Time:** 21:06

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 20443 | 24.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 43320 | 51.7 | | Pass |
| 95 | Base peak, 100% relative abundance | 83736 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 5915 | 7.06 | | Pass |
| 173 | Less than 2.0% of mass 174 | 627 | 0.75 | (1.02) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 61525 | 73.5 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4526 | 5.41 | (7.36) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 58768 | 70.2 | (95.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3856 | 4.60 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 | 21:40 | 00:34 | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 | 22:13 | 01:07 | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 | 22:49 | 01:43 | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 | 23:22 | 02:16 | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 | 00:01 | 02:55 | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 | 00:35 | 03:29 | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 | 01:10 | 04:04 | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 | 01:48 | 04:42 | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 | 02:28 | 05:22 | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 | 06:28 | 09:22 | Initial cal verification 10 |
| V7W306-BS | 7W07991.D | 08/19/24 | 07:07 | 10:01 | Blank Spike |
| V7W306-BSD | 7W07992.D | 08/19/24 | 07:40 | 10:34 | Blank Spike Duplicate |
| V7W306-MB | 7W07996.D | 08/19/24 | 10:30 | 13:24 | Method Blank |
| ZZZZZZ | 7W07997.D | 08/19/24 | 11:04 | 13:58 | (unrelated sample) |
| ZZZZZZ | 7W07998.D | 08/19/24 | 11:39 | 14:33 | (unrelated sample) |
| ZZZZZZ | 7W07999.D | 08/19/24 | 12:15 | 15:09 | (unrelated sample) |
| JD93469-1 | 7W08000.D | 08/19/24 | 12:50 | 15:44 | (used for QC only; not part of job JE2490) |
| JD93469-1DUP | 7W08001.D | 08/19/24 | 13:26 | 16:20 | Duplicate |
| ZZZZZZ | 7W08002.D | 08/19/24 | 14:07 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W08003.D | 08/19/24 | 14:50 | 17:44 | (unrelated sample) |
| ZZZZZZ | 7W08004.D | 08/19/24 | 15:30 | 18:24 | (unrelated sample) |
| ZZZZZZ | 7W08005.D | 08/19/24 | 16:05 | 18:59 | (unrelated sample) |
| ZZZZZZ | 7W08006.D | 08/19/24 | 16:46 | 19:40 | (unrelated sample) |
| ZZZZZZ | 7W08007.D | 08/19/24 | 17:31 | 20:25 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W305-BFB | **Injection Date:** | 08/18/24 |
| **Lab File ID:** | 7W07974.D | **Injection Time:** | 21:06 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 7W08008.D | 08/19/24 | 18:11 | 21:05 | (unrelated sample) |
| ZZZZZZ | 7W08009.D | 08/19/24 | 18:52 | 21:46 | (unrelated sample) |
| ZZZZZZ | 7W08010.D | 08/19/24 | 20:04 | 22:58 | (unrelated sample) |
| ZZZZZZ | 7W08011.D | 08/19/24 | 20:43 | 23:37 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W387-BFB
**Lab File ID:** 7W10575.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/18/24
**Injection Time:** 08:59

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 12830 | 18.3 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 33101 | 47.2 | | Pass |
| 95 | Base peak, 100% relative abundance | 70203 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4918 | 7.01 | | Pass |
| 173 | Less than 2.0% of mass 174 | 423 | 0.60 | (0.70) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 60187 | 85.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4410 | 6.28 | (7.33) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 57075 | 81.3 | (94.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3652 | 5.20 | (6.40) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-CC305 | 7W10576.D | 11/18/24 | 09:35 | 00:36 | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 | 10:11 | 01:12 | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 | 10:46 | 01:47 | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 | 12:04 | 03:05 | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 | 13:59 | 05:00 | (used for QC only; not part of job JE2490) |
| JD99820-1DUP | 7W10583.D | 11/18/24 | 14:40 | 05:41 | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 | 15:21 | 06:22 | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 | 16:44 | 07:45 | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 | 17:25 | 08:26 | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 | 18:07 | 09:08 | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 | 19:30 | 10:31 | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 | 20:11 | 11:12 | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 | 20:52 | 11:53 | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 | 21:28 | 12:29 | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 | 22:04 | 13:05 | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 | 22:41 | 13:42 | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 | 23:53 | 14:54 | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 | 00:29 | 15:30 | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 | 01:06 | 16:07 | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 | 02:18 | 17:19 | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 | 02:55 | 17:56 | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 | 03:31 | 18:32 | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 | 04:07 | 19:08 | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 | 04:48 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W387-BFB | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10575.D | **Injection Time:** | 08:59 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-SCC | 7W10606.D | 11/19/24 | 05:29 | 20:30 | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 | 06:10 | 21:11 | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 | 06:51 | 21:52 | (unrelated sample) |

# Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2133-CC2125 | **Injection Date:** | 12/17/24 |
| **Lab File ID:** | 5W55700.D | **Injection Time:** | 20:32 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 283490 | 7.67 | 1320983 | 9.83 | 829640 | 15.35 |
| Upper Limit [a] | 396886 | 8.00 | 1849376 | 10.16 | 1161496 | 15.68 |
| Lower Limit [b] | 170094 | 7.34 | 792590 | 9.50 | 497784 | 15.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2133-BS | 313892 | 7.67 | 1454050 | 9.83 | 902926 | 15.35 |
| V5W2133-BSD | 319491 | 7.66 | 1462454 | 9.83 | 906713 | 15.34 |
| V5W2133-MB | 295908 | 7.66 | 1754729 | 9.83 | 953484 | 15.34 |
| V5W2133-SCC | 267595 | 7.66 | 1285097 | 9.83 | 733872 | 15.34 |
| V5W2133-SCC [c] | 215631 | 7.66 | 1056364 | 9.83 | 624828 | 15.34 |
| V5W2133-SCC | 208981 | 7.66 | 1029779 | 9.83 | 606483 | 15.34 |
| V5W2133-SCC [c] | 188367 | 7.66 | 948315 | 9.83 | 553930 | 15.34 |
| V5W2133-SCC [c] | 181213 | 7.66 | 897339 | 9.83 | 529431 | 15.34 |
| V5W2133-SCC | 190751 | 7.66 | 939930 | 9.83 | 559452 | 15.34 |
| V5W2133-SCC | 188591 | 7.66 | 933317 | 9.83 | 548791 | 15.34 |
| V5W2133-SCC | 197470 | 7.66 | 973511 | 9.83 | 568347 | 15.34 |
| JE2488-2 | 155758[d] | 7.66 | 802815 | 9.83 | 500617 | 15.34 |
| JE2488-2DUP | 156769[e] | 7.66 | 796945 | 9.83 | 502343 | 15.34 |
| JE2490-4 | 201833 | 7.68 | 1009609 | 9.83 | 643332 | 15.34 |
| ZZZZZZ | 233544 | 7.70 | 1103107 | 9.85 | 630888 | 15.35 |
| ZZZZZZ | 255838 | 7.70 | 1240149 | 9.85 | 726238 | 15.35 |
| ZZZZZZ | 245099 | 7.66 | 1200195 | 9.83 | 651740 | 15.34 |
| ZZZZZZ | 201759 | 7.66 | 999601 | 9.83 | 548542 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside of in house control limits.
(e) Outside in house control limits.

# Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2136-CC2125 | **Injection Date:** | 12/20/24 |
| **Lab File ID:** | 5W55778.D | **Injection Time:** | 13:06 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 318888 | 7.67 | 1469982 | 9.83 | 896125 | 15.34 |
| Upper Limit [a] | 446443 | 8.00 | 2057975 | 10.16 | 1254575 | 15.67 |
| Lower Limit [b] | 191333 | 7.34 | 881989 | 9.50 | 537675 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2136-BS | 349857 | 7.66 | 1633756 | 9.83 | 962940 | 15.34 |
| V5W2136-BSD | 369460 | 7.66 | 1679765 | 9.83 | 969387 | 15.34 |
| V5W2136-MB | 420264 | 7.66 | 1982756 | 9.82 | 1052285 | 15.34 |
| JE2665-1 | 347680 | 7.66 | 1679178 | 9.82 | 908149 | 15.34 |
| JE2665-1DUP | 276928 | 7.66 | 1339103 | 9.83 | 728500 | 15.34 |
| ZZZZZZ | 255725 | 7.66 | 1259383 | 9.82 | 729011 | 15.34 |
| ZZZZZZ | 223902 | 7.66 | 1101737 | 9.83 | 600369 | 15.34 |
| ZZZZZZ | 246511 | 7.66 | 1204091 | 9.83 | 692043 | 15.34 |
| JE2490-1 | 218794 | 7.66 | 1076421 | 9.83 | 562673 | 15.34 |
| JE2490-2 | 241587 | 7.68 | 1193445 | 9.83 | 722409 | 15.34 |
| JE2490-2 | 263063 | 7.66 | 1287566 | 9.83 | 720552 | 15.34 |
| JE2490-3 | 230773 | 7.66 | 1129671 | 9.83 | 553501 | 15.34 |
| JE2490-4 | 245552 | 7.67 | 1188779 | 9.83 | 677814 | 15.34 |
| ZZZZZZ | 216763 | 7.66 | 1073025 | 9.83 | 603430 | 15.34 |
| ZZZZZZ | 214306 | 7.67 | 1052666 | 9.83 | 558080 | 15.34 |
| ZZZZZZ | 219702 | 7.66 | 1077760 | 9.83 | 597639 | 15.34 |
| ZZZZZZ | 263492 | 7.67 | 1245689 | 9.83 | 635891 | 15.34 |
| ZZZZZZ | 228599 | 7.66 | 1121534 | 9.83 | 646592 | 15.34 |
| ZZZZZZ | 226170 | 7.66 | 1109122 | 9.83 | 641061 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2138-CC2125 | **Injection Date:** | 12/23/24 |
| **Lab File ID:** | 5W55819.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 263070 | 7.67 | 1217301 | 9.83 | 738303 | 15.34 |
| Upper Limit [a] | 368298 | 8.00 | 1704221 | 10.16 | 1033624 | 15.67 |
| Lower Limit [b] | 157842 | 7.34 | 730381 | 9.50 | 442982 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2138-BS | 261510 | 7.66 | 1220164 | 9.83 | 739045 | 15.34 |
| V5W2138-BSD | 260595 | 7.66 | 1218483 | 9.83 | 736456 | 15.34 |
| V5W2138-MB | 311710 | 7.66 | 1493158 | 9.82 | 781178 | 15.33 |
| V5W2138-SCC | 321306 | 7.66 | 1506173 | 9.82 | 782137 | 15.33 |
| JE2315-1 | 245399 | 7.66 | 1205702 | 9.83 | 682878 | 15.33 |
| JE2315-1DUP | 217553 | 7.66 | 1077292 | 9.83 | 621263 | 15.33 |
| ZZZZZZ | 208762 | 7.66 | 1039636 | 9.82 | 572065 | 15.34 |
| ZZZZZZ | 201543 | 7.67 | 1000655 | 9.83 | 551430 | 15.34 |
| ZZZZZZ | 211041 | 7.66 | 1036893 | 9.83 | 471557 | 15.34 |
| JE2490-1 | 215745 | 7.66 | 1039188 | 9.83 | 542678 | 15.34 |
| ZZZZZZ | 244806 | 7.66 | 1174993 | 9.83 | 645042 | 15.34 |
| ZZZZZZ | 195304 | 7.67 | 959920 | 9.83 | 520023 | 15.34 |
| ZZZZZZ | 186533 | 7.66 | 914542 | 9.83 | 530709 | 15.33 |
| ZZZZZZ | 190196 | 7.67 | 938311 | 9.83 | 539199 | 15.34 |
| ZZZZZZ | 194798 | 7.67 | 962979 | 9.83 | 555481 | 15.34 |
| ZZZZZZ | 182844 | 7.66 | 924573 | 9.83 | 542563 | 15.34 |
| ZZZZZZ | 195003 | 7.67 | 985329 | 9.83 | 573135 | 15.34 |
| ZZZZZZ | 203928 | 7.66 | 1010745 | 9.83 | 575284 | 15.34 |
| ZZZZZZ | 207550 | 7.66 | 1034387 | 9.83 | 595518 | 15.34 |
| ZZZZZZ | 0* | 0.00* | 0* | 0.00* | 0* | 0.00* |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W387-CC305 | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10576.D | **Injection Time:** | 09:35 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 60785 | 3.28 | 318407 | 4.55 | 291110 | 10.12 |
| Upper Limit [a] | 85099 | 3.61 | 445770 | 4.88 | 407554 | 10.45 |
| Lower Limit [b] | 36471 | 2.95 | 191044 | 4.22 | 174666 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W387-BS | 59927 | 3.27 | 307732 | 4.55 | 281115 | 10.12 |
| V7W387-BSD | 59448 | 3.28 | 304227 | 4.55 | 275746 | 10.12 |
| V7W387-MB | 64026 | 3.28 | 327182 | 4.55 | 306459 | 10.12 |
| JD99820-1 | 56665 | 3.28 | 288174 | 4.56 | 265558 | 10.12 |
| JD99820-1DUP | 55698 | 3.28 | 286506 | 4.56 | 262400 | 10.12 |
| ZZZZZZ | 57230 | 3.28 | 293974 | 4.56 | 269278 | 10.12 |
| ZZZZZZ | 57892 | 3.28 | 293943 | 4.56 | 268382 | 10.13 |
| ZZZZZZ | 55173 | 3.28 | 281652 | 4.56 | 256840 | 10.12 |
| ZZZZZZ | 56414 | 3.28 | 290642 | 4.56 | 266690 | 10.12 |
| ZZZZZZ | 55175 | 3.28 | 282753 | 4.56 | 261195 | 10.12 |
| ZZZZZZ | 56321 | 3.28 | 288236 | 4.56 | 267074 | 10.12 |
| ZZZZZZ | 55592 | 3.28 | 280028 | 4.56 | 258953 | 10.12 |
| ZZZZZZ | 59195 | 3.28 | 306746 | 4.56 | 279352 | 10.13 |
| ZZZZZZ | 54414 | 3.28 | 279296 | 4.56 | 256561 | 10.12 |
| ZZZZZZ | 53395 | 3.28 | 262918 | 4.56 | 253725 | 10.12 |
| ZZZZZZ | 58851 | 3.28 | 302770 | 4.56 | 278405 | 10.12 |
| ZZZZZZ | 60842 | 3.28 | 310928 | 4.56 | 285512 | 10.12 |
| ZZZZZZ | 60530 | 3.28 | 314864 | 4.56 | 285718 | 10.13 |
| ZZZZZZ | 57253 | 3.28 | 296182 | 4.56 | 271095 | 10.12 |
| ZZZZZZ | 55936 | 3.28 | 289486 | 4.55 | 263402 | 10.12 |
| V7W387-SCC | 58656 | 3.28 | 295685 | 4.56 | 265930 | 10.12 |
| V7W387-SCC | 60454 | 3.27 | 305996 | 4.55 | 275902 | 10.12 |
| V7W387-SCC | 61555 | 3.28 | 303415 | 4.55 | 282366 | 10.12 |
| V7W387-SCC | 63209 | 3.28 | 314760 | 4.55 | 280011 | 10.12 |
| V7W387-SCC | 65323 | 3.28 | 322265 | 4.55 | 287974 | 10.12 |
| ZZZZZZ | 56492 | 3.28 | 288918 | 4.56 | 272258 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,3-Butadiene | 4.04 | 7.66 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoethene | 4.63 | 7.66 | 0.604 | ok | 0.602 | 0.542-0.662 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.66 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.66 | 1.020 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.66 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.56 | 15.35 | 1.209 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.69 | 9.83 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.66 | 0.717 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.85 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.03 | 9.83 | 1.326 | ok | 1.323 | 1.263-1.383 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.35 | 9.83 | 1.053 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.66 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.49 | 7.66 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.76 | 9.83 | 1.196 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.42 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.44 | 9.83 | 1.266 | ok | 1.263 | 1.203-1.323 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.97 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.66 | 0.491 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.83 | 1.123 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl Tert Butyl Ether | 6.81 | 7.66 | 0.889 | ok | 0.879 | 0.819-0.939 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.78 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.93 | 15.35 | 1.103 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.63 | 9.83 | 1.285 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.66 | 7.66 | 0.739 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Toluene | 12.98 | 9.83 | 1.320 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.66 | 0.646 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|---|
| TVHC As Equiv Pentane | 5.23 | | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 339655 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1562017 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 815644 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.74 | 7.67 | 0.618 | ok | 0.615 | 0.555-0.675 |
| Acetonitrile | 4.65 | 7.67 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.04 | 7.67 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.86 | 7.67 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.59 | 7.67 | 0.468 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.67 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.67 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.71 | 7.67 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.83 | 0.988 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.80 | 9.83 | 1.099 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.43 | 7.67 | 0.578 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.67 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.78 | 7.67 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.83 | 7.67 | 1.021 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.50 | 9.83 | 1.068 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.83 | 7.67 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.67 | 0.502 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.67 | 0.618 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.79 | 7.67 | 0.625 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.67 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.45 | 15.35 | 0.876 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.67 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.16 | 7.67 | 0.934 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.89 | 9.83 | 1.210 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.79 | 7.67 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.99 | 9.83 | 1.118 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.24 | 7.67 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.61 | 7.67 | 0.471 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.77 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.65 | 7.67 | 0.737 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.37 | 7.67 | 1.091 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 333430 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1533309 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 804190 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.86 | 7.66 | 0.634 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.64 | 7.66 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.39 | 9.83 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.66 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.78 | 9.83 | 1.097 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.77 | 7.66 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.81 | 7.66 | 1.020 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.48 | 9.83 | 1.066 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.66 | 0.503 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.66 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.43 | 15.35 | 0.875 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.66 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.14 | 7.66 | 0.932 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.87 | 9.83 | 1.208 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.78 | 7.66 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.98 | 9.83 | 1.117 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.64 | 7.66 | 0.736 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.34 | 7.66 | 1.089 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.84 | 7.66 | 0.893 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 334972 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1532765 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 812540 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.85 | 7.66 | 0.633 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.63 | 7.66 | 0.604 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.75 | 9.83 | 1.094 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.83 | 1.263 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.75 | 7.66 | 1.012 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.48 | 7.66 | 0.585 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.79 | 7.66 | 1.017 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.46 | 9.83 | 1.064 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.66 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.41 | 15.35 | 0.874 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.08 | 7.66 | 0.663 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.66 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.11 | 7.66 | 0.928 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.85 | 9.83 | 1.205 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.76 | 7.66 | 0.883 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.97 | 9.83 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.62 | 7.66 | 0.734 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.31 | 7.66 | 1.085 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.83 | 7.66 | 0.892 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 330769 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1512302 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 803446 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.83 | 7.67 | 0.630 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.90 | 15.35 | 1.166 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.00 | 9.83 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.69 | 9.83 | 1.087 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.67 | 0.476 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.66 | 7.67 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.76 | 7.67 | 1.012 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.67 | 0.451 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.37 | 15.35 | 0.871 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.04 | 7.67 | 0.657 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.26 | 15.35 | 1.320 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.67 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.80 | 9.83 | 1.200 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.56 | 7.67 | 0.725 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.26 | 7.67 | 1.077 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.67 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 327920 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1483978 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 823417 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.67 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.67 | 0.716 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.83 | 1.323 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.83 | 1.085 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.67 | 1.010 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.67 | 0.656 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.83 | 1.199 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.67 | 0.724 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.24 | 7.67 | 1.074 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 339202 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1511260 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 875250 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.84 | 1.084 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.84 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.68 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.84 | 1.282 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.84 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 342882 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1466721 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 922805 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.02 | 7.68 | 0.523 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.22 | 7.68 | 0.549 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.06 | 7.68 | 0.529 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.57 | 7.68 | 0.465 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.60 | 7.68 | 0.469 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.68 | 0.741 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.68 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.66 | 9.84 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.68 | 0.475 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.41 | 7.68 | 0.574 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.71 | 7.68 | 1.004 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.84 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.54 | 7.68 | 0.461 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.70 | 7.68 | 0.872 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.59 | 7.68 | 0.467 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.84 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.84 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.68 | 0.643 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 341329 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1382725 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1000073 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.21 | 7.68 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.41 | 9.85 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.62 | 9.85 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.85 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.85 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.85 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.85 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.85 | 1.050 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.68 | 0.841 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 11.74 | 9.85 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.85 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.85 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.85 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.74 | 7.68 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.85 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.85 | 1.197 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.85 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.85 | 1.281 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.25 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.70 | 9.85 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.68 | 0.723 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.85 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.66 | 9.85 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 363096 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.85 | ok | 9.83 | 9.50-10.16 | 1435494 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1087902 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.66 | 10.12 | 1.646 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.53 | 3.27 | 0.774 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.19 | 10.12 | 1.007 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.68 | 3.27 | 0.514 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.88 | 4.55 | 1.073 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.72 | 10.12 | 1.553 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.13 | 3.27 | 0.651 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.90 | 4.55 | 1.736 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.88 | 3.27 | 0.881 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.45 | 4.55 | 1.198 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.31 | 3.27 | 0.706 | ok | 0.704 | 0.644-0.764 |
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.60 | 3.27 | 1.101 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.43 | 10.12 | 1.228 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.31 | 10.12 | 0.228 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 86358 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 435174 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 379594 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.10 | 3.27 | 0.642 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.31 | 10.12 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.74 | 3.27 | 0.532 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.24 | 4.55 | 1.152 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.35 | 3.27 | 1.024 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.29 | 10.12 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.73 | 10.12 | 1.258 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.59 | 3.27 | 1.098 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 83993 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 426374 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 372534 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.06 | 3.27 | 0.630 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.22 | 4.55 | 1.147 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.22 | 4.55 | 1.367 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.12 | 1.513 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81591 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 417480 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 367012 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.13 | 4.55 | 1.787 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.21 | 4.55 | 1.145 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.64 | 3.27 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.88 | 4.55 | 1.732 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.20 | 4.55 | 1.363 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.44 | 3.27 | 0.746 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.18 | 3.27 | 0.667 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 79966 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410941 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 362110 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.16 | 4.55 | 1.134 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.86 | 4.55 | 1.727 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.22 | 3.27 | 0.679 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.43 | 3.27 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81466 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410025 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 361102 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.15 | 4.55 | 1.132 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.42 | 3.27 | 0.740 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 76492 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 388370 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 349697 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.12 | 1.367 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.12 | 1.685 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.12 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.12 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78951 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 399337 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 358279 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.13 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.13 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.13 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.13 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 77284 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 380992 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 341287 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.84 | 10.13 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.35 | 3.27 | 1.024 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.97 | 10.13 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.86 | 4.55 | 1.068 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.76 | 10.13 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.46 | 10.13 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78494 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 389657 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 345790 | ok | 359712 | 215827-503597 |

# Surrogate Recovery Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| JE2490-1 | 5W55790.D | 113 |
| JE2490-1 | 5W55830.D | 112 |
| JE2490-2 | 5W55792.D | 111 |
| JE2490-2 | 5W55791.D | 113 |
| JE2490-3 | 5W55793.D | 118 |
| JE2490-4 | 5W55721.D | 110 |
| JE2490-4 | 5W55794.D | 109 |
| JE2315-1DUP | 5W55826.D | 109 |
| JE2488-2DUP | 5W55717.D | 106 |
| JE2665-1DUP | 5W55785.D | 113 |
| V5W2133-BS | 5W55701.D | 100 |
| V5W2133-BSD | 5W55703.D | 99 |
| V5W2133-MB | 5W55706.D | 110 |
| V5W2136-BS | 5W55779.D | 101 |
| V5W2136-BSD | 5W55781.D | 99 |
| V5W2136-MB | 5W55783.D | 111 |
| V5W2138-BS | 5W55820.D | 101 |
| V5W2138-BSD | 5W55821.D | 100 |
| V5W2138-MB | 5W55823.D | 109 |
| V7W387-SCC | 7W10605.D | 85 |
| V7W387-BS | 7W10577.D | 93 |
| V7W387-BSD | 7W10578.D | 94 |
| V7W387-MB | 7W10580.D | 88 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = 4-Bromofluorobenzene | 65-128% |

# Initial Calibration Summary



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICC2125
**Lab FileID:** 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.494 | 1.548 | 1.299 | 1.657 | 0.642 | 1.669 | 1.274 | | | 1.369 | 26.06 |
| 3) FREON 152A | 0.717 | 0.684 | 0.712 | 0.756 | 0.789 | 0.758 | 0.757 | 0.760 | 0.726 | 0.740 | 4.36 |
| 4) CHLORODIFLUOROMETHANE | 0.279 | 0.341 | 0.371 | 0.394 | 0.410 | 0.406 | 0.414 | 0.428 | 0.410 | 0.384 | 12.27 |
| 5) CHLOROTRIFLUOROETHENE | 1.677 | 1.542 | 1.642 | 1.717 | 1.772 | 1.742 | 1.780 | 1.866 | 1.846 | 1.732 | 5.86 |
| 6) DICHLORODIFLUOROMETHANE | 3.513 | 3.536 | 3.550 | 3.840 | 3.911 | 3.777 | 3.705 | 3.640 | 3.418 | 3.654 | 4.52 |
| 7) PROPYLENE | 1.224 | 1.033 | 0.862 | 0.907 | 0.898 | 0.861 | 0.861 | 0.849 | 0.788 | 0.920 | 14.31 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.008 | 3.852 | 3.920 | 4.118 | 4.140 | 3.754 | 3.537 | 3.345 | 3.006 | 3.742 | 10.16 |
| 9) FREON 114 | 4.598 | 4.822 | 4.882 | 5.183 | 5.093 | 4.507 | 4.151 | 3.758 | 3.349 | 4.483 | 13.82 |
| 10) CHLOROMETHANE | 0.398 | 0.543 | 0.544 | 0.546 | 0.525 | 0.463 | 0.435 | 0.413 | 0.375 | 0.471 | 14.66 |
| 11) VINYL CHLORIDE | 1.756 | 1.727 | 1.812 | 1.894 | 1.887 | 1.639 | 1.511 | 1.406 | 1.304 | 1.659 | 12.74 |
| 12) 1,3-BUTADIENE | 1.420 | 1.134 | 1.171 | 1.246 | 1.221 | 1.066 | 0.996 | 0.917 | 0.850 | 1.114 | 15.90 |
| 13) n-BUTANE | 2.733 | 2.476 | 2.579 | 2.336 | 1.998 | 1.834 | 1.628 | 1.508 | | 2.136 | 21.46 |
| 14) BROMOMETHANE | 2.365 | 1.858 | 1.978 | 1.857 | 1.631 | 1.518 | 1.426 | 1.356 | | 1.749 | 19.11 |
| 15) CHLOROETHANE | 0.846 | 0.831 | 0.838 | 0.890 | 0.827 | 0.725 | 0.666 | 0.613 | 0.589 | 0.758 | 14.78 |
| 16) DICHLOROFLUOROMETHANE | 4.518 | 4.122 | 4.054 | 4.299 | 4.145 | 3.576 | 3.289 | 2.965 | 2.768 | 3.748 | 16.61 |
| 17) ACETONITRILE | 1.389 | 1.492 | 1.554 | 1.399 | 1.170 | 1.073 | 0.927 | 0.867 | | 1.234 | 21.21 |
| 18) ACROLEIN | 0.585 | 0.528 | 0.670 | 0.602 | 0.545 | 0.504 | 0.450 | 0.426 | | 0.539 | 14.94 |
| 19) FREON 123 | 4.363 | 4.195 | 4.097 | 4.417 | 4.204 | 3.644 | 3.338 | 2.930 | 2.766 | 3.773 | 16.67 |
| 20) FREON 123A | 2.136 | 2.135 | 2.173 | 2.278 | 2.198 | 1.969 | 1.835 | 1.696 | 1.633 | 2.006 | 11.66 |
| 21) TRICHLOROFLUOROMETHANE | 3.235 | 3.373 | 3.388 | 3.743 | 3.622 | 3.391 | 3.312 | 3.257 | 3.072 | 3.377 | 5.98 |
| 22) ISOPROPYL ALCOHOL | 2.807 | 2.426 | 2.240 | 1.968 | 2.127 | 2.047 | 1.877 | 1.627 | | 2.140 | 16.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

# Initial Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2490 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.550 | -13.2 | 101 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.662 | 10.5 | 95 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.376 | 2.1 | 100 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.640 | 5.3 | 102 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.452 | 5.5 | 99 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 0.715 | 22.3 | 90 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.499 | 6.5 | 101 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.285 | 4.4 | 103 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.409 | 13.2 | 96 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.513 | 8.8 | 100 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.994 | 10.8 | 101 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.839 | 13.9 | 100 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.560 | 10.8 | 104 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.680 | 10.3 | 102 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.432 | 8.4 | 104 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.102 | 10.7 | 102 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.535 | 0.7 | 106 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.394 | 10.0 | 101 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.773 | 11.6 | 98 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.288 | 2.6 | 105 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 1.917 | 10.4 | 98 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.603 | 25.3 | 101 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 0.903 | 15.1 | 91 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 2.883 | -2.3 | 106 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.010 | 3.5 | 102 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.051 | -0.8 | 104 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.618 | 21.2 | 85 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.474 | 1.1 | 105 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.581 | 30.7# | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 0.953 | 9.2 | 101 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.475 | 1.9 | 99 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.778 | -2.2 | 109 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.077 | 2.6 | 103 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.303 | -14.4 | 110 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 2.868 | -1.2 | 100 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.474 | -9.2 | 101 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.462 | 6.7 | 93 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.199 | -11.2 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 1.875 | 8.8 | 95 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.464 | -6.9 | 97 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.116 | 2.8 | 101 | 0.00 | 7.50 |

# Initial Calibration Verification

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.459 | 3.6 | 95 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.334 | -4.4 | 96 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 1.852 | 2.8 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.506 | 2.4 | 103 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.678 | 2.1 | 95 | 0.00 | 8.67 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.588 | 0.7 | 105 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.815 | -2.2 | 106 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.609 | 3.7 | 98 | 0.00 | 8.61 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.689 | 5.0 | 99 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.278 | -2.2 | 101 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.145 | 1.4 | 99 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.366 | 4.2 | 102 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.279 | 9.4 | 98 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.353 | 5.6 | 109 | 0.00 | 10.34 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.507 | -4.5 | 98 | 0.00 | 10.42 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.656 | 1.6 | 101 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.060 | 3.7 | 95 | 0.00 | 10.69 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 105 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.358 | 6.8 | 93 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.246 | -2.1 | 98 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.207 | -1.0 | 97 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.452 | 3.2 | 94 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.517 | -2.0 | 101 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.442 | 0.9 | 100 | 0.00 | 13.01 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.457 | -6.3 | 99 | 0.00 | 12.41 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.292 | 4.6 | 100 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.552 | -16.9 | 97 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.833 | -20.5 | 102 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.683 | -4.6 | 108 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.276 | -20.2 | 107 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.966 | -9.6 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.935 | -6.5 | 93 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.802 | -9.4 | 106 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.323 | -2.8 | 103 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 2.064 | -11.9 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.808 | -15.4 | 103 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.778 | -14.6 | 102 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.179 | -21.0 | 102 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 0.971 | -5.9 | 93 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.261 | -16.0 | 106 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.167 | -4.3 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.407 | -3.1 | 99 | 0.00 | 16.91 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.011 | -2.5 | 100 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.353 | -12.0 | 104 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.216 | -2.4 | 101 | 0.00 | 17.91 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.618 | -17.5 | 107 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.636 | -19.3 | 105 | 0.00 | 18.64 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.292 | -18.2 | 102 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.939 | -17.0 | 102 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 1.017 | -13.6 | 105 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.426 | -17.7 | 107 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 2.096 | -20.5 | 103 | 0.00 | 19.63 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.565 | -14.3 | 105 | 0.00 | 19.82 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.201 | -18.0 | 105 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.435 | -12.3 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.513 | -18.8 | 106 | 0.00 | 20.02 |

# Initial Calibration Verification

**Job Number:** JE2490 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.098 | -18.8 | 104 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.615 | -21.3 | 108 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.380 | -11.0 | 106 | 0.00 | 20.41 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.577 | -23.6 | 105 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.978 | -12.4 | 99 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.383 | -18.3 | 107 | 0.00 | 23.37 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.294 | -16.9 | 111 | 0.00 | 23.22 |
| 108 | | NAPHTHALENE | 2.431 | 3.137 | -29.0 | 113 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 6.032 | 22.9 | 93 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

# Continuing Calibration Summary



**Job Number:** JE2490 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.616 | -18.0 | 81 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.821 | -10.9 | 91 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.465 | -21.1 | 96 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.629 | 5.9 | 78 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.113 | -12.6 | 91 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.032 | -12.2 | 100 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.360 | -16.5 | 97 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.805 | -7.2 | 89 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.474 | -0.6 | 86 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.714 | -3.3 | 87 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.073 | 3.7 | 84 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.200 | -3.0 | 92 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.690 | 3.4 | 87 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.740 | 2.4 | 85 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.935 | -5.0 | 92 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.331 | -7.9 | 95 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.585 | -8.5 | 90 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.021 | -6.6 | 92 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.013 | -0.3 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.683 | -9.1 | 91 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.334 | -9.1 | 92 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.651 | 19.3 | 84 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.238 | -16.5 | 96 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.362 | -19.3 | 95 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.155 | -10.3 | 90 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.682 | -21.6 | 96 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.789 | -0.6 | 84 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.544 | -3.6 | 85 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.729 | 13.0 | 91 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.130 | -7.7 | 93 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.599 | -23.8 | 96 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.151 | -23.6 | 102 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.218 | -10.1 | 90 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.534 | -25.9 | 93 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.531 | -24.6 | 95 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.582 | -34.1# | 95 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.867 | -19.1 | 92 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.213 | -19.0 | 89 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.409 | -17.2 | 94 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.591 | -36.2# | 95 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.282 | -11.7 | 90 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.568 | -19.3 | 91 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.430 | -34.4# | 95 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.409 | -26.5 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.047 | -18.7 | 97 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.103 | -22.7 | 92 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.046 | -16.8 | 95 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.193 | -15.9 | 93 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.148 | -28.6 | 101 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 87 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.806 | -11.2 | 93 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.313 | -15.1 | 91 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 95 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.406 | -6.3 | 91 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.329 | -6.8 | 93 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.462 | -23.5 | 115 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.633 | -30.5# | 99 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.790 | -18.4 | 98 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.269 | -15.3 | 92 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.189 | -11.8 | 90 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.476 | -24.0 | 100 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.303 | -25.7 | 97 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.248 | -21.0 | 93 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 96 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.551 | -8.7 | 87 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.516 | -15.7 | 94 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.542 | -26.0 | 95 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.338 | -10.5 | 94 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.575 | -21.8 | 92 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.859 | -24.3 | 96 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.715 | -9.5 | 103 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.099 | -3.5 | 84 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.901 | -2.3 | 87 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.107 | -26.1 | 101 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.698 | 4.8 | 84 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.199 | 6.8 | 85 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.000 | -8.5 | 89 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.722 | -3.1 | 84 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.712 | -4.9 | 85 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.083 | -11.2 | 85 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.169 | -27.5 | 102 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.501 | -38.1# | 115 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.131 | -1.1 | 94 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.454 | -6.5 | 93 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.059 | -7.4 | 95 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.126 | -1.2 | 85 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.257 | -5.9 | 95 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.529 | -0.6 | 84 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.549 | -3.0 | 82 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.116 | -9.1 | 86 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.768 | -6.7 | 85 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.874 | 2.3 | 82 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.355 | 1.9 | 81 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.921 | -10.5 | 86 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.467 | -7.2 | 90 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.070 | -10.9 | 90 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.361 | -6.5 | 91 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.431 | 0.2 | 81 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.920 | -8.7 | 86 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.506 | 0.2 | 81 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.301 | -4.7 | 91 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.491 | -5.1 | 82 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.996 | -14.5 | 92 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.903 | -62.8# | 134 | 0.00 | 23.36 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.545 | -39.6# | 120 | 0.00 | 23.21 |
| 108 | | NAPHTHALENE | 2.431 | 2.518 | -3.6 | 83 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.146 | -4.1 | 97 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

# Continuing Calibration Summary



**Job Number:** JE2490 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.829 | -33.6# | 103 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.932 | -25.9 | 116 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.479 | -24.7 | 111 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.952 | -12.7 | 105 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.366 | -19.5 | 109 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.099 | -19.5 | 120 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.584 | 4.2 | 90 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.024 | 10.2 | 84 | 0.00 | 3.85 |
| 10 | CHLOROMETHANE | 0.471 | 0.387 | 17.8 | 79 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.396 | 15.9 | 80 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.866 | 22.3 | 76 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.749 | 18.1 | 82 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.427 | 18.4 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.620 | 18.2 | 80 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.212 | 14.3 | 84 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.053 | 14.7 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.472 | 12.4 | 81 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.371 | 10.7 | 87 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.770 | 11.8 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.737 | -10.7 | 104 | 0.00 | 4.95 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.377 | -11.1 | 105 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.548 | 32.1# | 79 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.235 | -16.2 | 108 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.398 | -20.6 | 108 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.167 | -11.5 | 103 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.654 | -20.7 | 108 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.638 | 18.6 | 77 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.362 | 8.6 | 84 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.730 | 12.9 | 102 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.120 | -6.8 | 103 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.603 | -24.6 | 109 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.168 | -24.6 | 115 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.253 | -13.3 | 104 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.456 | -22.0 | 102 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.568 | -25.9 | 108 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.590 | -35.9# | 109 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.823 | -16.3 | 101 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.228 | -27.4 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.378 | -15.7 | 105 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.587 | -35.3# | 106 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.297 | -13.0 | 102 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.554 | -16.4 | 100 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.422 | -31.9# | 105 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.323 | -21.9 | 105 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.017 | -17.5 | 108 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.099 | -22.5 | 104 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.007 | -15.3 | 106 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.201 | -16.2 | 104 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.039 | -22.1 | 108 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.830 | -14.5 | 107 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.322 | -18.4 | 104 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.178 | -21.1 | 110 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.410 | -7.3 | 103 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.331 | -7.5 | 104 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.489 | -30.7# | 136 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.624 | -28.7 | 108 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.781 | -17.1 | 108 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.253 | -13.8 | 101 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.194 | -14.8 | 103 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.465 | -21.1 | 109 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.301 | -24.9 | 107 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.245 | -19.5 | 103 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.577 | -23.6 | 108 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.570 | -12.4 | 100 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.527 | -18.2 | 107 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.552 | -28.4 | 108 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.342 | -11.8 | 106 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.590 | -25.0 | 102 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.888 | -28.5 | 107 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.765 | -17.2 | 119 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.166 | -9.8 | 96 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.954 | -8.3 | 100 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.110 | -26.4 | 109 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.745 | -1.6 | 97 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.273 | 1.1 | 97 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.107 | -14.3 | 102 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.767 | -9.6 | 96 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.738 | -8.7 | 95 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.159 | -19.0 | 98 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.158 | -26.3 | 109 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.585 | -45.8# | 131 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.126 | -0.6 | 101 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.462 | -7.1 | 101 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.085 | -10.0 | 106 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.267 | -7.9 | 98 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.300 | -9.5 | 106 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.579 | -10.1 | 99 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.597 | -12.0 | 97 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.252 | -16.1 | 99 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.875 | -13.2 | 97 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.944 | -5.5 | 95 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.386 | -6.6 | 95 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.990 | -14.4 | 96 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.526 | -11.5 | 101 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.075 | -11.2 | 97 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.443 | -12.9 | 104 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.467 | -8.1 | 95 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.014 | -14.0 | 98 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.547 | -7.9 | 95 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.375 | -10.6 | 104 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.543 | -16.3 | 97 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 1.021 | -17.4 | 102 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.077 | -77.7# | 158# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.741 | -57.3# | 146# | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.784 | -14.5 | 99 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.982 | -2.0 | 107 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

# Continuing Calibration Summary



**Job Number:** JE2490 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.576 | -15.1 | 73 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.755 | -2.0 | 77 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.424 | -10.4 | 81 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.650 | 4.7 | 73 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.849 | -5.3 | 79 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.899 | 2.3 | 81 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.017 | -7.3 | 83 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.880 | -8.9 | 84 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.457 | 3.0 | 77 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.758 | -6.0 | 83 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.101 | 1.2 | 80 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.183 | -2.2 | 85 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.720 | 1.7 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.767 | -1.2 | 82 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.850 | -2.7 | 83 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.281 | -3.8 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.573 | -6.3 | 82 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.934 | -4.3 | 84 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.004 | 0.1 | 79 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.559 | -5.4 | 81 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.115 | 1.2 | 77 | -0.01 | 5.02 |
| 23 | ACETONE | 0.807 | 0.643 | 20.3 | 77 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.069 | -0.6 | 77 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.248 | -15.3 | 85 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.054 | -0.7 | 77 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.246 | -7.2 | 79 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.816 | -4.1 | 81 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.553 | -4.2 | 79 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.640 | 23.6 | 74 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.011 | 3.6 | 77 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.533 | -10.1 | 79 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.113 | -21.4 | 93 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.113 | -0.6 | 76 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.233 | -10.9 | 76 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.237 | -14.2 | 81 | -0.01 | 6.70 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.537 | -23.7 | 82 | -0.01 | 8.23 |
| 38 | HEXANE | 1.567 | 1.618 | -3.3 | 74 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.207 | -15.6 | 80 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.126 | -3.4 | 77 | 0.00 | 6.64 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.541 | -24.7 | 81 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.169 | -1.8 | 76 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.509 | -6.9 | 76 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.366 | -14.4 | 75 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.072 | -8.8 | 78 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.723 | -6.1 | 80 | 0.00 | 7.80 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.853 | -8.1 | 75 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.720 | -4.3 | 79 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.922 | -6.1 | 79 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.865 | -11.7 | 82 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 81 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.750 | -3.4 | 80 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.299 | -9.9 | 80 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.161 | -9.5 | 82 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.378 | 1.0 | 78 | -0.01 | 10.64 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.300 | 2.6 | 78 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.481 | -28.6 | 111 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.554 | -14.2 | 80 | -0.01 | 10.40 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.711 | -6.6 | 82 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.115 | -1.3 | 74 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 78 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.419 | -9.1 | 81 | 0.00 | 11.02 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.280 | -16.2 | 83 | 0.00 | 10.93 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.226 | -10.2 | 79 | -0.01 | 11.78 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.529 | -13.3 | 82 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.535 | -5.5 | 78 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.477 | -7.0 | 80 | -0.01 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.501 | -16.5 | 81 | -0.01 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.311 | -1.6 | 80 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.549 | -16.3 | 78 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.834 | -20.7 | 83 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.781 | -19.6 | 100 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.117 | -5.2 | 76 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.882 | -0.1 | 76 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.021 | -16.3 | 82 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.695 | 5.2 | 75 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.192 | 7.4 | 75 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 1.956 | -6.1 | 78 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.737 | -5.3 | 76 | -0.02 | 16.21 |
| 81 | | o-XYLENE | 0.679 | 0.710 | -4.6 | 75 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.094 | -12.3 | 76 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.065 | -16.1 | 83 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.581 | -45.4# | 107 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.122 | -0.3 | 83 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.359 | 0.4 | 77 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.985 | 0.1 | 79 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.132 | -1.5 | 76 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.198 | -0.9 | 81 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.533 | -1.3 | 75 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.564 | -5.8 | 75 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.118 | -9.2 | 76 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.783 | -7.6 | 76 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.906 | -1.2 | 75 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.384 | -6.1 | 78 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.930 | -11.0 | 77 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.513 | -10.5 | 83 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.983 | -6.3 | 76 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.411 | -10.4 | 84 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.464 | -7.4 | 78 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.932 | -9.4 | 77 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.543 | -7.1 | 77 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.346 | -8.3 | 84 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.532 | -13.9 | 79 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.986 | -13.3 | 81 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.195 | -87.8# | 138 | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.801 | -62.7# | 125 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.697 | -10.9 | 79 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.142 | 8.8 | 79 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

# Initial Calibration Summary



**Job Number:** JE2490 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.410 | 1.323 | 1.332 | 1.370 | 0.628 | 1.427 | 1.321 | 1.450 | | 1.282 | 20.97 |
| 3) FREON 152A | 0.766 | 0.691 | 0.666 | 0.702 | 0.665 | 0.692 | 0.673 | 0.681 | 0.695 | 0.692 | 4.39 |
| 4) CHLORODIFLUOROMETHANE | 0.341 | 0.319 | 0.348 | 0.350 | 0.313 | 0.337 | 0.326 | 0.329 | 0.340 | 0.334 | 3.87 |
| 5) CHLOROTRIFLUOROETHENE | 1.776 | 1.676 | 1.535 | 1.621 | 1.510 | 1.603 | 1.570 | 1.636 | 1.676 | 1.623 | 5.00 |
| 6) DICHLORODIFLUOROMETHANE | 3.889 | 3.781 | 3.954 | 3.963 | 3.920 | 4.135 | 4.066 | 4.167 | 4.214 | 4.010 | 3.59 |
| 7) PROPYLENE | 1.094 | 1.136 | 0.965 | 0.913 | 0.864 | 0.902 | 0.889 | 0.913 | 0.948 | 0.958 | 9.85 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 3.272 | 3.202 | 3.328 | 3.433 | 3.252 | 3.450 | 3.399 | 3.437 | 3.443 | 3.357 | 2.85 |
| 9) FREON 114 | 3.127 | 3.393 | 3.214 | 3.441 | 3.334 | 3.519 | 3.484 | 3.579 | 3.609 | 3.411 | 4.77 |
| 10) CHLOROMETHANE | 0.752 | 0.540 | 0.501 | 0.489 | 0.467 | 0.488 | 0.475 | 0.483 | 0.479 | 0.519 | 17.25 |
| 11) VINYL CHLORIDE | 1.748 | 1.508 | 1.584 | 1.620 | 1.573 | 1.612 | 1.570 | 1.583 | 1.572 | 1.597 | 4.07 |
| 12) 1,3-BUTADIENE | 1.426 | 1.317 | 1.348 | 1.274 | 1.229 | 1.296 | 1.252 | 1.268 | 1.275 | 1.298 | 4.56 |
| 13) N-BUTANE | 2.469 | 2.388 | 2.309 | 2.447 | 2.292 | 2.405 | 2.323 | 2.351 | 2.355 | 2.371 | 2.58 |
| 14) BROMOMETHANE | 1.376 | 1.314 | 1.295 | 1.306 | 1.211 | 1.264 | 1.230 | 1.248 | 1.248 | 1.277 | 3.98 |
| 15) CHLOROETHANE | 0.821 | 0.738 | 0.826 | 0.853 | 0.820 | 0.839 | 0.821 | 0.826 | 0.817 | 0.818 | 3.91 |
| 16) DICHLOROFLUOROMETHANE | 2.969 | 2.937 | 3.144 | 3.211 | 3.077 | 3.224 | 3.132 | 3.217 | 3.219 | 3.126 | 3.52 |
| 17) ACETONITRILE | 1.809 | 1.911 | 1.622 | 1.405 | 1.433 | 1.401 | 1.424 | 1.414 | | 1.552 | 13.19 |
| 18) ACROLEIN | 0.969 | 0.801 | 0.726 | 0.727 | 0.762 | 0.739 | 0.754 | 0.758 | | 0.779 | 10.32 |
| 19) FREON 123 | 3.302 | 2.915 | 3.162 | 3.138 | 3.083 | 3.234 | 3.174 | 3.273 | 3.305 | 3.176 | 3.92 |
| 20) FREON 123A | 1.695 | 1.757 | 1.752 | 1.832 | 1.796 | 1.886 | 1.860 | 1.906 | 1.913 | 1.822 | 4.21 |
| 21) TRICHLOROFLUOROMETHANE | 3.507 | 3.486 | 3.424 | 3.639 | 3.527 | 3.726 | 3.643 | 3.717 | 3.694 | 3.596 | 3.10 |
| 22) ISOPROPYL ALCOHOL | 4.381 | 3.891 | 3.555 | 3.314 | 2.991 | 3.250 | 3.022 | 3.012 | 3.067 | 3.387 | 14.11 |
| 23) ACETONE | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.285 | 0.991 | 0.851 | 0.841 | 0.818 | 0.841 | 0.836 | 0.923 | 18.38 |
| 24) | PENTANE | | | | | | | | | | |
| | | 2.149 | 1.846 | 1.699 | 1.714 | 1.614 | 1.648 | 1.601 | 1.606 | 1.607 | 1.720 | 10.40 |
| 25) | IODOMETHANE | | | | | | | | | | |
| | | 2.782 | 2.914 | 3.026 | 3.144 | 3.102 | 3.247 | 3.191 | 3.256 | 3.255 | 3.102 | 5.37 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | |
| | | 1.339 | 1.349 | 1.334 | 1.339 | 1.302 | 1.359 | 1.329 | 1.342 | 1.349 | 1.338 | 1.21 |
| 27) | CARBON DISULFIDE | | | | | | | | | | |
| | | 3.488 | 3.732 | 3.787 | 3.791 | 3.810 | 4.022 | 4.015 | 4.214 | 4.238 | 3.900 | 6.23 |
| 28) | ETHANOL | | | | | | | | | | |
| | | 1.215 | 1.135 | 0.882 | 0.863 | 0.799 | 0.782 | 0.802 | 0.925 | 18.97 |
| 29) | BROMOETHENE | | | | | | | | | | |
| | | 1.229 | 1.137 | 1.176 | 1.238 | 1.187 | 1.262 | 1.245 | 1.256 | 1.261 | 1.221 | 3.63 |
| 30) | ACRYLONITRILE | | | | | | | | | | |
| | | 1.663 | 1.236 | 1.359 | 1.289 | 1.182 | 1.167 | 1.129 | 1.137 | 1.136 | 1.255 | 13.68 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | |
| | | 1.830 | 1.573 | 1.404 | 1.212 | 1.269 | 1.236 | 1.243 | 1.250 | 1.377 | 15.94 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | |
| | | 0.791 | 0.697 | 0.733 | 0.656 | 0.661 | 0.700 | 0.684 | 0.705 | 0.714 | 0.705 | 5.74 |
| 33) | FREON 113 | | | | | | | | | | |
| | | 1.953 | 2.006 | 2.100 | 2.122 | 2.068 | 2.169 | 2.152 | 2.189 | 2.196 | 2.106 | 3.98 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.439 | 1.274 | 1.263 | 1.355 | 1.236 | 1.309 | 1.280 | 1.290 | 1.299 | 1.305 | 4.60 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | |
| | | 3.331 | 3.384 | 3.189 | 3.305 | 2.885 | 3.383 | 3.211 | 3.229 | 3.343 | 3.251 | 4.78 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | |
| | | 3.163 | 3.190 | 3.191 | 3.189 | 3.103 | 3.315 | 3.318 | 3.482 | 3.557 | 3.279 | 4.70 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | |
| | | 0.452 | 0.624 | 0.640 | 0.618 | 0.634 | 0.666 | 0.655 | 0.666 | 0.667 | 0.625 | 10.78 |
| 38) | HEXANE | | | | | | | | | | |
| | | 3.362 | 2.615 | 2.581 | 2.590 | 2.513 | 2.671 | 2.671 | 2.777 | 2.784 | 2.729 | 9.28 |
| 39) | VINYL ACETATE | | | | | | | | | | |
| | | 0.272 | 0.260 | 0.243 | 0.276 | 0.304 | 0.324 | 0.351 | 0.358 | 0.298 | 14.25 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | |
| | | 2.584 | 2.330 | 2.424 | 2.438 | 2.346 | 2.451 | 2.406 | 2.454 | 2.453 | 2.432 | 3.01 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | |
| | | 0.587 | 0.696 | 0.659 | 0.674 | 0.645 | 0.676 | 0.667 | 0.688 | 0.695 | 0.665 | 5.07 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.410 | 1.399 | 1.355 | 1.426 | 1.322 | 1.389 | 1.356 | 1.395 | 1.404 | 1.384 | 2.37 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | |
| | | 0.558 | 0.733 | 0.632 | 0.706 | 0.701 | 0.744 | 0.754 | 0.779 | 0.785 | 0.710 | 10.38 |
| 44) | ETHYL ACETATE | | | | | | | | | | |
| | | 0.474 | 0.551 | 0.516 | 0.477 | 0.496 | 0.531 | 0.531 | 0.558 | 0.560 | 0.522 | 6.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | |
| | | 2.541 | 2.807 | 2.755 | 2.859 | 2.914 | 3.135 | 3.174 | 3.354 | 3.367 | 2.989 | 9.48 |
| 46) | CHLOROFORM | | | | | | | | | | |
| | | 2.646 | 2.807 | 2.779 | 2.816 | 2.689 | 2.876 | 2.826 | 2.888 | 2.865 | 2.799 | 2.96 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | |
| | | 2.729 | 3.054 | 2.793 | 2.988 | 2.813 | 2.955 | 2.896 | 3.028 | 3.020 | 2.920 | 4.02 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | |
| | | 2.474 | 2.500 | 2.353 | 2.453 | 2.343 | 2.561 | 2.618 | 2.798 | 2.832 | 2.548 | 6.87 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | |
| | | 2.051 | 2.325 | 2.277 | 2.344 | 2.366 | 2.602 | 2.682 | 2.902 | 2.961 | 2.501 | 12.18 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | |
| | | 1.957 | 2.162 | 2.154 | 2.195 | 2.048 | 2.139 | 2.092 | 2.177 | 2.182 | 2.123 | 3.66 |
| 51) | BENZENE | | | | | | | | | | |
| | | 4.645 | 4.341 | 4.061 | 4.092 | 3.835 | 3.998 | 3.955 | 4.074 | 4.073 | 4.119 | 5.80 |
| 52) | I 1,4-DIFLUOROBENZENE | ----------ISTD---------- | | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.369 | 0.346 | 0.343 | 0.352 | 0.340 | 0.351 | 0.349 | 0.367 | 0.363 | 0.353 | 2.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.170 | 0.164 | 0.179 | 0.182 | 0.179 | 0.185 | 0.183 | 0.193 | 0.193 | 0.181 | 5.20 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.398 | 0.396 | 0.357 | 0.373 | 0.365 | 0.380 | 0.376 | 0.401 | 0.401 | 0.383 | 4.32 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.333 | 0.350 | 0.324 | 0.336 | 0.327 | 0.347 | 0.336 | 0.359 | 0.356 | 0.341 | 3.70 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.338 | 0.344 | 0.317 | 0.319 | 0.303 | 0.314 | 0.308 | 0.326 | 0.325 | 0.321 | 4.17 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.690 | 0.695 | 0.682 | 0.662 | 0.696 | 0.748 | 0.759 | 0.821 | 0.830 | 0.731 | 8.42 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.513 | 0.538 | 0.542 | 0.547 | 0.578 | 0.618 | 0.621 | 0.666 | 0.668 | 0.588 | 9.80 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.621 | 1.605 | 1.636 | 1.614 | 1.577 | 1.612 | 1.580 | 1.672 | 1.650 | 1.619 | 1.91 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | | 0.177 | 0.255 | 0.238 | 0.213 | 0.206 | 0.190 | 0.198 | 0.201 | 0.210 | 12.16 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.586 | 0.559 | 0.576 | 0.557 | 0.538 | 0.559 | 0.559 | 0.593 | 0.587 | 0.568 | 3.21 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.303 | 0.292 | 0.300 | 0.280 | 0.291 | 0.307 | 0.310 | 0.335 | 0.335 | 0.306 | 6.10 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.397 | 0.363 | 0.379 | 0.349 | 0.335 | 0.331 | 0.323 | 0.339 | 0.333 | 0.350 | 7.08 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.352 | 0.383 | 0.374 | 0.375 | 0.419 | 0.463 | 0.487 | 0.537 | 0.541 | 0.437 | 16.64 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 1.112 | 1.040 | 1.039 | 1.032 | 1.007 | 1.061 | 1.057 | 1.119 | 1.108 | 1.064 | 3.76 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.501 | 0.487 | 0.509 | 0.512 | 0.507 | 0.534 | 0.536 | 0.565 | 0.553 | 0.523 | 4.98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | | 0.267 | 0.259 | 0.266 | 0.319 | 0.371 | 0.416 | 0.478 | 0.488 | 0.358 | 26.45 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.267 | 0.292 | 0.278 | 0.288 | 0.284 | 0.297 | 0.295 | 0.310 | 0.309 | 0.291 | 4.78 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.598 | 0.620 | 0.572 | 0.553 | 0.517 | 0.491 | 0.484 | 0.491 | 0.478 | 0.534 | 10.04 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.458 | 0.451 | 0.463 | 0.448 | 0.491 | 0.524 | 0.545 | 0.590 | 0.584 | 0.506 | 11.22 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.463 | 0.385 | 0.390 | 0.357 | 0.348 | 0.360 | 0.359 | 0.381 | 0.379 | 0.380 | 8.99 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.434 | 0.488 | 0.472 | 0.491 | 0.549 | 0.599 | 0.623 | 0.678 | 0.681 | 0.557 | 16.50 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.497 | 0.457 | 0.478 | 0.477 | 0.496 | 0.533 | 0.534 | 0.571 | 0.568 | 0.512 | 8.00 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 1.122 | 0.866 | 0.835 | 0.792 | 0.775 | 0.810 | 0.806 | 0.852 | 0.836 | 0.855 | 12.18 |
| 76) | I CHLOROBENZENE-D5 | ---------- | ISTD | ---------- | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.389 | 0.401 | 0.377 | 0.364 | 0.403 | 0.443 | 0.463 | 0.507 | 0.513 | 0.429 | 12.93 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.901 | 0.981 | 0.941 | 0.950 | 0.939 | 0.968 | 0.976 | 1.030 | 1.026 | 0.968 | 4.31 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.712 | 1.561 | 1.546 | 1.530 | 1.507 | 1.550 | 1.567 | 1.652 | 1.657 | 1.587 | 4.37 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 1.338 | 1.226 | 1.195 | 1.209 | 1.202 | 1.246 | 1.249 | 1.310 | 1.306 | 1.253 | 4.19 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 1.276 | 1.232 | 1.206 | 1.207 | 1.201 | 1.249 | 1.268 | 1.341 | 1.345 | 1.258 | 4.37 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.842 | 0.861 | 0.852 | 0.862 | 0.892 | 0.925 | 0.944 | 1.006 | 1.010 | 0.910 | 7.13 |
| 83) | NONANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2490 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

# Initial Calibration Verification



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.339 | -4.4 | 94 | 0.00 | 1.61 |
| 3 | T | FREON 152A | 0.692 | 0.659 | 4.8 | 95 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.311 | 6.9 | 92 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.535 | 5.4 | 95 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.114 | -2.6 | 99 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 0.844 | 11.9 | 93 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.483 | -3.8 | 101 | 0.00 | 1.72 |
| 9 | T | FREON 114 | 3.411 | 3.581 | -5.0 | 101 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.486 | 6.4 | 99 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.598 | -0.1 | 99 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.256 | 3.2 | 97 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.342 | 1.2 | 97 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.271 | 0.5 | 100 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.828 | -1.2 | 98 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.292 | -5.3 | 102 | 0.00 | 1.98 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 102 | 0.00 | 2.05 |
| 18 | T | ACROLEIN | 0.779 | 0.760 | 2.4 | 99 | 0.00 | 2.09 |
| 19 | T | FREON 123 | 3.176 | 3.121 | 1.7 | 96 | 0.00 | 2.10 |
| 20 | T | FREON 123A | 1.822 | 1.735 | 4.8 | 92 | 0.00 | 2.12 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.751 | -4.3 | 100 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.362 | 0.7 | 103 | 0.00 | 2.21 |
| 23 | T | ACETONE | 0.923 | 0.836 | 9.4 | 99 | 0.00 | 2.13 |
| 24 | T | PENTANE | 1.720 | 1.599 | 7.0 | 97 | 0.00 | 2.30 |
| 25 | T | IODOMETHANE | 3.102 | 3.305 | -6.5 | 101 | 0.00 | 2.36 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.386 | -3.6 | 102 | 0.00 | 2.39 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.327 | -10.9 | 107 | 0.00 | 2.52 |
| 28 | T | ETHANOL | 0.925 | 0.759 | 17.9 | 88 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.279 | -4.8 | 101 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.150 | 8.4 | 98 | 0.00 | 2.27 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.301 | 5.5 | 102 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.704 | 0.1 | 100 | 0.00 | 2.47 |
| 33 | T | FREON 113 | 2.106 | 2.269 | -7.7 | 104 | 0.00 | 2.52 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.340 | -2.7 | 102 | 0.00 | 2.75 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.902 | -20.0 | 115 | -0.01 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.328 | -1.5 | 100 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.640 | -2.4 | 96 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.432 | 10.9 | 91 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.318 | -6.7 | 104 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.353 | 3.2 | 96 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.636 | 4.4 | 94 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.344 | 2.9 | 96 | 0.00 | 3.19 |

# Initial Calibration Verification

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.699 | 1.5 | 94 | 0.00 | 3.32 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.486 | 6.9 | 91 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 2.977 | 0.4 | 95 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.786 | 0.5 | 97 | 0.00 | 3.34 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 2.738 | 6.2 | 92 | 0.00 | 3.83 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.487 | 2.4 | 97 | 0.00 | 3.91 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.437 | 2.6 | 93 | 0.00 | 4.33 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.036 | 4.1 | 95 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 3.772 | 8.4 | 94 | 0.00 | 4.22 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.339 | 4.0 | 94 | 0.00 | 4.43 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.178 | 1.7 | 94 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.371 | 3.1 | 96 | 0.00 | 5.12 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.332 | 2.6 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.315 | 1.9 | 98 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.731 | 0.0 | 96 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.601 | -2.2 | 95 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.510 | 6.7 | 92 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.196 | 6.7 | 93 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.517 | 9.0 | 90 | 0.00 | 5.53 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.302 | 1.3 | 96 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.313 | 10.6 | 92 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.425 | 2.7 | 90 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.019 | 4.2 | 94 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.366 | -2.2 | 97 | 0.00 | 6.73 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.294 | -1.0 | 97 | 0.00 | 6.89 |
| 70 | T | 2-HEXANONE | 0.534 | 0.460 | 13.9 | 91 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.529 | -4.5 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 96 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.581 | -4.3 | 95 | 0.00 | 7.79 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.521 | -1.8 | 96 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.745 | 12.9 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.429 | 0.0 | 94 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.941 | 2.8 | 95 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.502 | 5.4 | 94 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.194 | 4.7 | 93 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.192 | 5.2 | 93 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.891 | 2.1 | 94 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.903 | 9.2 | 90 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.548 | -0.7 | 91 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.875 | 1.2 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 93 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.729 | 0.7 | 98 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.469 | 1.7 | 95 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.886 | 1.8 | 95 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.442 | -1.1 | 96 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.490 | 0.2 | 94 | 0.00 | 15.29 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.702 | 2.1 | 92 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.428 | 2.3 | 93 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.806 | -3.7 | 97 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.344 | 1.7 | 95 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.502 | 1.7 | 93 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.634 | -42.5# | 109 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.011 | 0.9 | 94 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.984 | 2.7 | 95 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.956 | 2.0 | 95 | 0.00 | 17.04 |

# Initial Calibration Verification

**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.444 | -0.9 | 95 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.505 | 2.7 | 94 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.494 | -0.6 | 95 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 94 | 0.00 | 17.43 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.465 | 1.7 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.720 | 1.9 | 98 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.928 | 5.0 | 95 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.550 | 0.2 | 103 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.972 | 8.1 | 97 | 0.00 | 2.30 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

6.9.7

6

# Continuing Calibration Summary



**Job Number:** JE2490 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 2 | T | FREON 115 | 1.282 | 1.751 | -36.6# | 98 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.896 | -29.5 | 103 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.350 | -4.8 | 82 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.974 | -21.6 | 98 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.006 | 0.1 | 77 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.105 | -15.3 | 97 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.741 | 18.3 | 63 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.281 | 3.8 | 74 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.443 | 14.6 | 72 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.580 | 1.1 | 78 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.191 | 8.2 | 73 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 1.995 | 15.9 | 66 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.238 | 3.1 | 78 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.842 | -2.9 | 80 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.996 | 4.2 | 74 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.302 | 16.1 | 72 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.718 | 7.8 | 75 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.134 | 1.3 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.837 | -0.8 | 77 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.386 | 5.8 | 72 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 2.874 | 15.1 | 70 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.893 | 3.3 | 84 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.489 | 13.4 | 72 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.311 | -6.7 | 81 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.303 | 2.6 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.511 | 10.0 | 69 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.784 | 15.2 | 72 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.289 | -5.6 | 81 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.082 | 13.8 | 74 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.185 | 13.9 | 74 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.629 | 10.8 | 71 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.070 | 1.7 | 76 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.420 | -8.8 | 86 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.965 | 8.8 | 70 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.620 | -10.4 | 87 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.712 | -13.9 | 85 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.946 | -8.0 | 88 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.338 | -13.4 | 88 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.846 | -17.0 | 92 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.744 | -11.9 | 87 | 0.00 | 3.01 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 84 | 0.01 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.812 | -14.4 | 87 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.572 | -9.6 | 86 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.335 | -11.6 | 85 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.797 | 0.1 | 77 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.308 | -13.3 | 89 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.738 | -7.5 | 85 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.867 | -14.6 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.055 | 3.2 | 76 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.293 | -4.2 | 85 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.358 | -1.4 | 84 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.191 | -5.5 | 85 | 0.00 | 4.70 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.372 | 2.9 | 80 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.375 | -10.0 | 89 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.325 | -1.2 | 85 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.786 | -7.5 | 86 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.602 | -2.4 | 80 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.727 | -6.7 | 88 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.202 | 3.8 | 81 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.573 | -0.9 | 84 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.321 | -4.9 | 86 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 84 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.496 | -13.5 | 88 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.020 | 4.1 | 79 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.516 | 1.3 | 79 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.429 | -19.8 | 95 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.296 | -1.7 | 82 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.484 | 9.4 | 81 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.537 | -6.1 | 84 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.381 | -0.3 | 87 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.600 | -7.7 | 82 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.520 | -1.6 | 80 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.790 | 7.6 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.459 | -7.0 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.879 | 9.2 | 76 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.418 | 10.6 | 76 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.118 | 10.8 | 75 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.118 | 11.1 | 75 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.860 | 5.5 | 77 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.887 | 10.9 | 75 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.598 | -9.9 | 85 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.832 | 6.1 | 76 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.649 | 9.4 | 74 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.681 | 7.2 | 78 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.439 | 8.0 | 76 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.818 | 9.3 | 75 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.402 | 8.0 | 75 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.459 | 6.5 | 76 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.624 | 6.6 | 75 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.314 | 10.1 | 73 | 0.00 | 15.99 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.701 | 9.8 | 72 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.319 | 8.9 | 76 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.357 | 11.2 | 72 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.850 | -91.0# | 125 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 76 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.931 | 7.9 | 77 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.892 | 8.6 | 76 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2490 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 75 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.334 | 13.8 | 71 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.444 | 9.6 | 73 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.445 | 8.8 | 73 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.499 | -5.5 | 85 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.703 | 4.2 | 82 | -0.01 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.850 | 13.0 | 74 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.975 | 22.7 | 68 | -0.01 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.045 | 18.8 | 68 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2125 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2125-BFB | 5W55458.D | 12/09/24 03:34 | n/a | BFB Tune |
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | n/a | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | n/a | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | n/a | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | n/a | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | n/a | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | n/a | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | n/a | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | n/a | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | n/a | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 13:55 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2133 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2133-BFB | 5W55699.D | 12/17/24 19:52 | n/a | BFB Tune |
| V5W2133-CC2125 | 5W55700.D | 12/17/24 20:32 | n/a | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 21:13 | n/a | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 22:35 | n/a | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 00:51 | n/a | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 01:36 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55708.D | 12/18/24 02:22 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 03:08 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55710.D | 12/18/24 03:55 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55711.D | 12/18/24 04:42 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 05:29 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 06:16 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 07:02 | n/a | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 08:40 | n/a | (used for QC only; not part of job JE2490) |
| JE2488-2DUP | 5W55717.D | 12/18/24 09:29 | n/a | Duplicate |
| JE2490-4 | 5W55721.D | 12/18/24 12:42 | n/a | IA-2 |
| ZZZZZZ | 5W55722.D | 12/18/24 13:30 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55723.D | 12/18/24 14:18 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55724.D | 12/18/24 14:59 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55725.D | 12/18/24 15:40 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2136 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2136-BFB | 5W55777.D | 12/20/24 12:26 | n/a | BFB Tune |
| V5W2136-CC2125 | 5W55778.D | 12/20/24 13:06 | n/a | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 13:55 | n/a | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 15:34 | n/a | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 17:06 | n/a | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 18:21 | n/a | (used for QC only; not part of job JE2490) |
| JE2665-1DUP | 5W55785.D | 12/20/24 19:03 | n/a | Duplicate |
| ZZZZZZ | 5W55786.D | 12/20/24 19:55 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55788.D | 12/20/24 21:22 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55789.D | 12/20/24 22:14 | n/a | (unrelated sample) |
| JE2490-1 | 5W55790.D | 12/20/24 22:55 | n/a | SS-1 |
| JE2490-2 | 5W55791.D | 12/20/24 23:46 | n/a | IA-1 |
| JE2490-2 | 5W55792.D | 12/21/24 00:26 | n/a | IA-1 |
| JE2490-3 | 5W55793.D | 12/21/24 01:09 | n/a | SS-2 |
| JE2490-4 | 5W55794.D | 12/21/24 01:49 | n/a | IA-2 |
| ZZZZZZ | 5W55795.D | 12/21/24 02:30 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55796.D | 12/21/24 03:11 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55797.D | 12/21/24 03:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55798.D | 12/21/24 04:35 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55799.D | 12/21/24 05:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 06:08 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2138 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2138-BFB | 5W55818.D | 12/23/24 08:13 | n/a | BFB Tune |
| V5W2138-CC2125 | 5W55819.D | 12/23/24 09:11 | n/a | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 10:07 | n/a | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 11:17 | n/a | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 12:54 | n/a | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 14:29 | n/a | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 15:24 | n/a | (used for QC only; not part of job JE2490) |
| JE2315-1DUP | 5W55826.D | 12/23/24 16:11 | n/a | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 16:52 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 17:34 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55829.D | 12/23/24 18:20 | n/a | (unrelated sample) |
| JE2490-1 | 5W55830.D | 12/23/24 19:01 | n/a | SS-1 |
| ZZZZZZ | 5W55831.D | 12/23/24 19:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 20:23 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 21:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 21:56 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 22:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 23:28 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 00:14 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 01:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 01:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 02:41 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W305 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W305-BFB | 7W07974.D | 08/18/24 21:06 | n/a | BFB Tune |
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | n/a | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | n/a | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | n/a | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | n/a | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | n/a | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | n/a | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | n/a | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | n/a | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | n/a | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 06:28 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2490
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W387 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W387-BFB | 7W10575.D | 11/18/24 08:59 | n/a | BFB Tune |
| V7W387-CC305 | 7W10576.D | 11/18/24 09:35 | n/a | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 10:11 | n/a | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 10:46 | n/a | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 12:04 | n/a | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 13:59 | n/a | (used for QC only; not part of job JE2490) |
| JD99820-1DUP | 7W10583.D | 11/18/24 14:40 | n/a | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 15:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 16:44 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 17:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 18:07 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 19:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 20:11 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 20:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 21:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 22:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 22:41 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 23:53 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 00:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 01:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 02:18 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 02:55 | n/a | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 03:31 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 04:07 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 04:48 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10606.D | 11/19/24 05:29 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 06:10 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 06:51 | n/a | (unrelated sample) |

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55790.D
Acq On : 20 Dec 2024 10:55 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2136,80,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 23 07:35:02 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

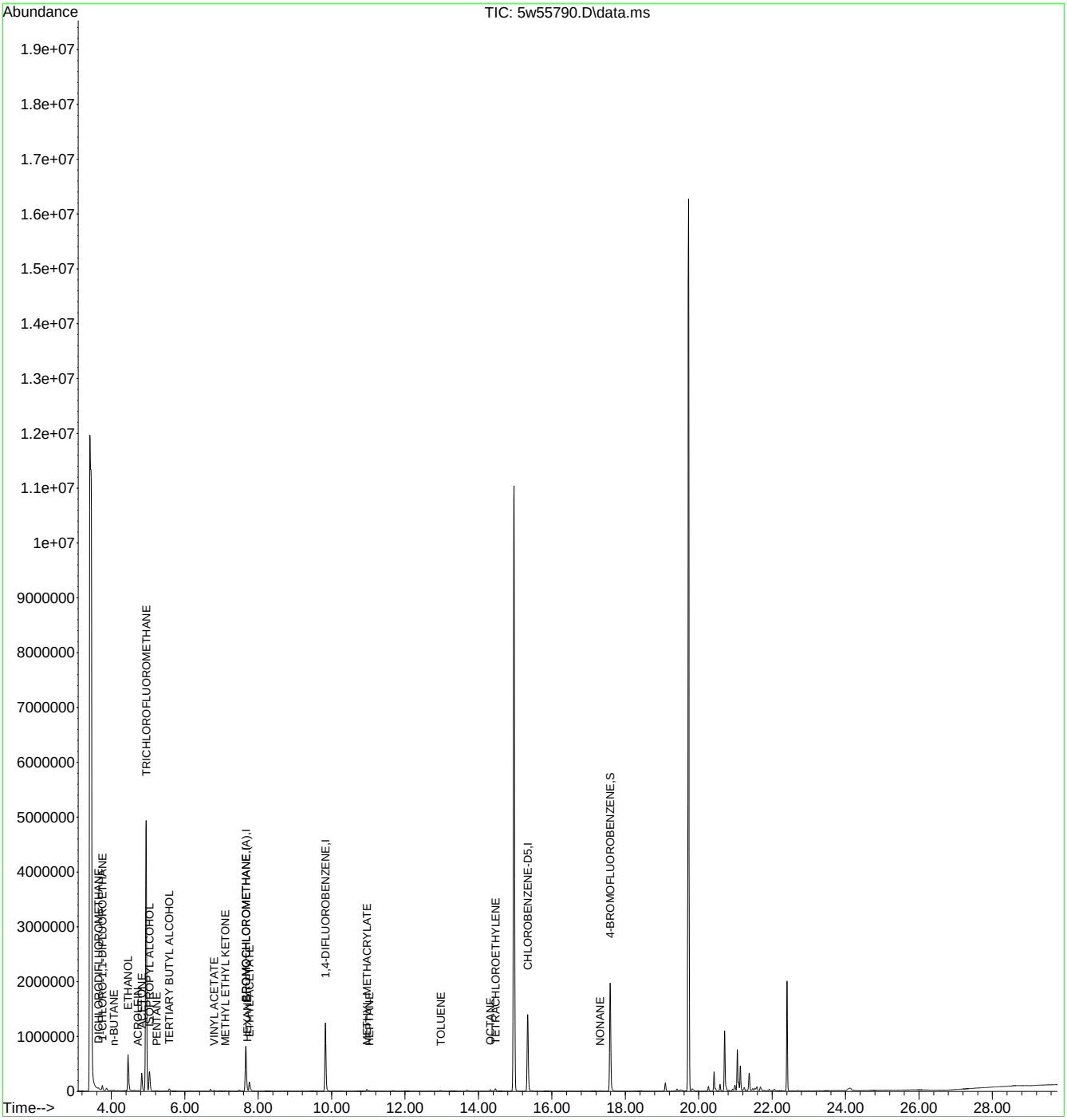
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 218794 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1076421 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 562673 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 218794 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 712748 | 11.32 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 113.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 19041 | 0.2381 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 73446 | 0.8970 | PPBV | 97 |
| 13) n-BUTANE | 4.066 | 43 | 9356 | 0.2002 | PPBV # | 90 |
| 18) ACROLEIN | 4.720 | 56 | 3218 | 0.2729 | PPBV | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 3928786 | 53.1712 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 508404 | 10.8595 | PPBV | 96 |
| 23) ACETONE | 4.824 | 58 | 112954 | 6.4009 | PPBV | 89 |
| 24) PENTANE | 5.234 | 42 | 3908 | 0.1680 | PPBV | 91 |
| 28) ETHANOL | 4.451 | 45 | 836494 | 48.7521 | PPBV | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.577 | 59 | 42589 | 0.9671 | PPBV | 84 |
| 38) HEXANE | 7.700 | 57 | 4331 | 0.1263 | PPBV | 84 |
| 39) VINYL ACETATE | 6.800 | 86 | 2575 | 0.6572 | PPBV # | 79 |
| 41) METHYL ETHYL KETONE | 7.100 | 72 | 4003 | 0.4218 | PPBV # | 76 |
| 44) ETHYL ACETATE | 7.761 | 61 | 32876 | 4.6959 | PPBV # | 74 |
| 62) HEPTANE | 11.028 | 43 | 4720 | 0.1141 | PPBV | 86 |
| 63) METHYL METHACRYLATE | 10.960 | 69 | 17890 | 0.6897 | PPBV # | 68 |
| 66) TOLUENE | 12.973 | 92 | 9407 | 0.1724 | PPBV | 95 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 13038 | 0.3548 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 21246 | 0.4299 | PPBV | 74 |
| 83) NONANE | 17.311 | 43 | 5975 | 0.1158 | PPBV # | 81 |

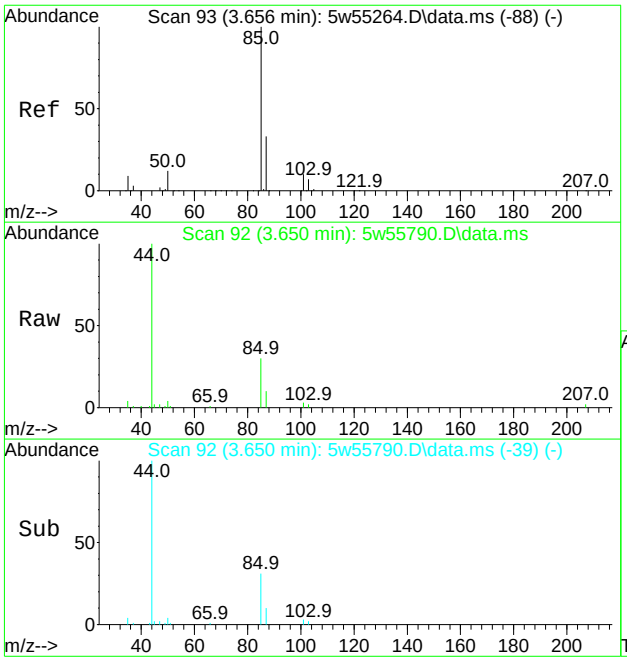
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55790.D
Acq On : 20 Dec 2024 10:55 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2136,80,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 23 07:35:02 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

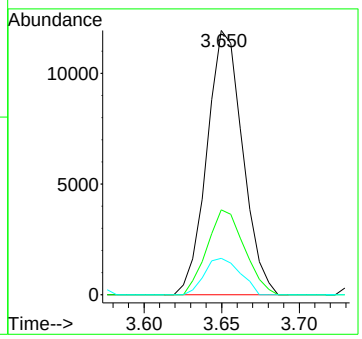


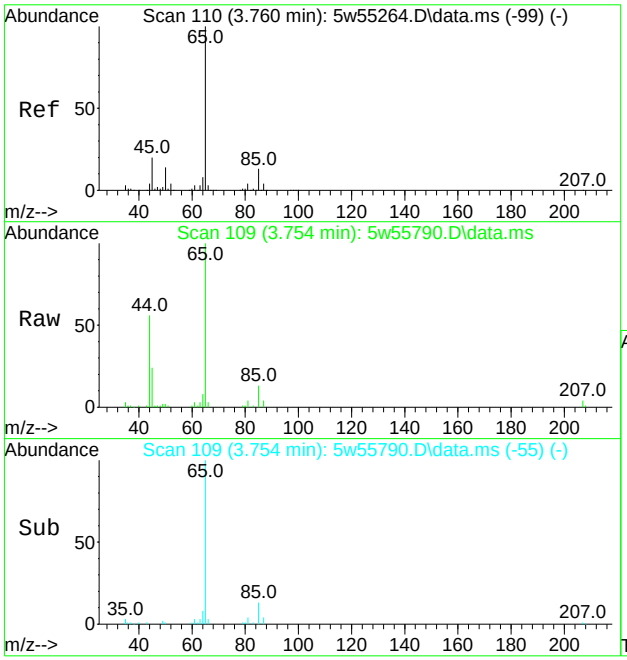



#6
DICHLORODIFLUOROMETHANE
Concen: 0.2381 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 85 Resp: 19041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 2.6 | 62.6 |
| 50 | 13.8 | 0.0 | 43.0 |

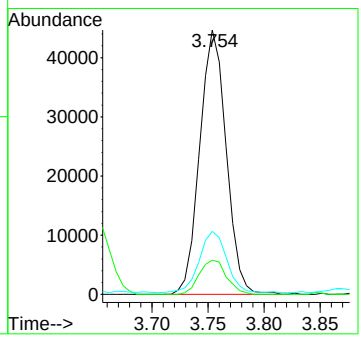


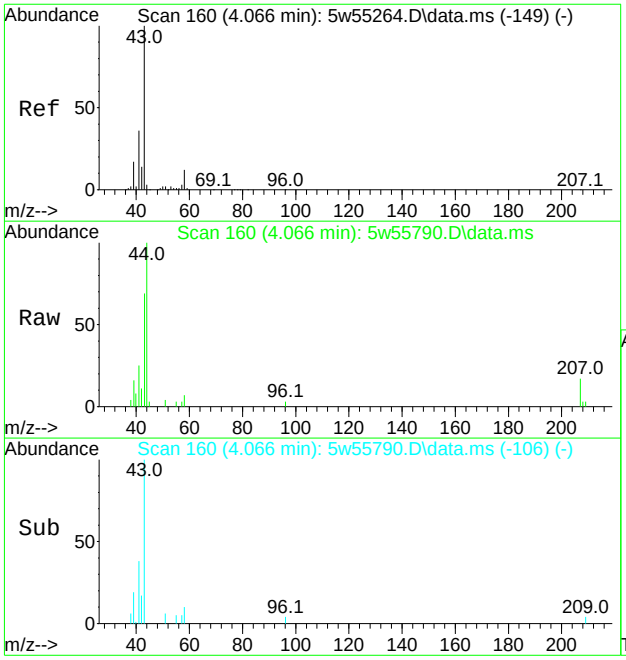




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.8970 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 65 Resp: 73446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.3 | 10.1 | 18.7 |
| 45 | 24.3 | 15.9 | 29.5 |

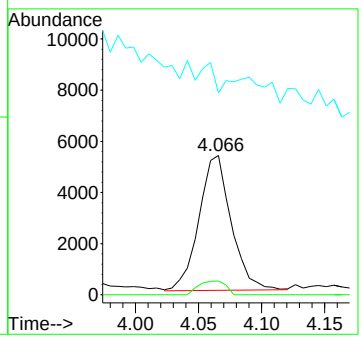


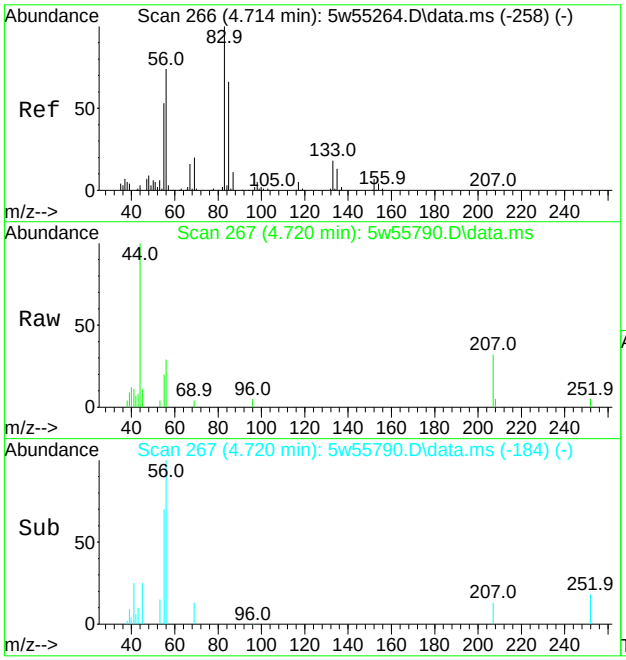



#13
n-BUTANE
Concen: 0.2002 PPBV
RT: 4.066 min Scan# 160
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 9356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 8.6 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

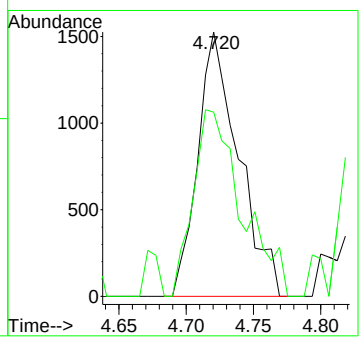


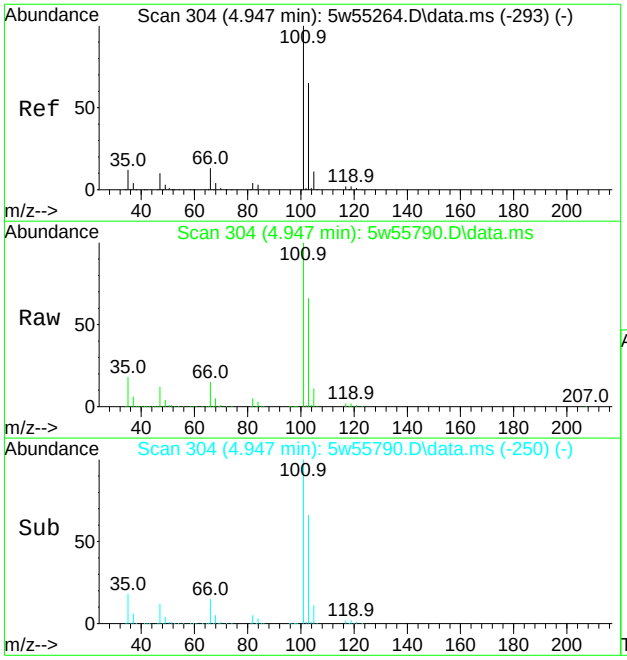




#18
ACROLEIN
Concen: 0.2729 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 56 Resp: 3218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 84.2 | 49.8 | 92.6 |

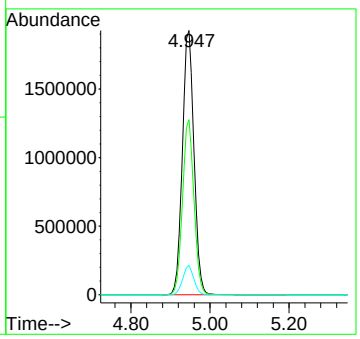


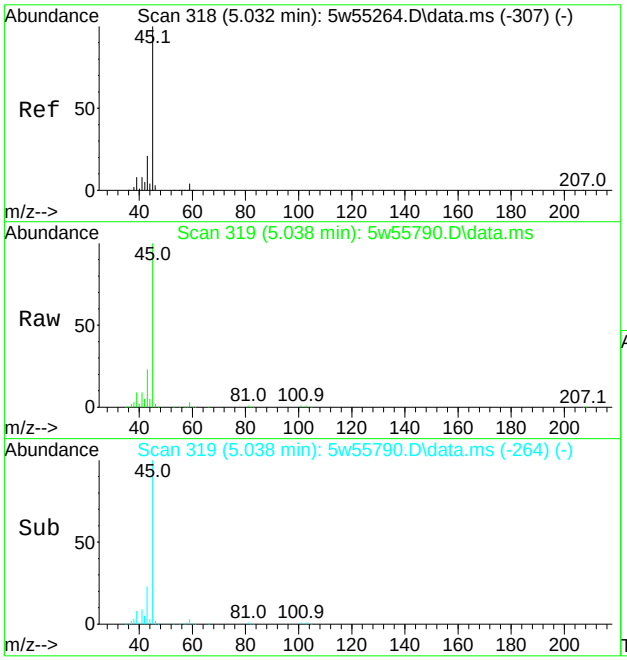



#21
TRICHLOROFLUOROMETHANE
Concen: 53.1712 PPBV
RT: 4.947 min Scan# 304
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion:101 Resp: 3928786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 34.7 | 94.7 |
| 105 | 10.7 | 0.0 | 40.5 |

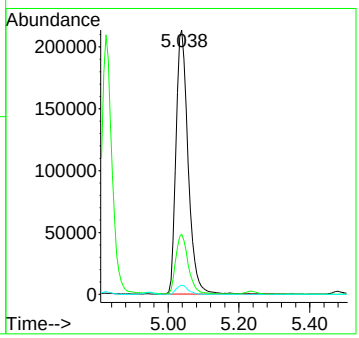


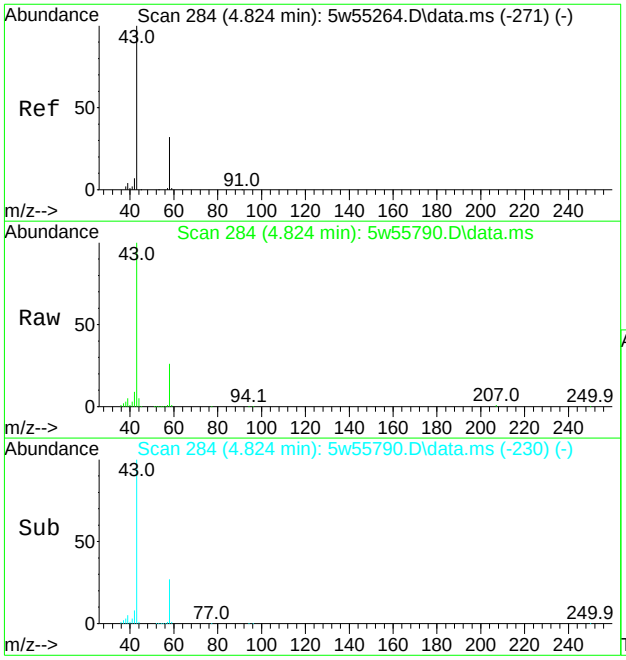




#22
ISOPROPYL ALCOHOL
Concen: 10.8595 PPBV
RT: 5.038 min Scan# 319
Delta R.T. 0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 45 Resp: 508404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.8 | 0.0 | 50.8 |
| 59 | 3.4 | 0.0 | 33.8 |

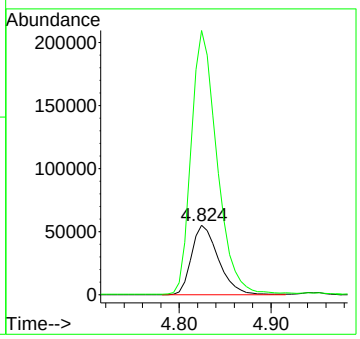


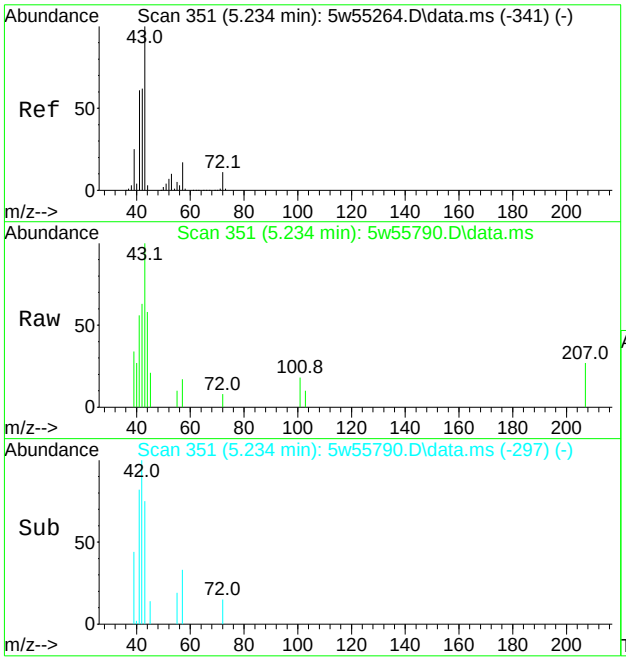



#23
ACETONE
Concen: 6.4009 PPBV
RT: 4.824 min Scan# 284
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 58 Resp: 112954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 365.0 | 312.3 | 372.3 |

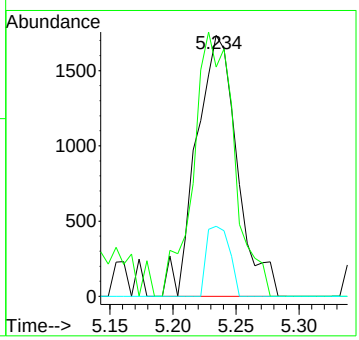


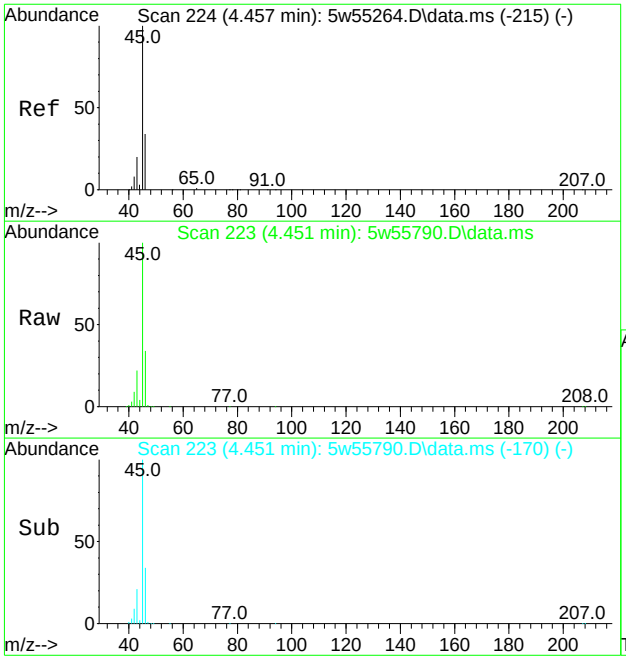




#24
PENTANE
Concen: 0.1680 PPBV
RT: 5.234 min Scan# 351
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 42 Resp: 3908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 100.8 | 64.4 | 124.4 |
| 57 | 15.1 | 0.0 | 55.0 |

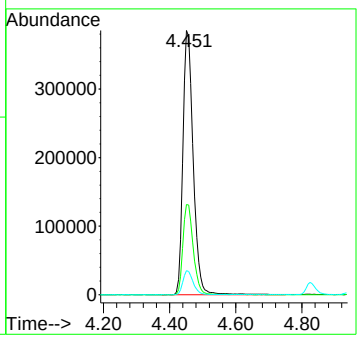


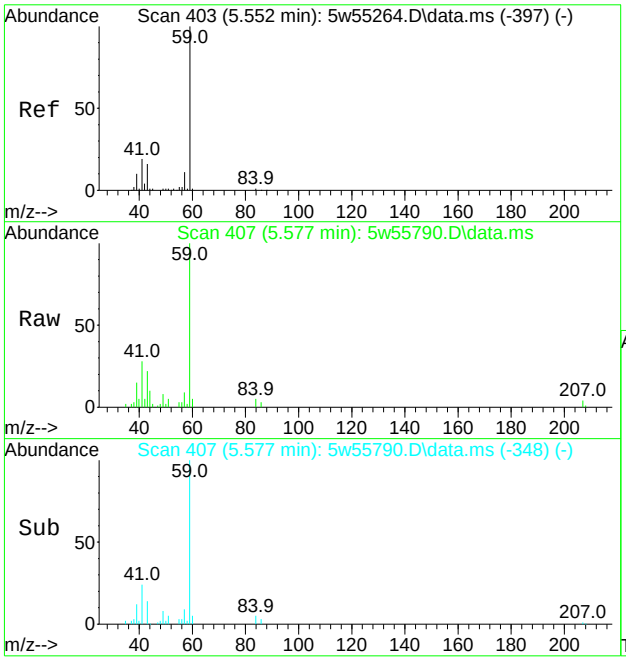



#28
ETHANOL
Concen: 48.7521 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 45 Resp: 836494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.5 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

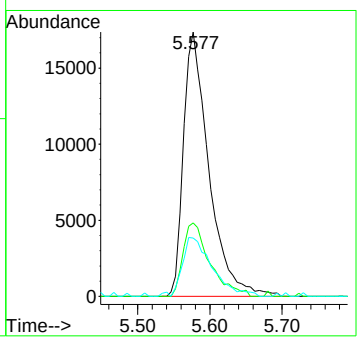


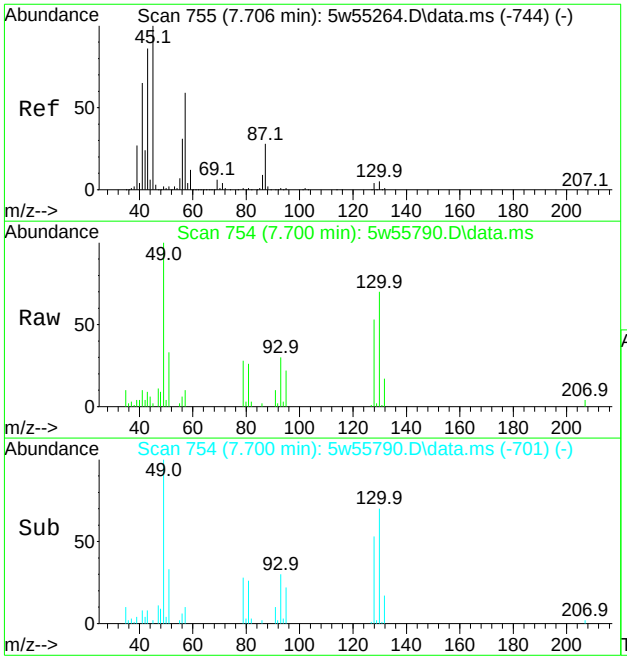




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.9671 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.031 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 59 Resp: 42589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 29.2 | 0.0 | 53.1 |
| 43 | 26.4 | 0.0 | 47.1 |

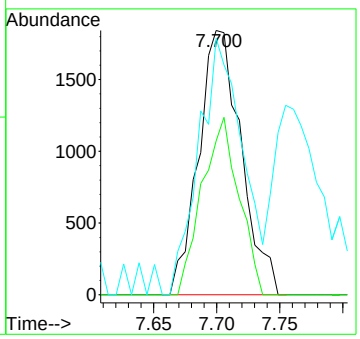


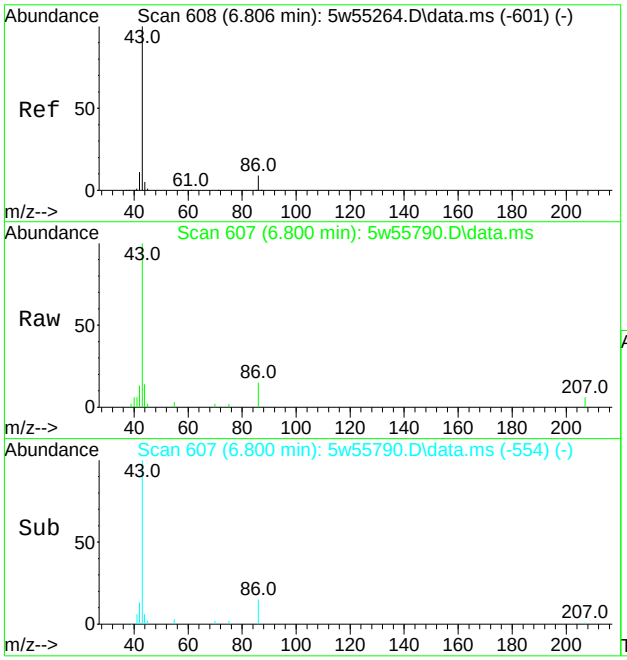



#38
HEXANE
Concen: 0.1263 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 57 Resp: 4331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.0 | 24.2 | 84.2 |
| 41 | 99.4 | 92.1 | 152.1 |

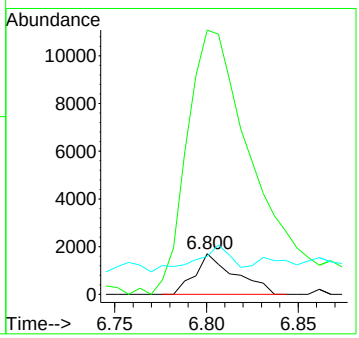


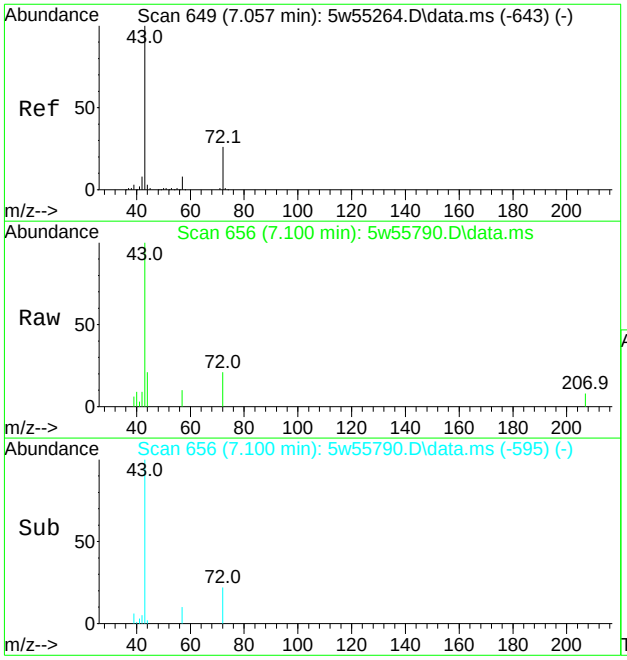




#39
VINYL ACETATE
Concen: 0.6572 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 86 Resp: 2575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1248.6 | 1335.5 | 1395.5# |
| 44 | 60.7 | 40.9 | 100.9 |

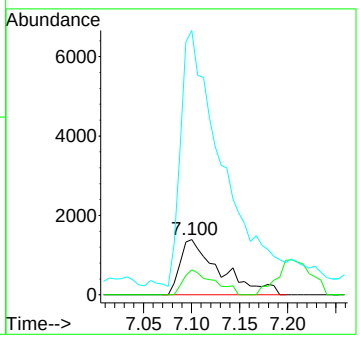


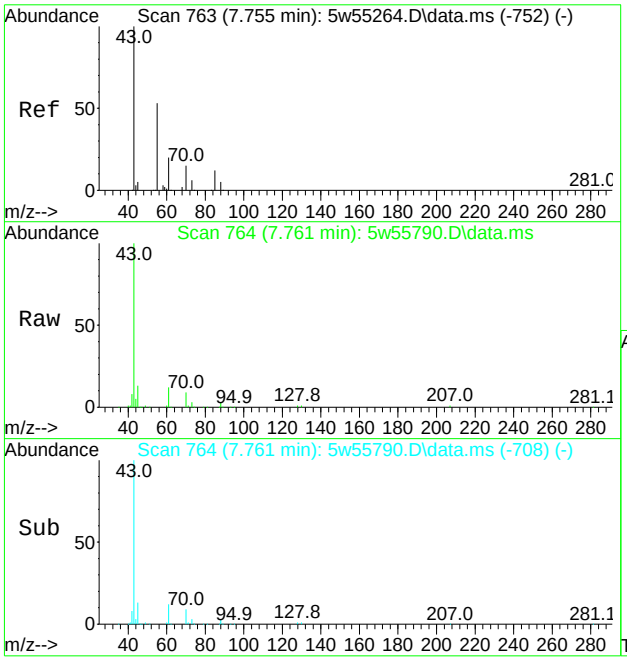



#41
METHYL ETHYL KETONE
Concen: 0.4218 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 72 Resp: 4003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 45.5 | 1.1 | 61.1 |
| 43 | 478.9 | 390.6 | 450.6# |

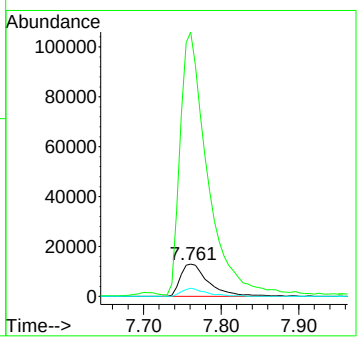


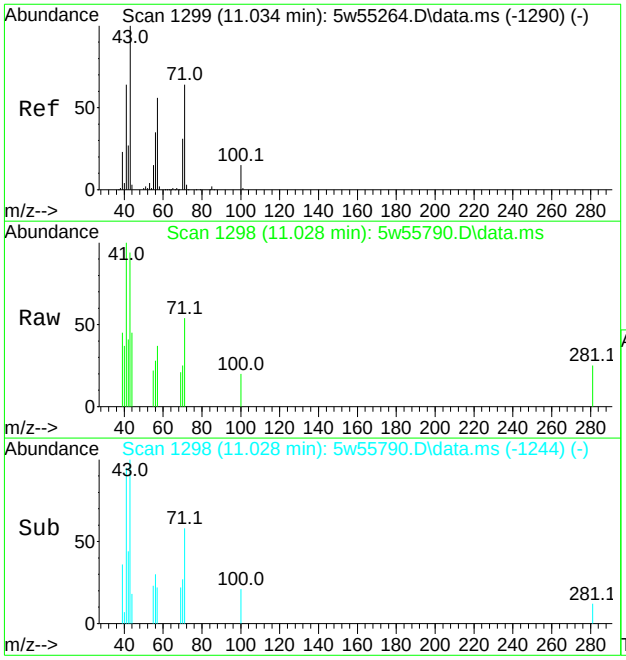




#44
ETHYL ACETATE
Concen: 4.6959 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 61 Resp: 32876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 805.9 | 0.0 | 30.0# |
| 88 | 22.0 | 7.3 | 67.3 |

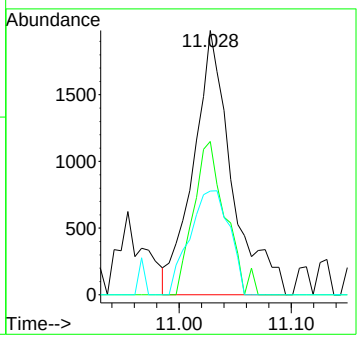


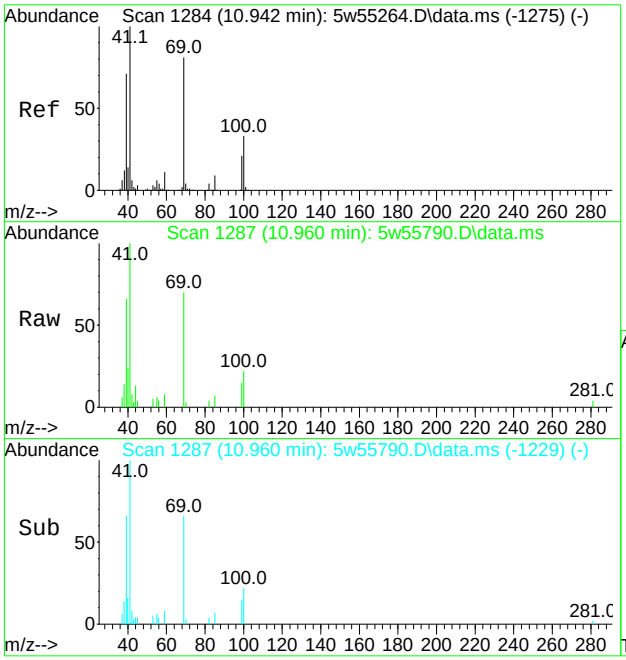



#62
HEPTANE
Concen: 0.1141 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 4720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 48.2 | 27.2 | 87.2 |
| 57 | 40.9 | 22.5 | 82.5 |

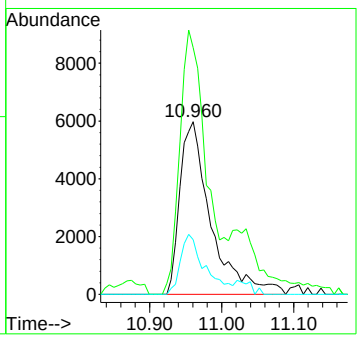


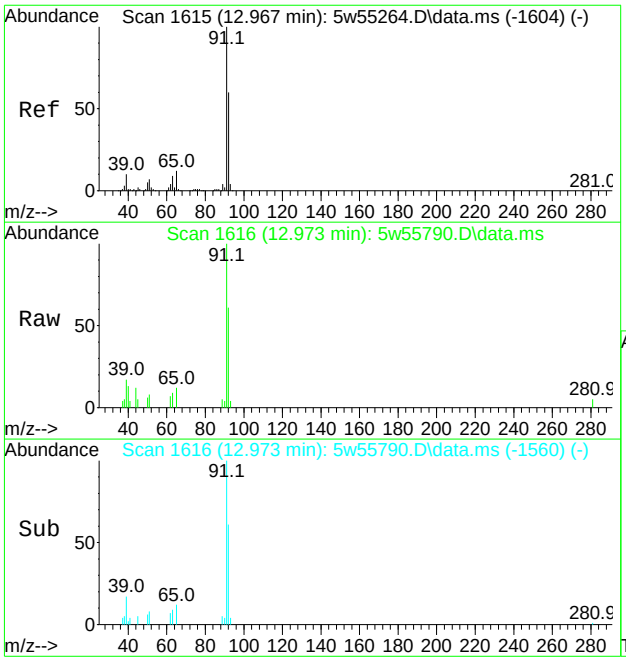




#63
METHYL METHACRYLATE
Concen: 0.6897 PPBV
RT: 10.960 min Scan# 1287
Delta R.T. 0.024 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 69 Resp: 17890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 173.0 | 97.3 | 157.3# |
| 100 | 31.4 | 3.0 | 63.0 |

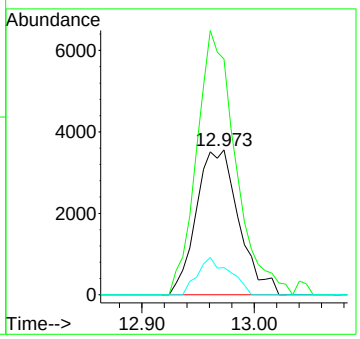


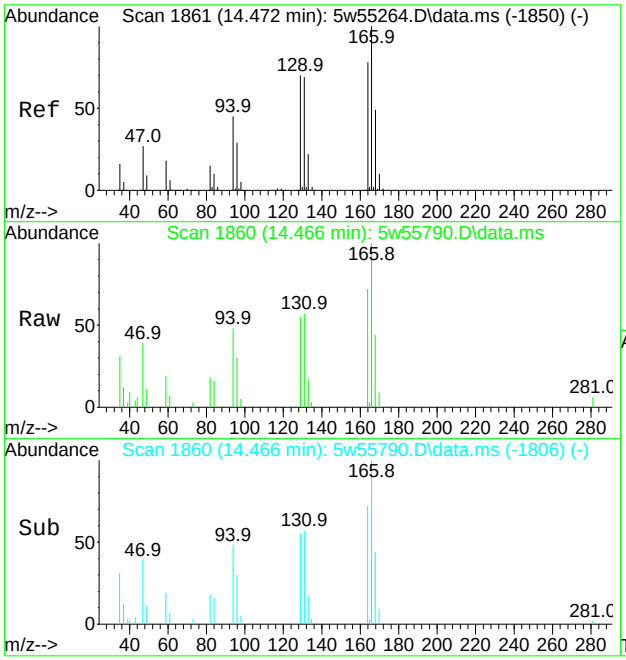



#66
TOLUENE
Concen: 0.1724 PPBV
RT: 12.973 min Scan# 1616
Delta R.T. 0.012 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 92 Resp: 9407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.7 | 143.4 | 203.4 |
| 65 | 19.5 | 0.0 | 53.8 |

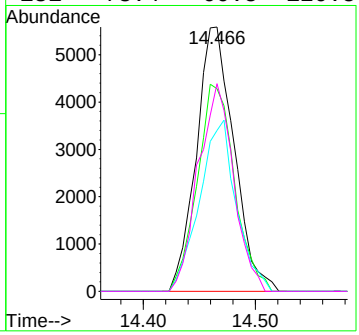


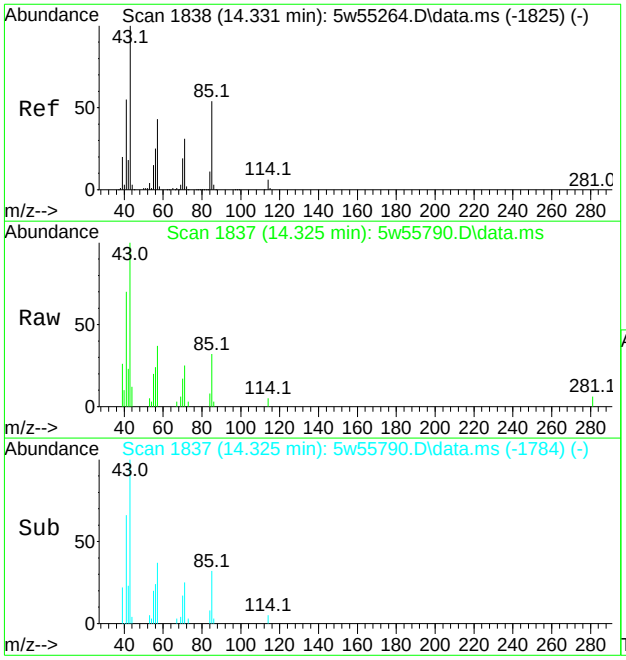




#73
TETRACHLOROETHYLENE
Concen: 0.3548 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion:164 Resp: 13038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 77.6 | 64.4 | 124.4 |
| 168 | 63.2 | 31.2 | 91.2 |
| 131 | 73.4 | 60.5 | 120.5 |

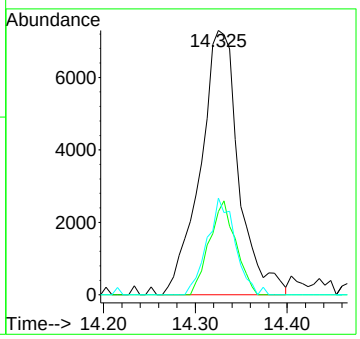


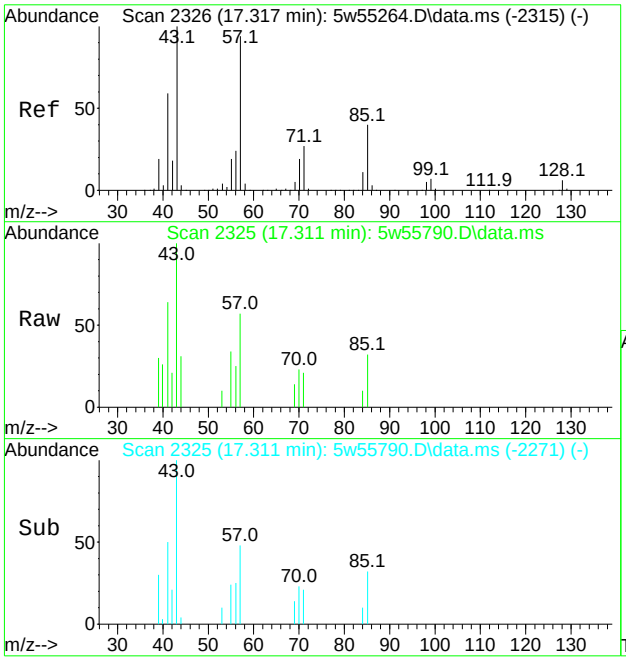



#76
OCTANE
Concen: 0.4299 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 21246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 24.5 | 13.7 | 73.7 |
| 57 | 26.7 | 9.9 | 69.9 |

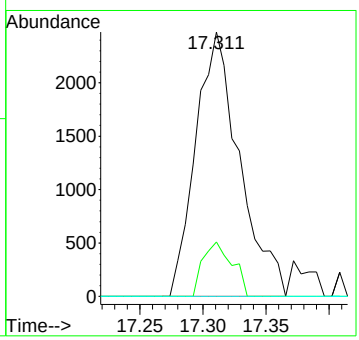



#83
NONANE
Concen: 0.1158 PPBV
RT: 17.311 min Scan# 2325
Delta R.T. 0.000 min
Lab File: 5w55790.D
Acq: 20 Dec 2024 10:55 pm

Tgt Ion: 43 Resp: 5975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 13.8 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55830.D
Acq On : 23 Dec 2024 7:01 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2138,20,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 24 17:08:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

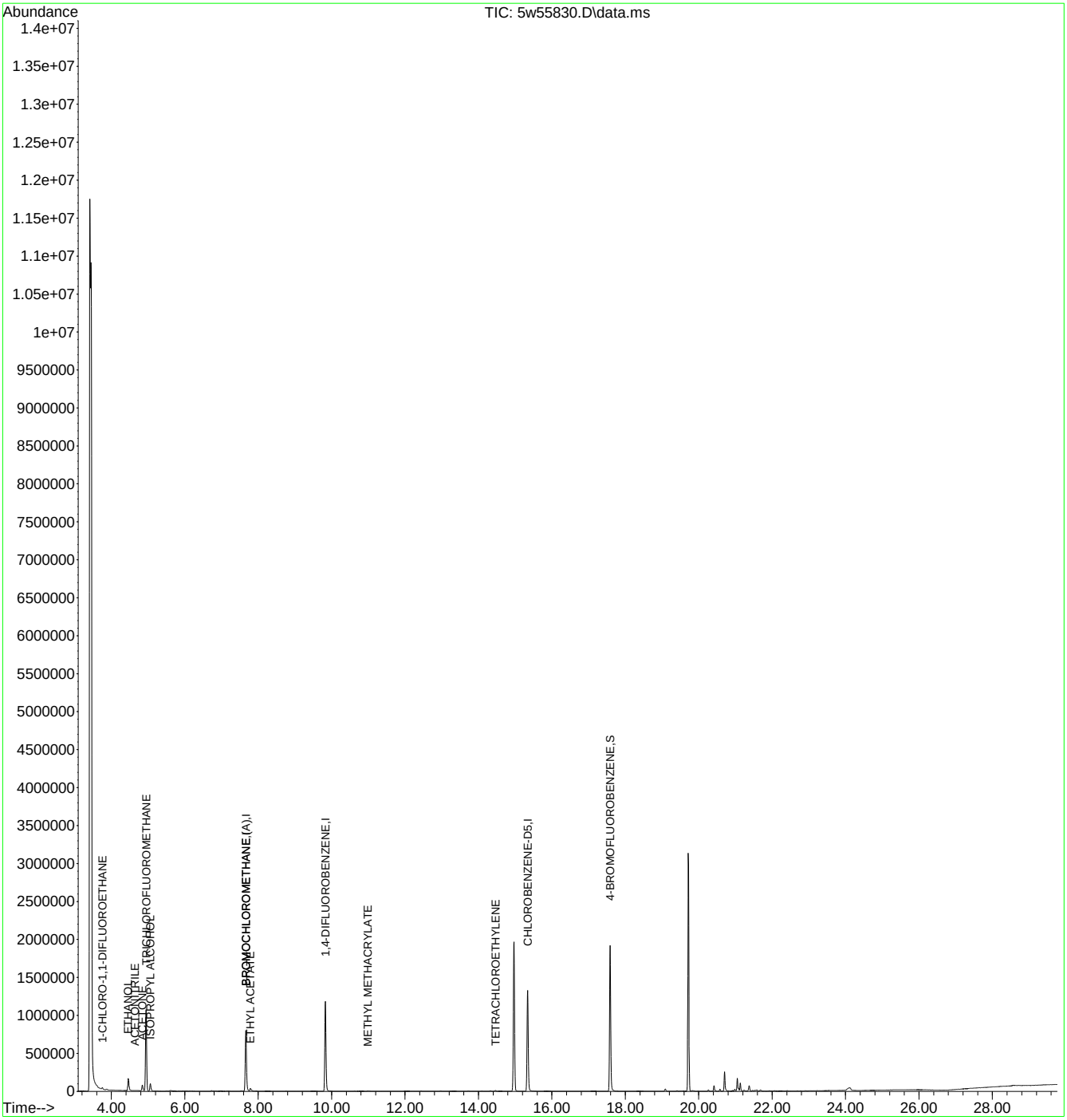
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 215745 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1039188 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 542678 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 215745 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 679525 | 11.19 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.90% | | | |
| Target Compounds | | | | | | Qvalue |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 16873 | 0.2090 | PPBV | # 83 |
| 17) ACETONITRILE | 4.641 | 41 | 3660 | 0.1375 | PPBV | # 81 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 882652 | 12.1144 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.063 | 45 | 133627 | 2.8946 | PPBV | 97 |
| 23) ACETONE | 4.843 | 58 | 29116 | 1.6733 | PPBV | 91 |
| 28) ETHANOL | 4.457 | 45 | 211431 | 12.4967 | PPBV | 98 |
| 44) ETHYL ACETATE | 7.785 | 61 | 6766 | 0.9801 | PPBV | # 67 |
| 63) METHYL METHACRYLATE | 10.979 | 69 | 3293 | 0.1315 | PPBV | # 56 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 3290 | 0.0928 | PPBV | 82 |

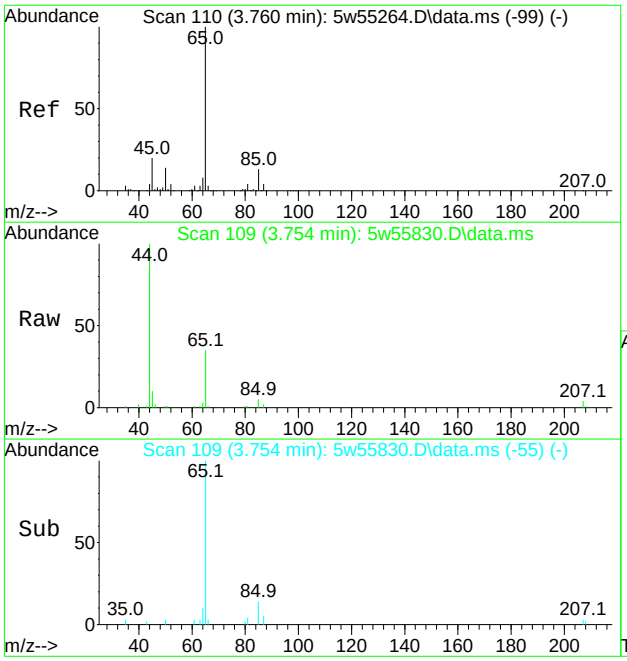
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55830.D
Acq On : 23 Dec 2024 7:01 pm
Operator : thomash
Sample : je2490-1 Inst : GCMS5W
Misc : MS88104,V5W2138,20,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 24 17:08:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

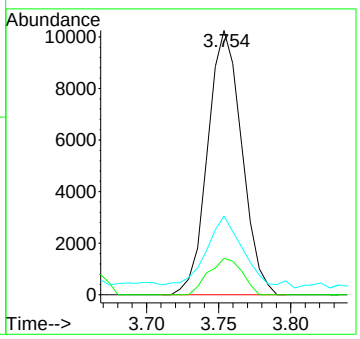


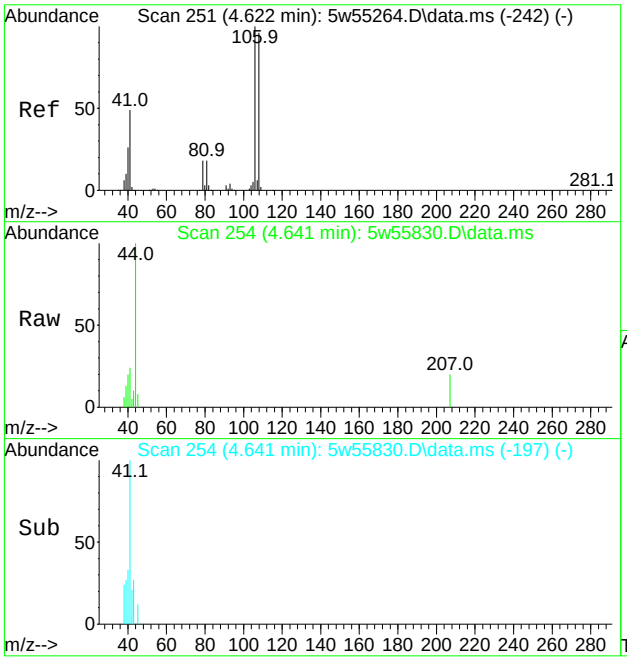



#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.2090 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 65 Resp: 16873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.6 | 10.1 | 18.7 |
| 45 | 35.9 | 15.9 | 29.5# |

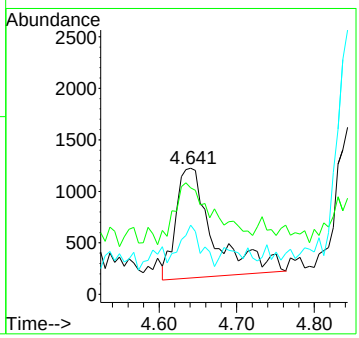


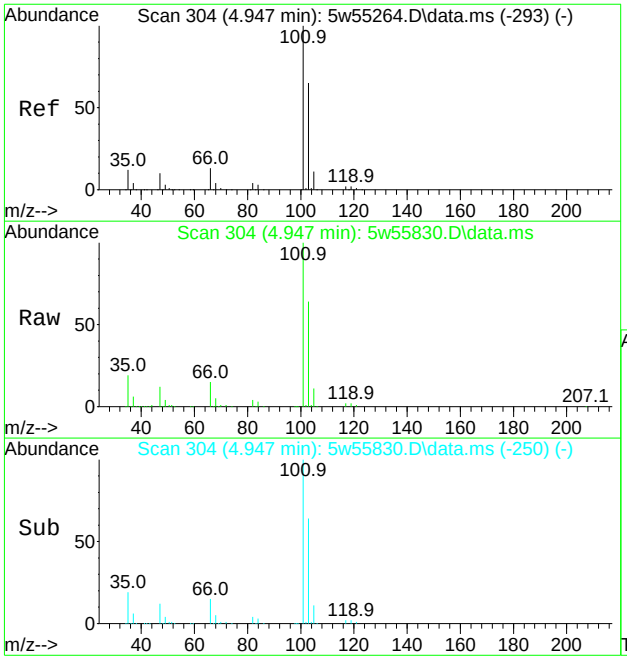




#17
ACETONITRILE
Concen: 0.1375 PPBV
RT: 4.641 min Scan# 254
Delta R.T. 0.018 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 41 Resp: 3660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 62.9 | 38.4 | 71.4 |
| 39 | 0.0 | 13.7 | 25.5# |

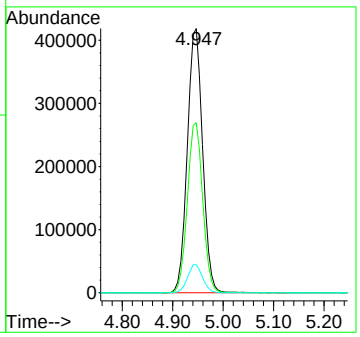


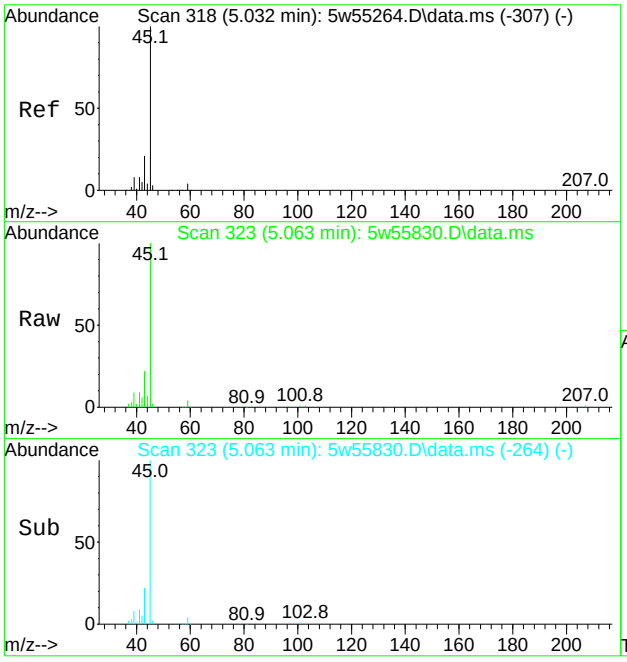



#21
TRICHLOROFLUOROMETHANE
Concen: 12.1144 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion:101 Resp: 882652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.6 | 34.7 | 94.7 |
| 105 | 10.5 | 0.0 | 40.5 |

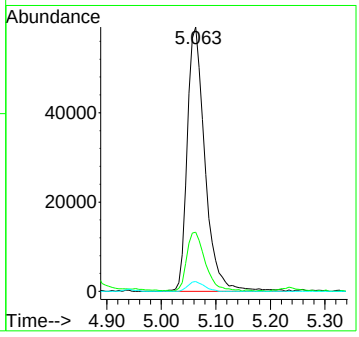


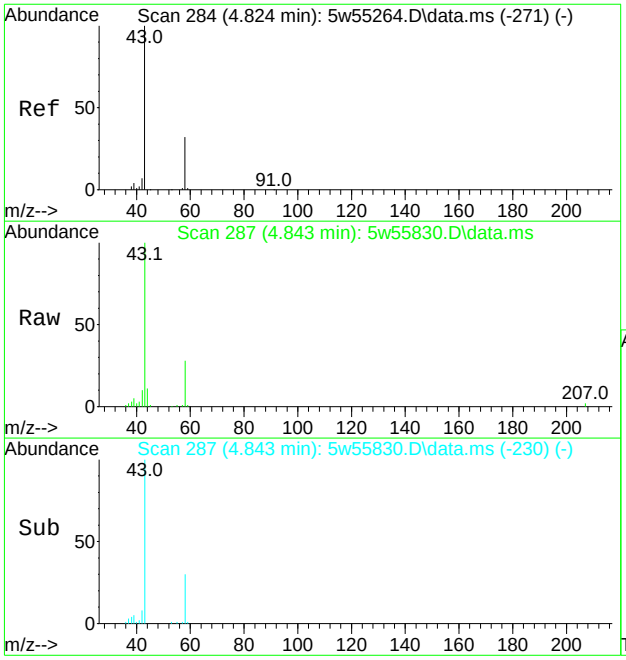




#22
ISOPROPYL ALCOHOL
Concen: 2.8946 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.031 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 45 Resp: 133627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.4 | 0.0 | 50.8 |
| 59 | 3.7 | 0.0 | 33.8 |

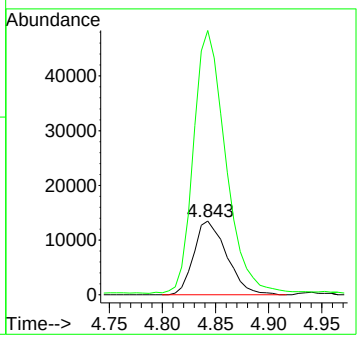


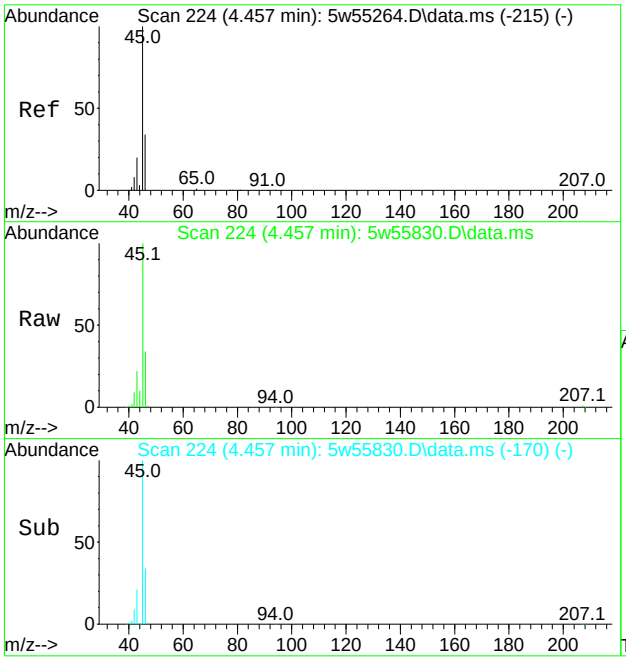



#23
ACETONE
Concen: 1.6733 PPBV
RT: 4.843 min Scan# 287
Delta R.T. 0.018 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 58 Resp: 29116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 362.2 | 312.3 | 372.3 |

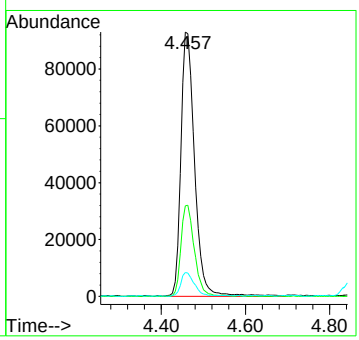


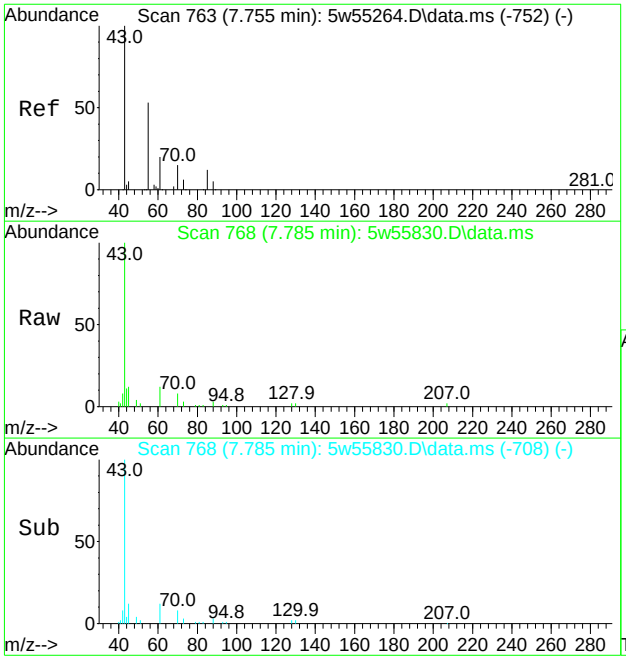




#28
ETHANOL
Concen: 12.4967 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 45 Resp: 211431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 33.7 | 4.5 | 64.5 |
| 42 | 9.4 | 0.0 | 38.6 |

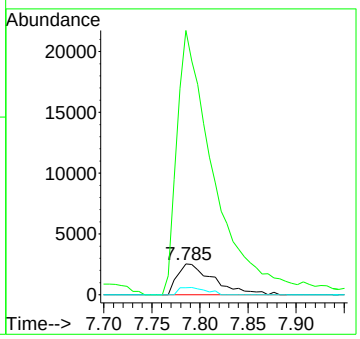


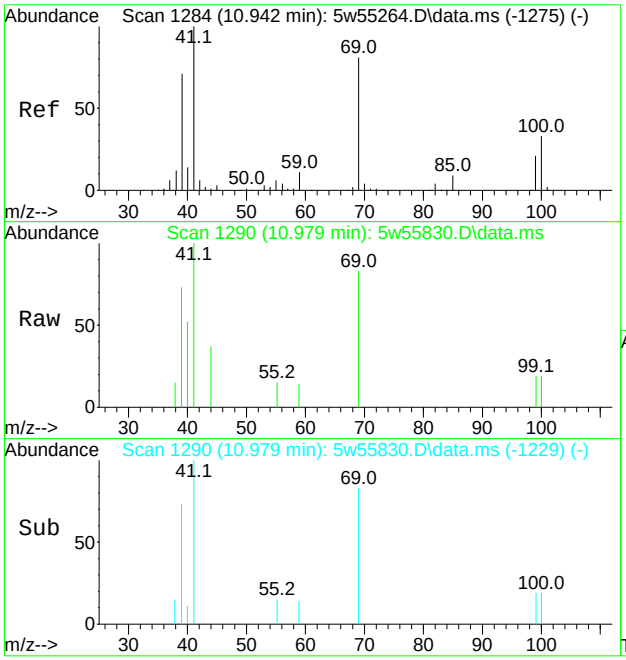



#44
ETHYL ACETATE
Concen: 0.9801 PPBV
RT: 7.785 min Scan# 768
Delta R.T. 0.037 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 61 Resp: 6766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 914.5 | 0.0 | 30.0# |
| 88 | 17.5 | 7.3 | 67.3 |

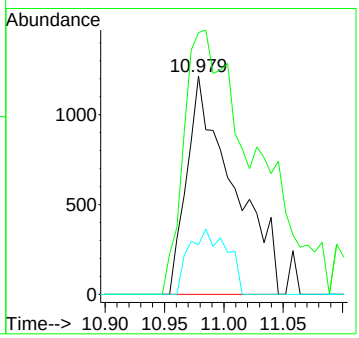


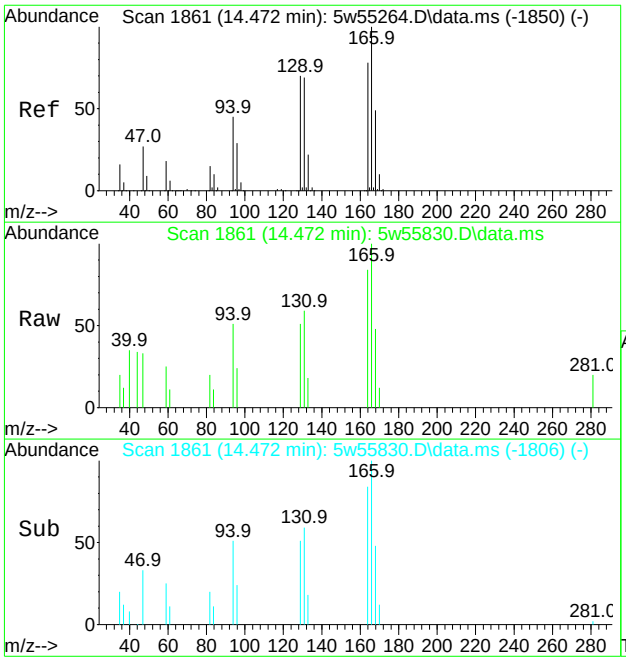




#63
METHYL METHACRYLATE
Concen: 0.1315 PPBV
RT: 10.979 min Scan# 1290
Delta R.T. 0.043 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion: 69 Resp: 3293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 187.4 | 97.3 | 157.3# |
| 100 | 24.7 | 3.0 | 63.0 |

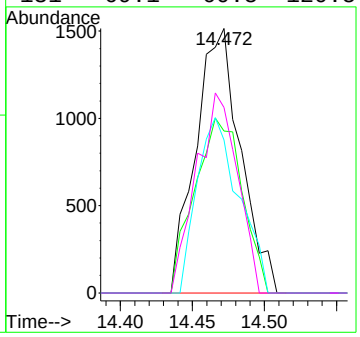





#73
TETRACHLOROETHYLENE
Concen: 0.0928 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55830.D
Acq: 23 Dec 2024 7:01 pm

Tgt Ion:164 Resp: 3290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 70.0 | 64.4 | 124.4 |
| 168 | 62.0 | 31.2 | 91.2 |
| 131 | 69.1 | 60.5 | 120.5 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/23/24 11:38

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:56:46 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

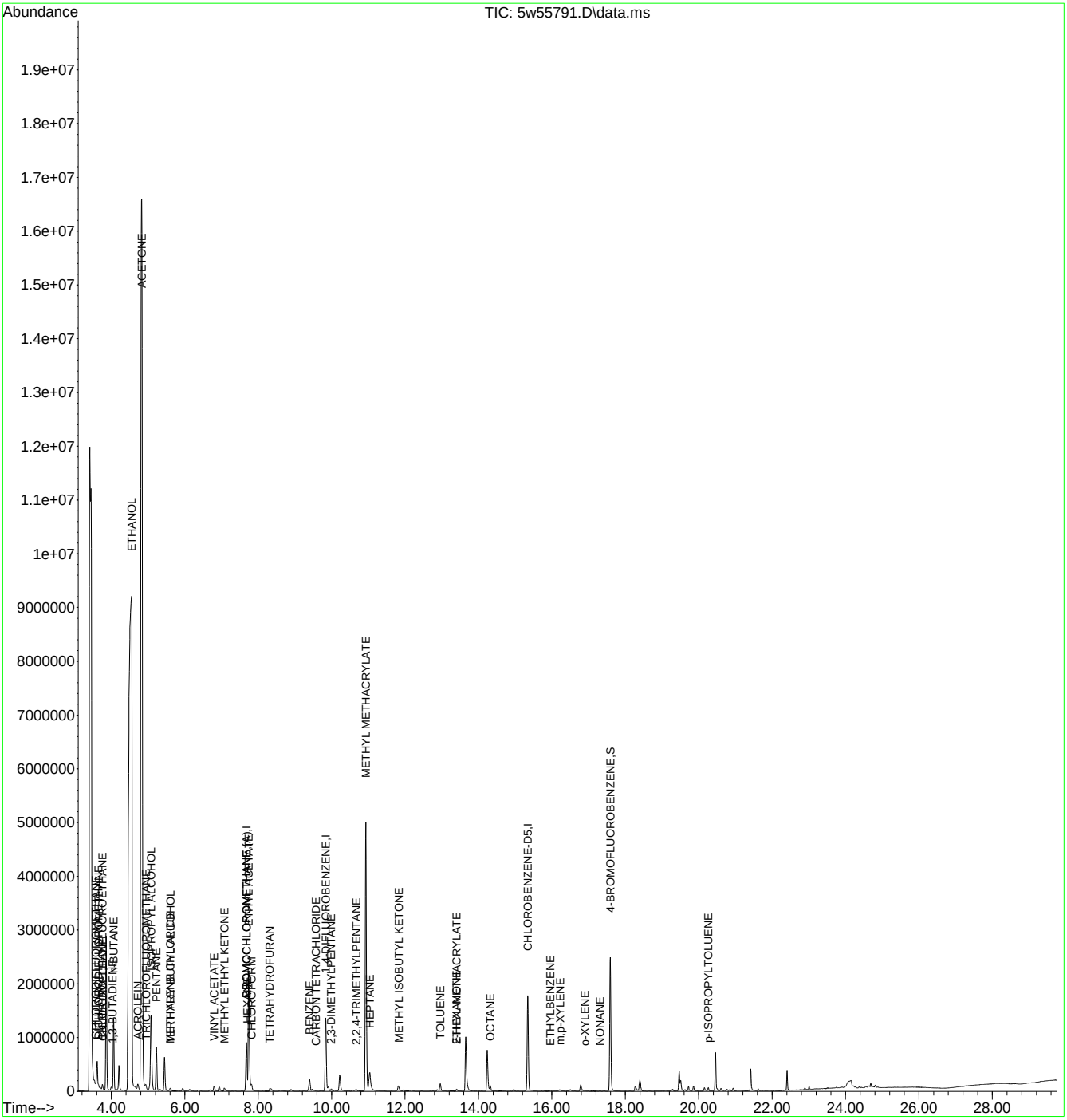
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 241587 | 10.00 | PPBV | # 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1193445 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 722409 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 241587 | 10.00 | PPBV | # 0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 915458 | 11.32 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 113.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 7443 | 0.8031 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 52440 | 0.5940 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 55187 | 0.6104 | PPBV # | 53 |
| 10) CHLOROMETHANE | 3.766 | 52 | 9013 | 0.7917 | PPBV | 96 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 12065 | 0.4484 | PPBV # | 26 |
| 13) n-BUTANE | 4.060 | 43 | 1143614 | 22.1581 | PPBV | 99 |
| 18) ACROLEIN | 4.720 | 56 | 106828 | 8.2061 | PPBV | 99 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 53747 | 0.6588 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.081 | 45 | 2192736 | 42.4180 | PPBV | 97 |
| 23) ACETONE | 4.824 | 58 | 10119543 | 519.3526 | PPBV # | 69 |
| 24) PENTANE | 5.228 | 42 | 337769 | 13.1532 | PPBV | 97 |
| 28) ETHANOL | 4.549 | 45 | 30146028 | 1591.1928 | PPBV | 97 |
| 31) METHYLENE CHLORIDE | 5.607 | 84 | 14893 | 0.5878 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.613 | 59 | 18461 | 0.3796 | PPBV # | 52 |
| 37) TETRAHYDROFURAN | 8.317 | 72 | 2642 | 0.2520 | PPBV # | 1 |
| 38) HEXANE | 7.700 | 57 | 29526 | 0.7800 | PPBV | 82 |
| 39) VINYL ACETATE | 6.800 | 86 | 12106 | 2.7981 | PPBV # | 54 |
| 41) METHYL ETHYL KETONE | 7.076 | 72 | 20884m | 1.9929 | PPBV | |
| 44) ETHYL ACETATE | 7.742 | 61 | 410962 | 53.1618 | PPBV # | 76 |
| 46) CHLOROFORM | 7.816 | 83 | 85424 | 1.3774 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 7367 | 0.1107 | PPBV | 94 |
| 52) BENZENE | 9.400 | 78 | 220695 | 2.5513 | PPBV | 99 |
| 54) 2,3-DIMETHYLPENTANE | 9.981 | 71 | 6711 | 0.3825 | PPBV # | 68 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.673 | 57 | 23081 | 0.1757 | PPBV # | 44 |
| 62) HEPTANE | 11.040 | 43 | 721750m | 15.7308 | PPBV | |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 2128109 | 74.0016 | PPBV | 94 |
| 64) METHYL ISOBUTYL KETONE | 11.835 | 58 | 3673 | 0.1503 | PPBV # | 1 |
| 66) TOLUENE | 12.961 | 92 | 68694 | 1.1354 | PPBV | 100 |
| 71) 2-HEXANONE | 13.401 | 58 | 5592 | 0.1641 | PPBV | 82 |
| 72) ETHYL METHACRYLATE | 13.401 | 69 | 18271 | 0.3662 | PPBV | 95 |
| 76) OCTANE | 14.325 | 43 | 73335m | 1.1557 | PPBV | |
| 79) ETHYLBENZENE | 15.958 | 91 | 15384 | 0.1155 | PPBV | 97 |
| 80) m,p-XYLENE | 16.221 | 106 | 11918 | 0.2358 | PPBV # | 76 |
| 81) o-XYLENE | 16.901 | 106 | 5557 | 0.1133 | PPBV | 91 |
| 83) NONANE | 17.310 | 43 | 9169 | 0.1385 | PPBV # | 93 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 7884 | 0.2151 | PPBV | 97 |

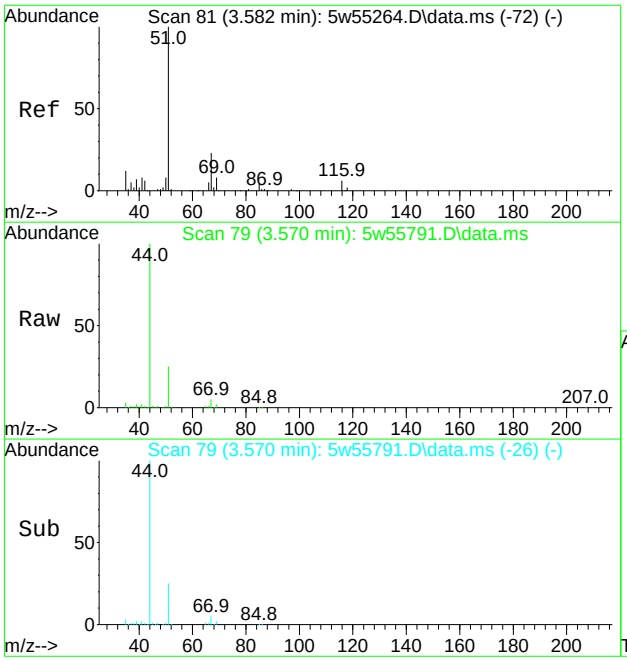
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:56:46 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

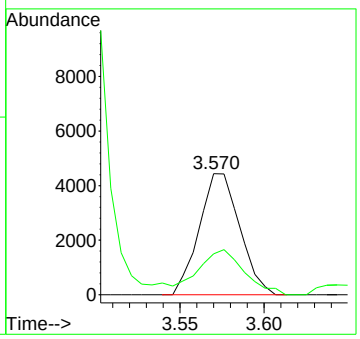


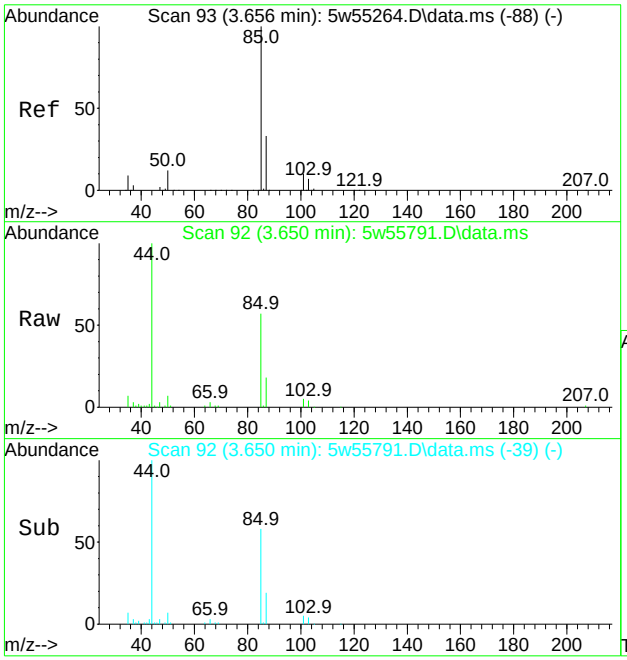



#4
CHLORODIFLUOROMETHANE
Concen: 0.8031 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 67 Resp: 7443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 33.8 | 2.9 | 62.9 |

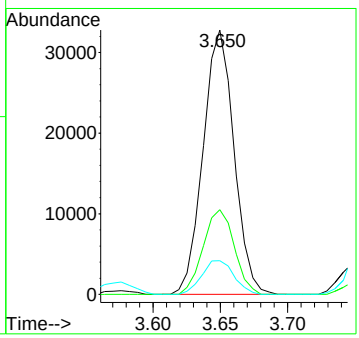


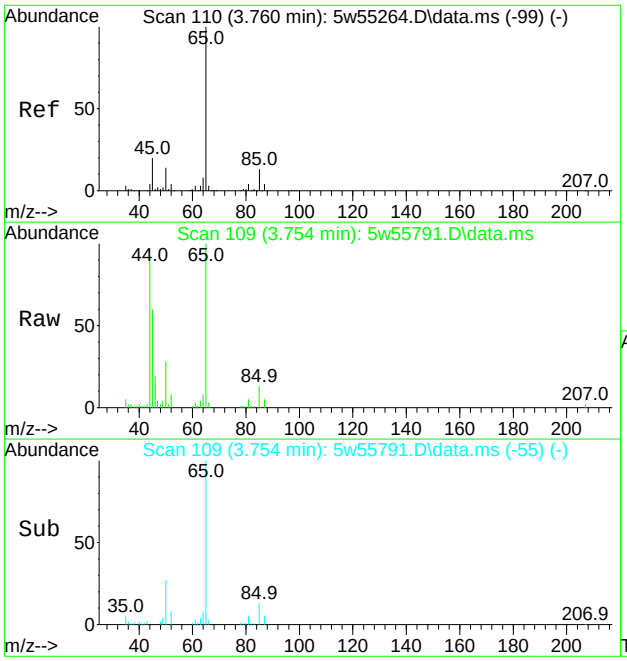




#6
DICHLORODIFLUOROMETHANE
Concen: 0.5940 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 85 Resp: 52440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 2.6 | 62.6 |
| 50 | 13.4 | 0.0 | 43.0 |

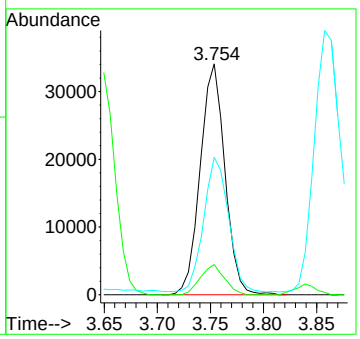


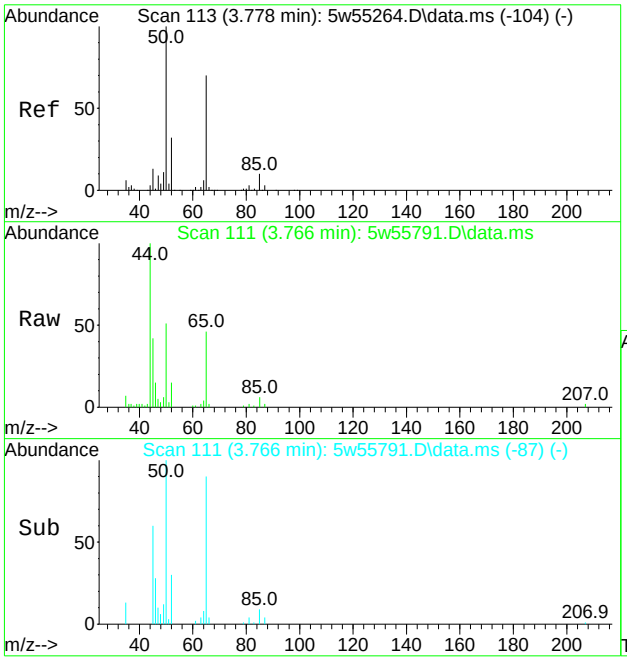



#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.6104 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 65 Resp: 55187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 12.7 | 10.1 | 18.7 |
| 45 | 58.7 | 15.9 | 29.5# |

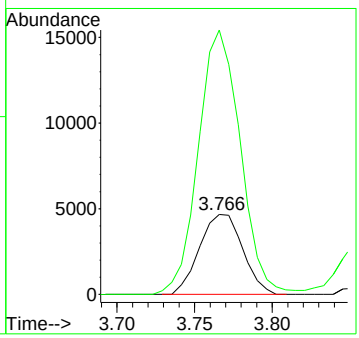


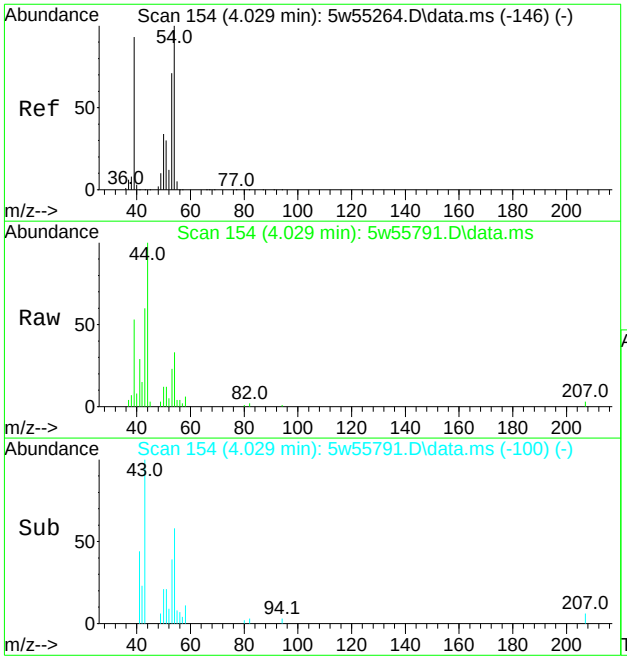




#10
CHLOROMETHANE
Concen: 0.7917 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 52 Resp: 9013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 325.5 | 287.9 | 347.9 |

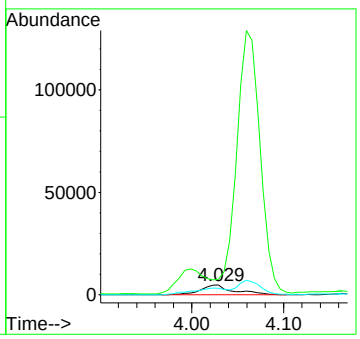


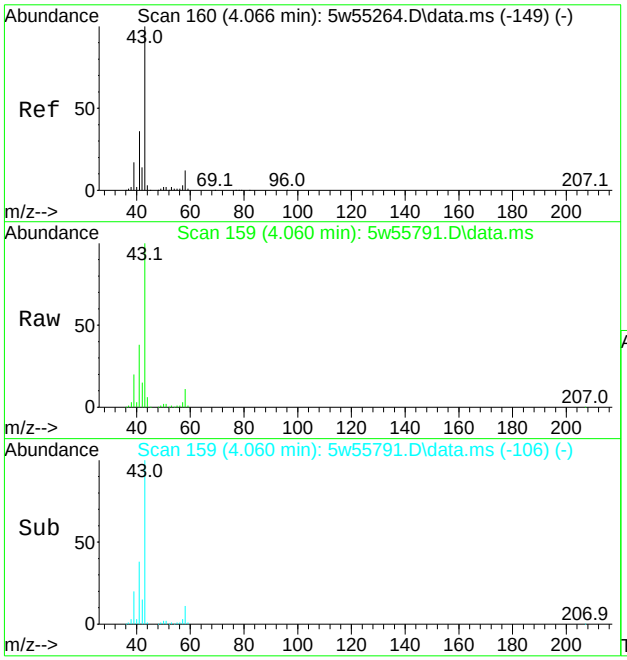



#12
1,3-BUTADIENE
Concen: 0.4484 PPBV
RT: 4.029 min Scan# 154
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 54 Resp: 12065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 0.0 | 103.6 | 163.6# |
| 53 | 72.1 | 41.1 | 101.1 |

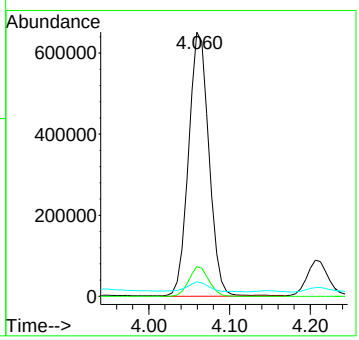


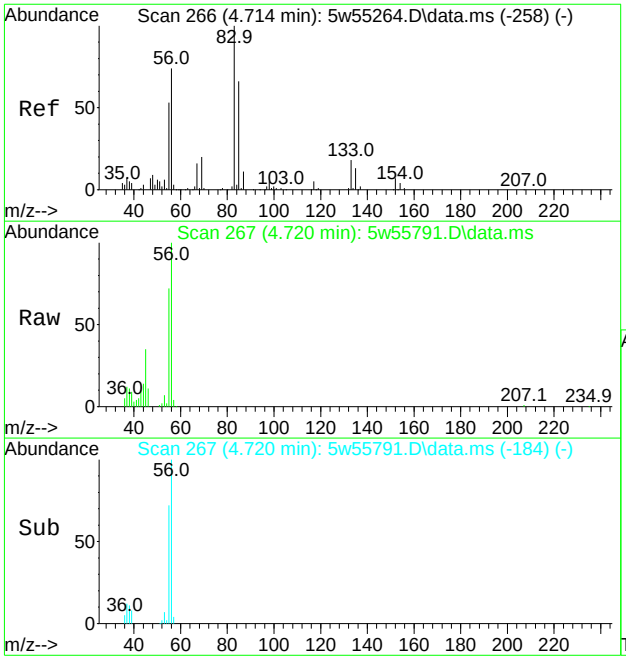




#13
n-BUTANE
Concen: 22.1581 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 1143614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 0.0 | 41.6 |
| 44 | 4.7 | 0.0 | 34.7 |

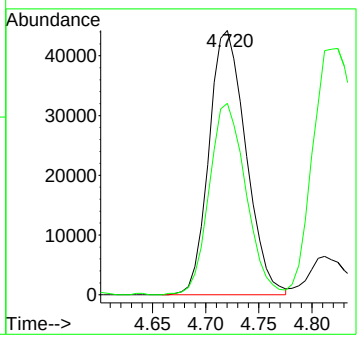


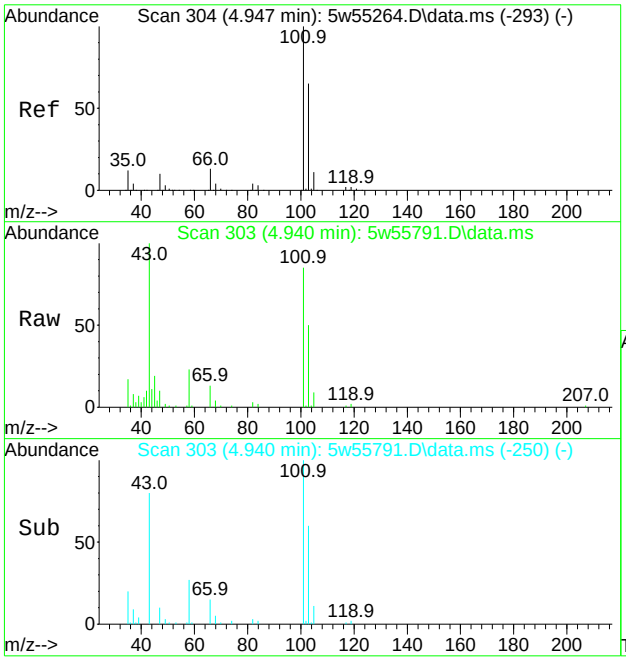



#18
ACROLEIN
Concen: 8.2061 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 56 Resp: 106828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.8 | 49.8 | 92.6 |

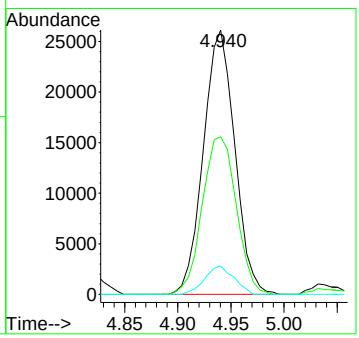


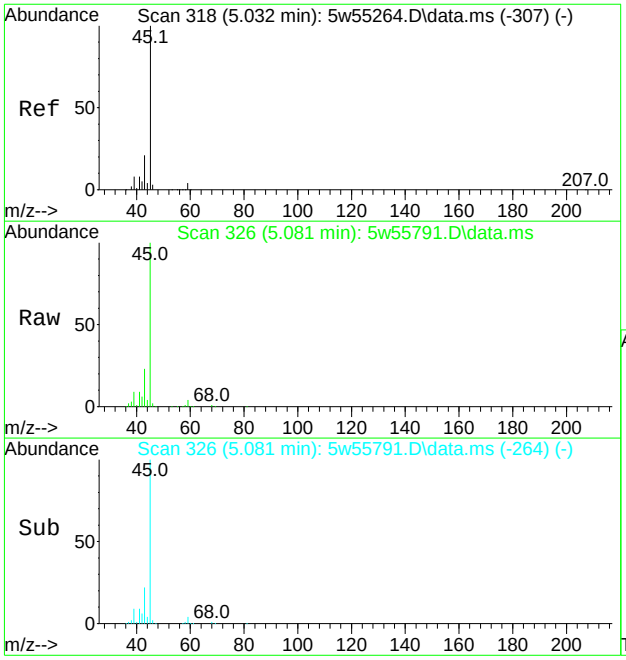




#21
TRICHLOROFLUOROMETHANE
Concen: 0.6588 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:101 Resp: 53747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 34.7 | 94.7 |
| 105 | 10.0 | 0.0 | 40.5 |

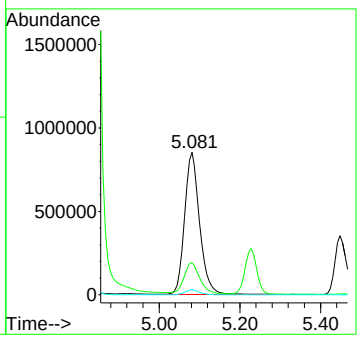


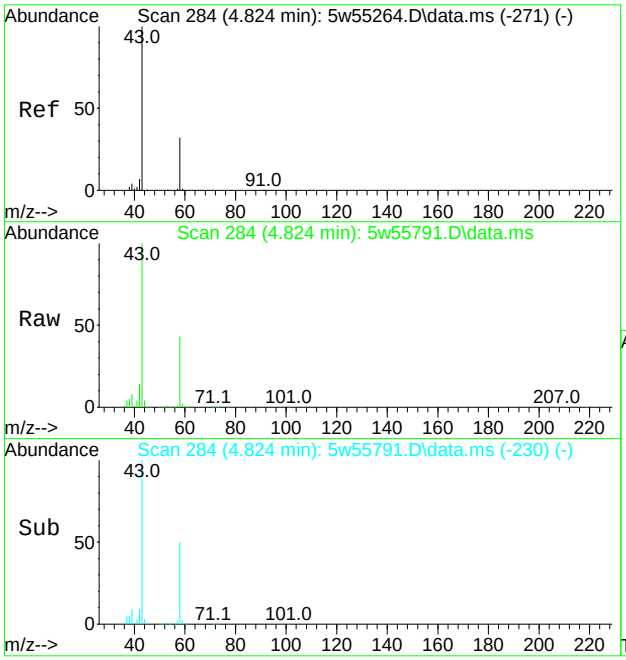



#22
ISOPROPYL ALCOHOL
Concen: 42.4180 PPBV
RT: 5.081 min Scan# 326
Delta R.T. 0.049 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 45 Resp: 2192736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.5 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

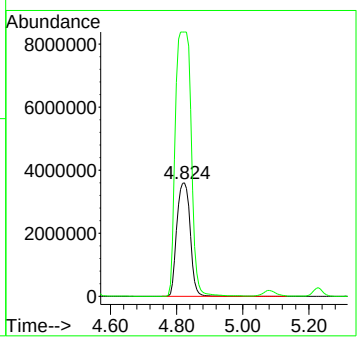


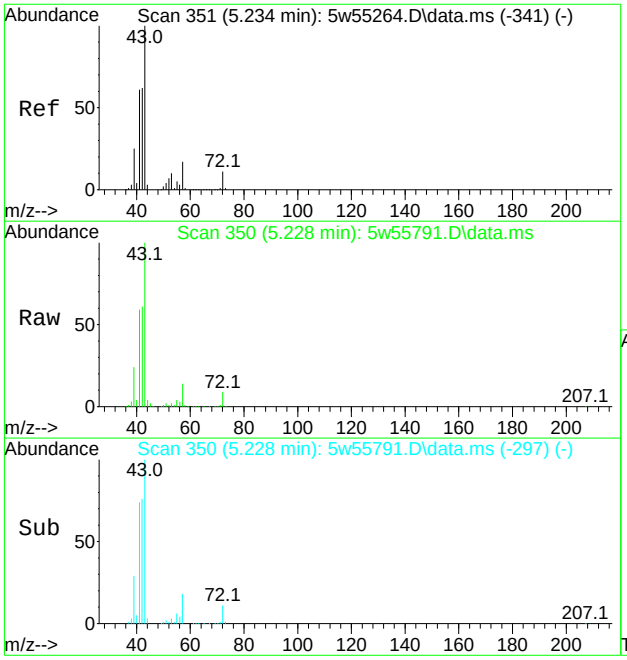




#23
ACETONE
Concen: 519.3526 PPBV
RT: 4.824 min Scan# 284
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp:10119543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 275.4 | 312.3 | 372.3# |

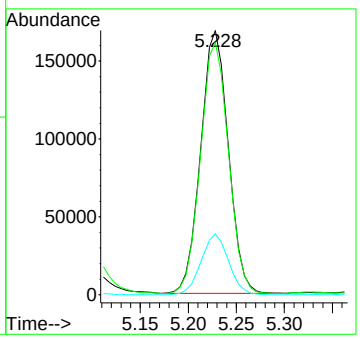


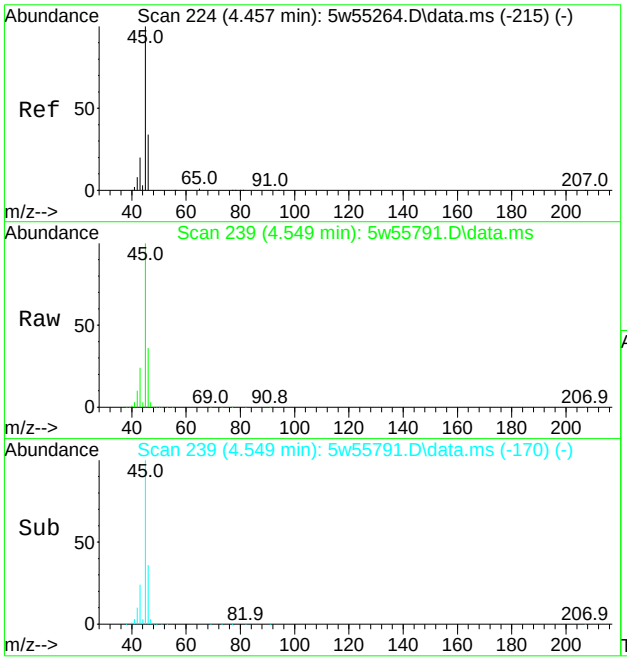



#24
PENTANE
Concen: 13.1532 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 42 Resp: 337769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 97.5 | 64.4 | 124.4 |
| 57 | 23.0 | 0.0 | 55.0 |

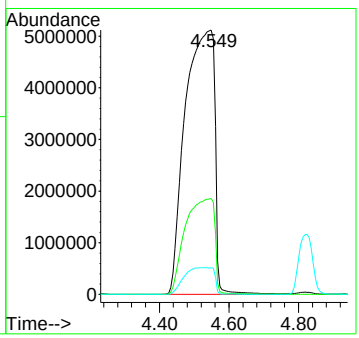


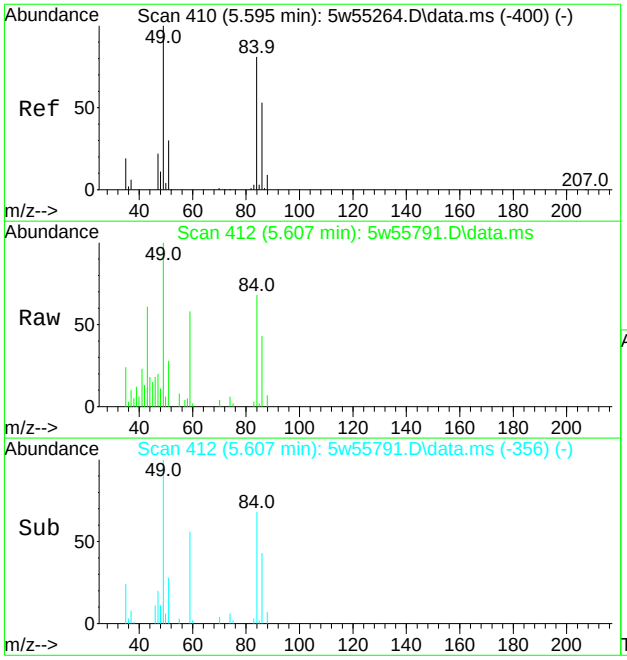




#28
ETHANOL
Concen: 1591.1928 PPBV
RT: 4.549 min Scan# 239
Delta R.T. 0.092 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 45 Resp:30146028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.2 | 4.5 | 64.5 |
| 42 | 10.3 | 0.0 | 38.6 |

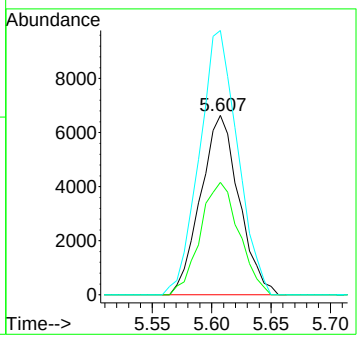


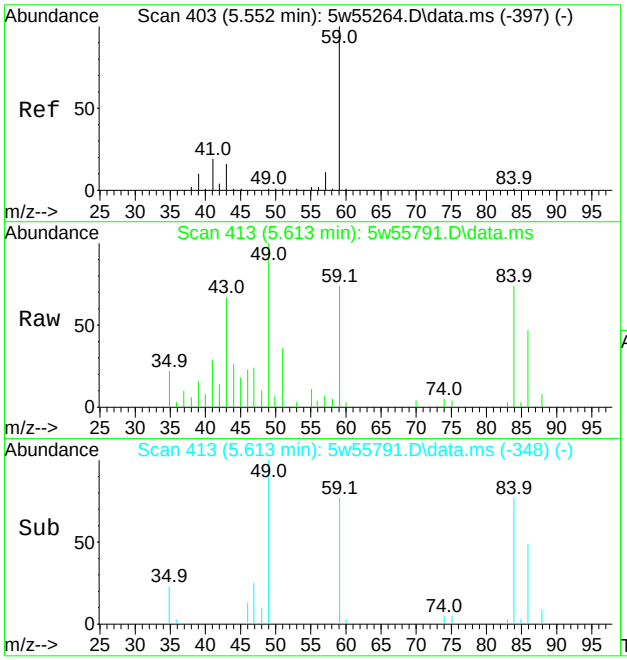



#31
METHYLENE CHLORIDE
Concen: 0.5878 PPBV
RT: 5.607 min Scan# 412
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 84 Resp: 14893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.4 | 34.0 | 94.0 |
| 49 | 147.0 | 105.8 | 165.8 |

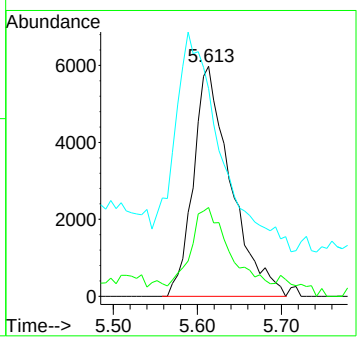


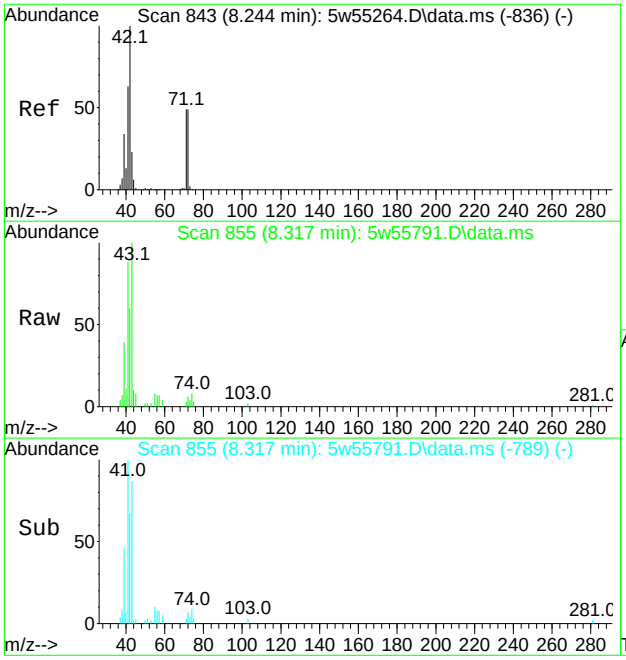




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3796 PPBV
RT: 5.613 min Scan# 413
Delta R.T. 0.067 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 59 Resp: 18461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 49.8 | 0.0 | 53.1 |
| 43 | 0.0 | 0.0 | 47.1 |

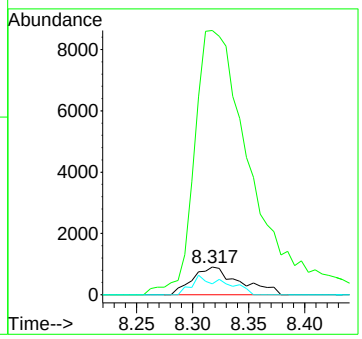


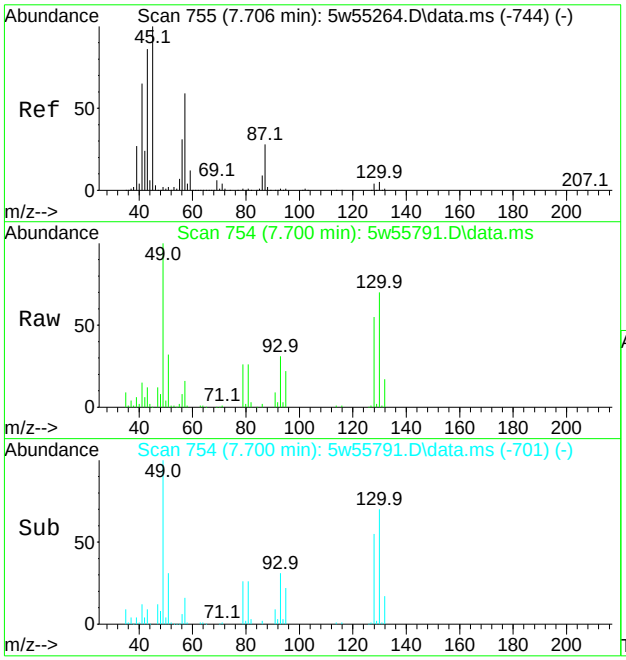



#37
TETRAHYDROFURAN
Concen: 0.2520 PPBV
RT: 8.317 min Scan# 855
Delta R.T. 0.073 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 72 Resp: 2642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 42 | 1225.2 | 203.7 | 263.7# |
| 71 | 50.5 | 68.1 | 128.1# |

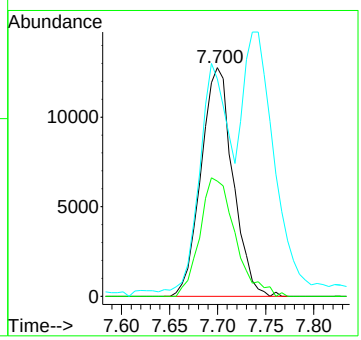


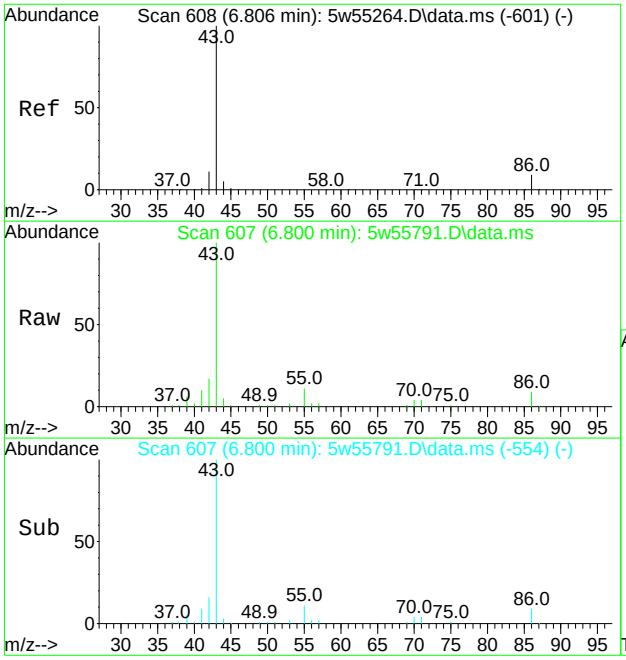




#38
HEXANE
Concen: 0.7800 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 57 Resp: 29526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.3 | 24.2 | 84.2 |
| 41 | 95.7 | 92.1 | 152.1 |

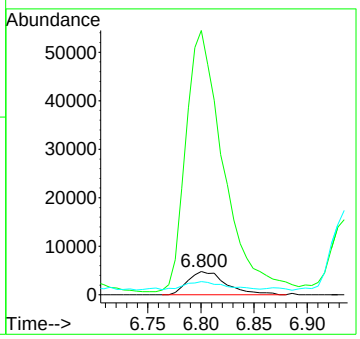


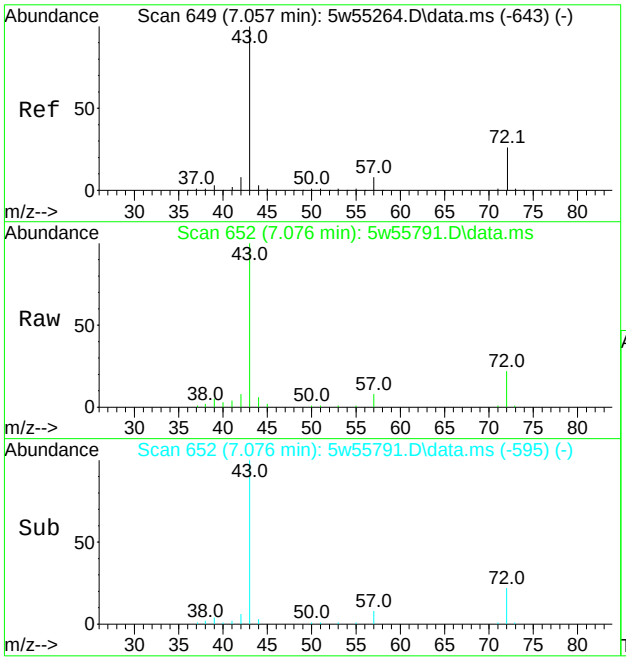



#39
VINYL ACETATE
Concen: 2.7981 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 86 Resp: 12106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1105.4 | 1335.5 | 1395.5# |
| 44 | 35.0 | 40.9 | 100.9# |

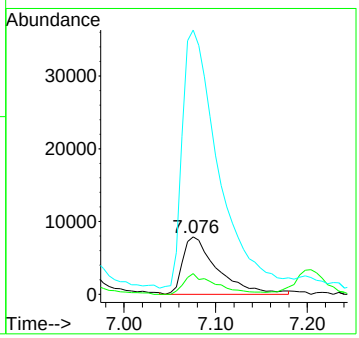


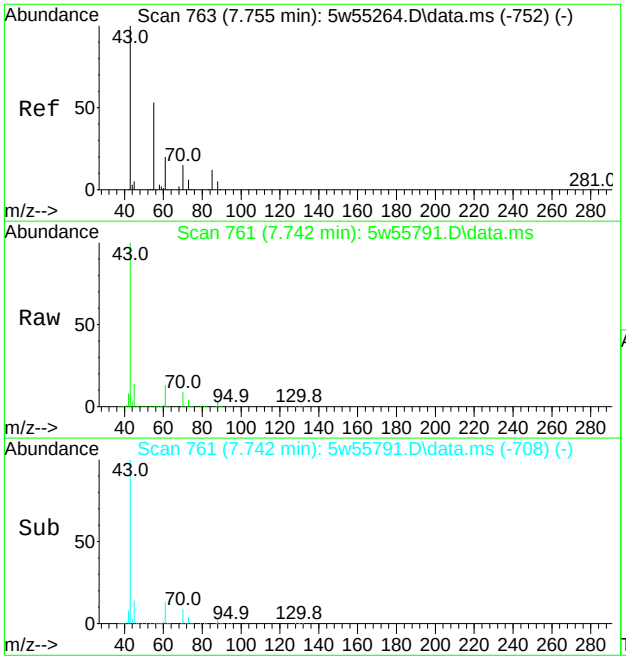




#41
METHYL ETHYL KETONE
Concen: 1.9929 PPBV m
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 72 Resp: 20884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 36.3 | 1.1 | 61.1 |
| 43 | 460.2 | 390.6 | 450.6# |

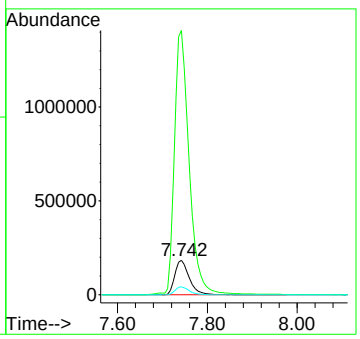


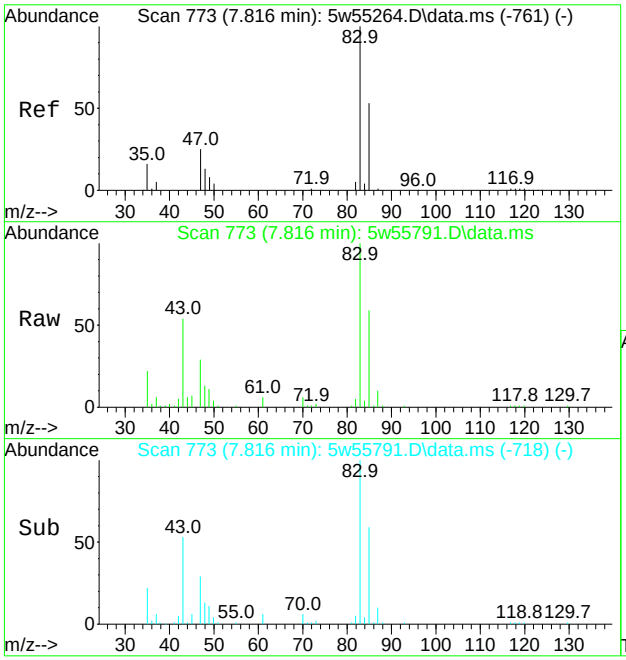



#44
ETHYL ACETATE
Concen: 53.1618 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 61 Resp: 410962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 785.6 | 0.0 | 30.0# |
| 88 | 22.8 | 7.3 | 67.3 |

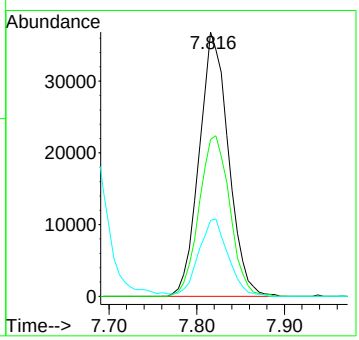


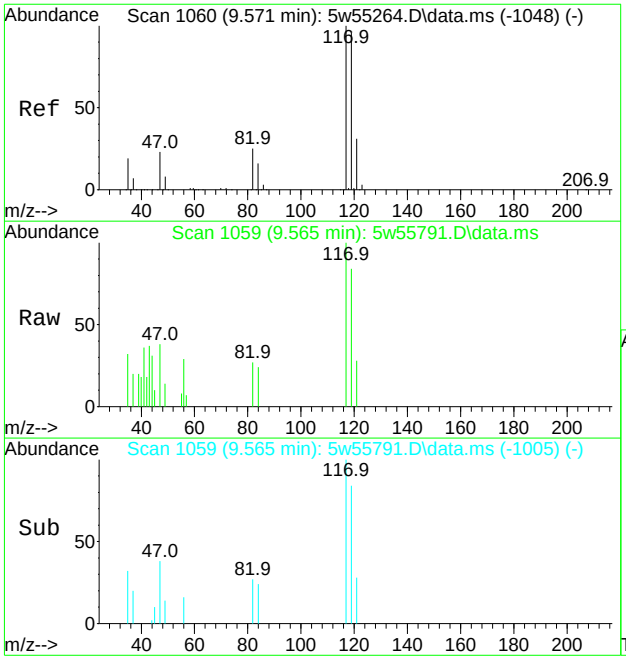




#46
CHLOROFORM
Concen: 1.3774 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 83 Resp: 85424

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.7 | 35.5 | 95.5 |
| 47 | 29.5 | 0.0 | 56.8 |

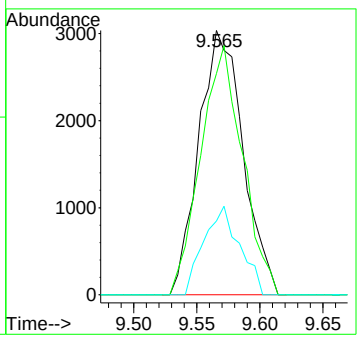


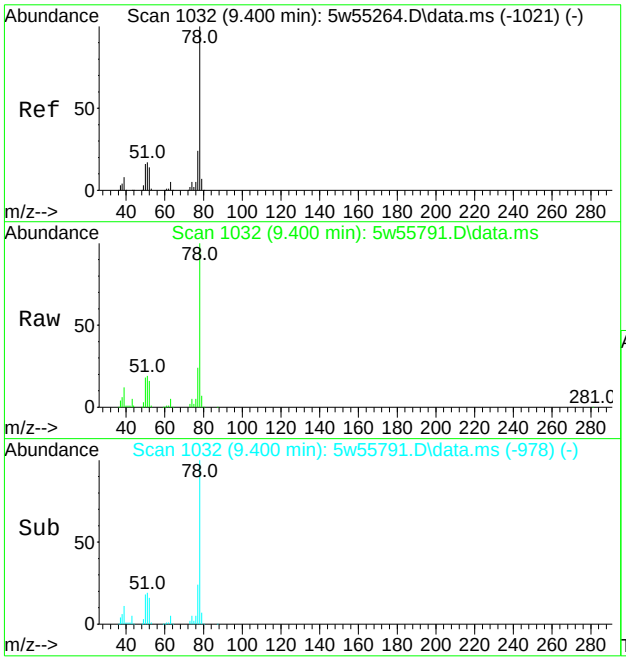



#49
CARBON TETRACHLORIDE
Concen: 0.1107 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:117 Resp: 7367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.6 | 65.9 | 125.9 |
| 121 | 27.3 | 0.7 | 60.7 |

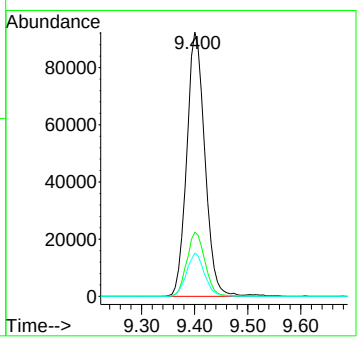


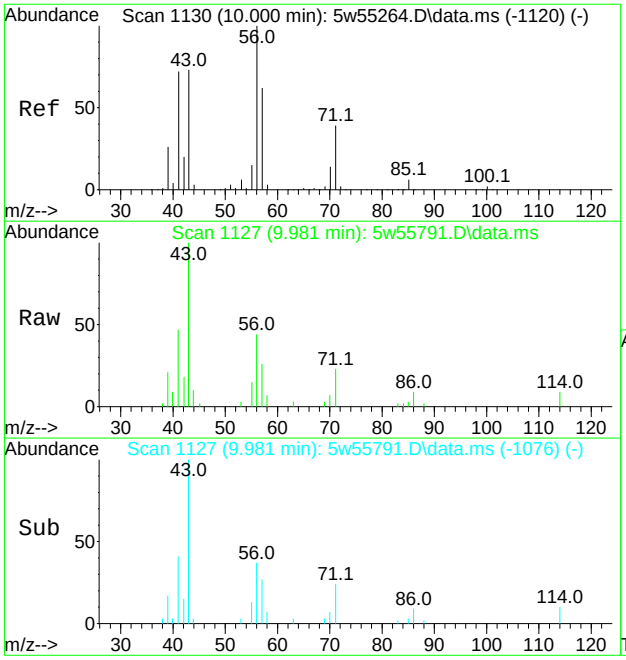




#52
BENZENE
Concen: 2.5513 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 78 Resp: 220695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 0.0 | 54.0 |
| 52 | 16.1 | 0.0 | 45.6 |

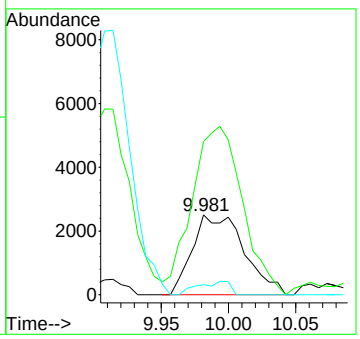


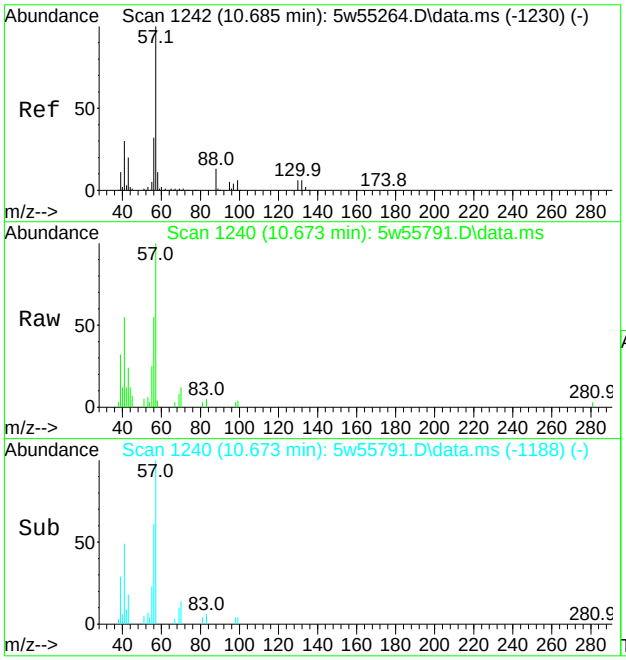



#54
2,3-DIMETHYLPENTANE
Concen: 0.3825 PPBV
RT: 9.981 min Scan# 1127
Delta R.T. -0.018 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 71 Resp: 6711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 206.0 | 235.4 | 295.4# |
| 85 | 10.5 | 0.0 | 45.3 |

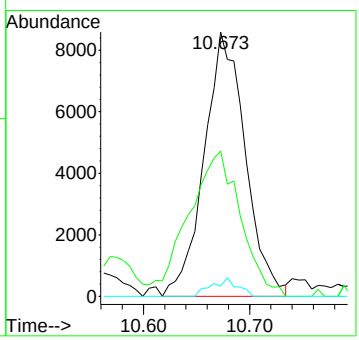


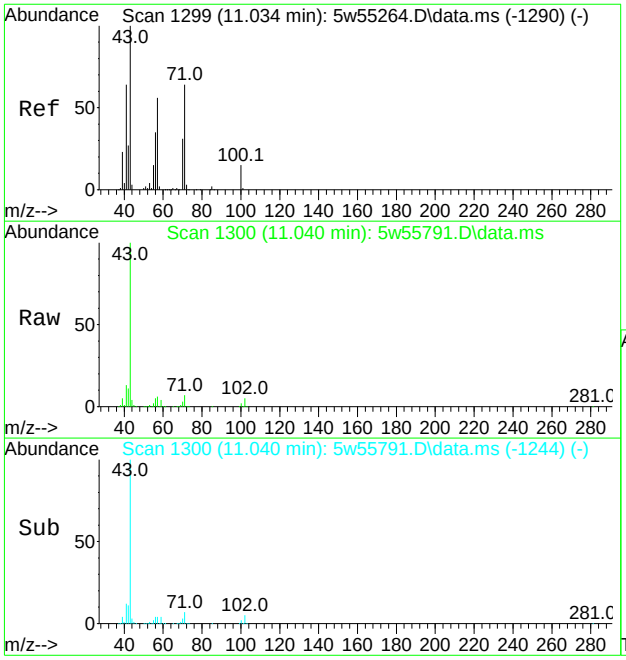




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1757 PPBV
RT: 10.673 min Scan# 1240
Delta R.T. -0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 57 Resp: 23081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 69.4 | 2.2 | 62.2# |
| 99 | 4.4 | 0.0 | 37.6 |

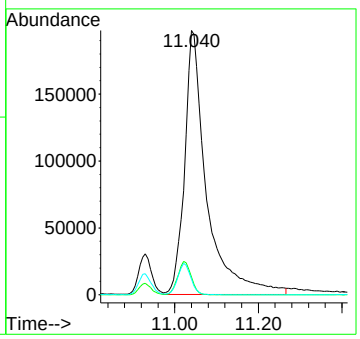


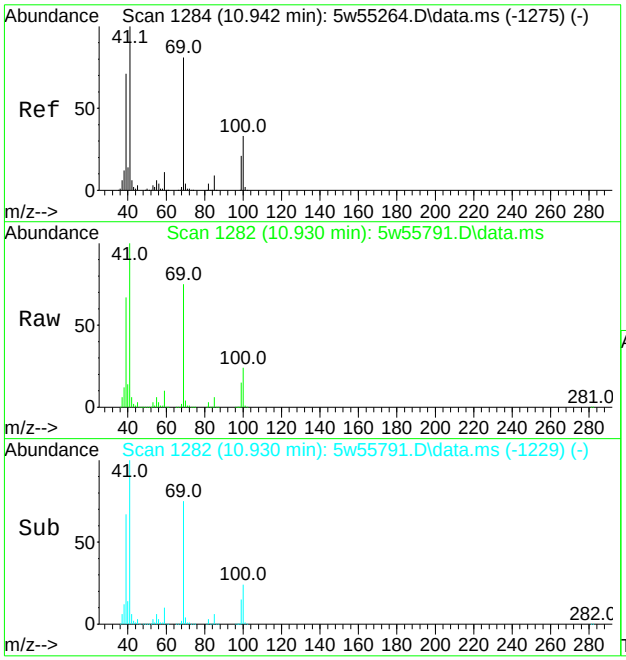



#62
HEPTANE
Concen: 15.7308 PPBV m
RT: 11.040 min Scan# 1300
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 721750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 2.4 | 27.2 | 87.2# |
| 57 | 4.6 | 22.5 | 82.5# |

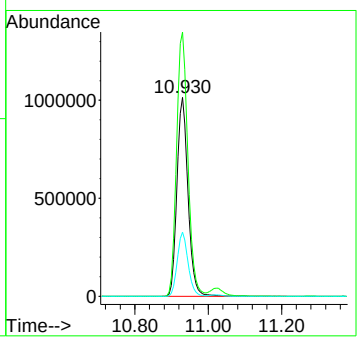


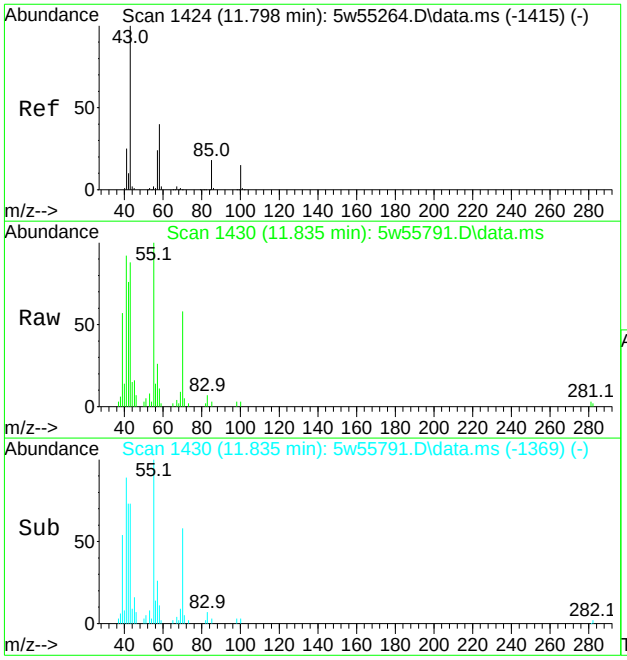




#63
METHYL METHACRYLATE
Concen: 74.0016 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 69 Resp: 2128109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 135.6 | 97.3 | 157.3 |
| 100 | 31.5 | 3.0 | 63.0 |

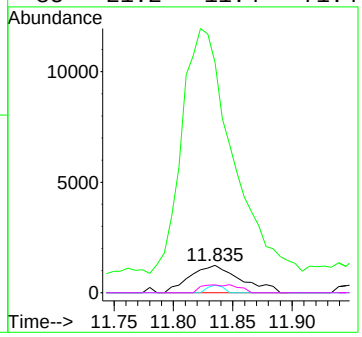


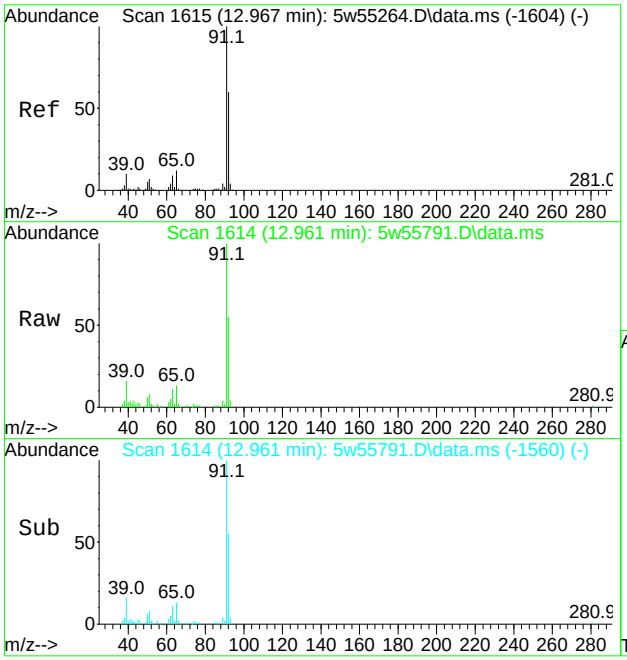



#64
METHYL ISOBUTYL KETONE
Concen: 0.1503 PPBV
RT: 11.835 min Scan# 1430
Delta R.T. 0.043 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp: 3673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 0.0 | 236.1 | 296.1# |
| 100 | 8.6 | 0.7 | 60.7 |
| 85 | 21.2 | 11.4 | 71.4 |

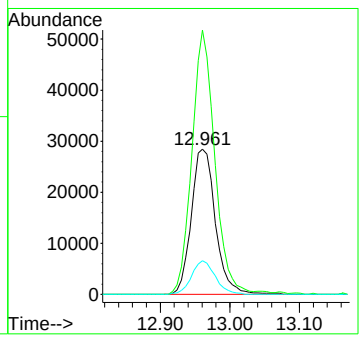


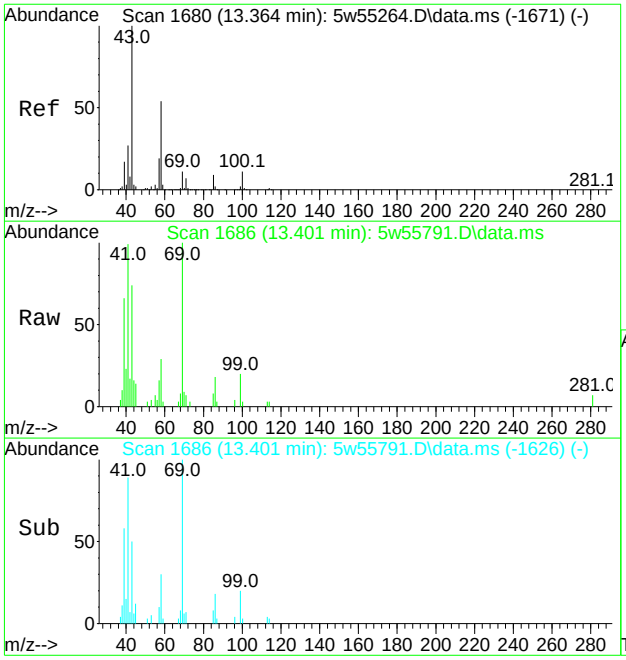




#66
TOLUENE
Concen: 1.1354 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 92 Resp: 68694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.4 | 143.4 | 203.4 |
| 65 | 22.7 | 0.0 | 53.8 |

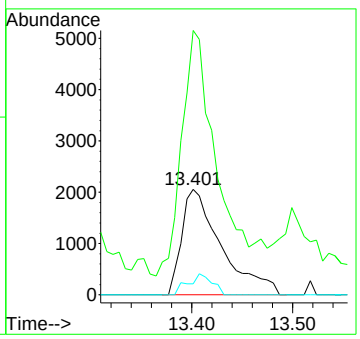


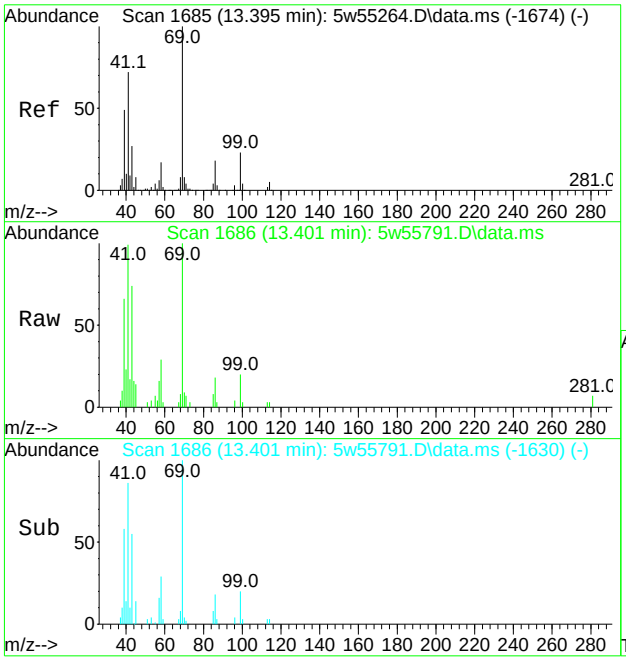



#71
2-HEXANONE
Concen: 0.1641 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 58 Resp: 5592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 215.5 | 159.0 | 219.0 |
| 100 | 12.1 | 0.0 | 47.8 |

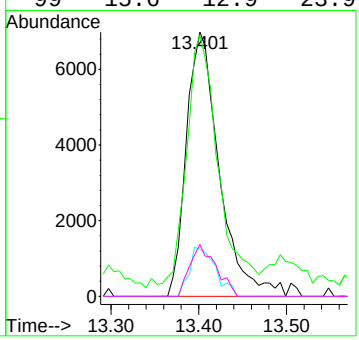


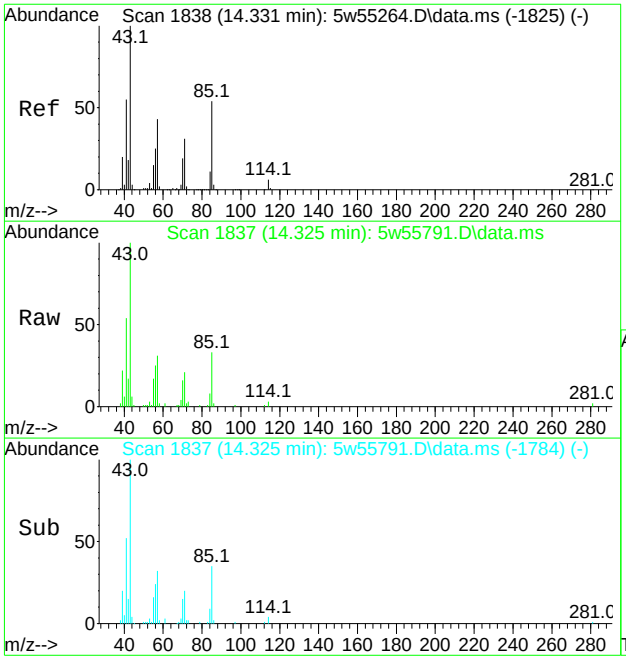




#72
ETHYL METHACRYLATE
Concen: 0.3662 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 69 Resp: 18271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 91.7 | 67.8 | 125.8 |
| 86 | 14.8 | 11.3 | 20.9 |
| 99 | 15.6 | 12.9 | 23.9 |

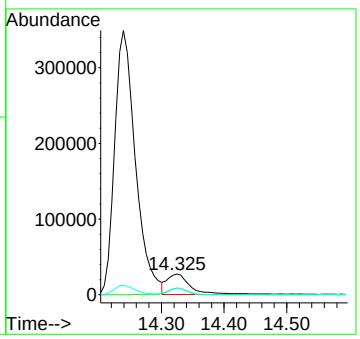


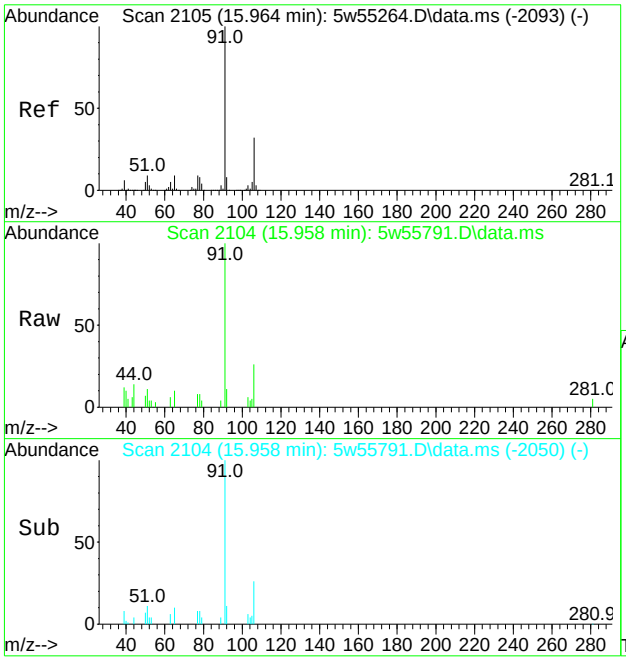



#76
OCTANE
Concen: 1.1557 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 73335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 1.2 | 13.7 | 73.7# |
| 57 | 40.7 | 9.9 | 69.9 |

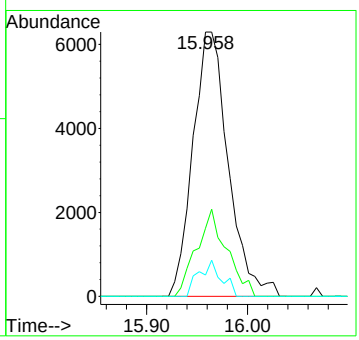


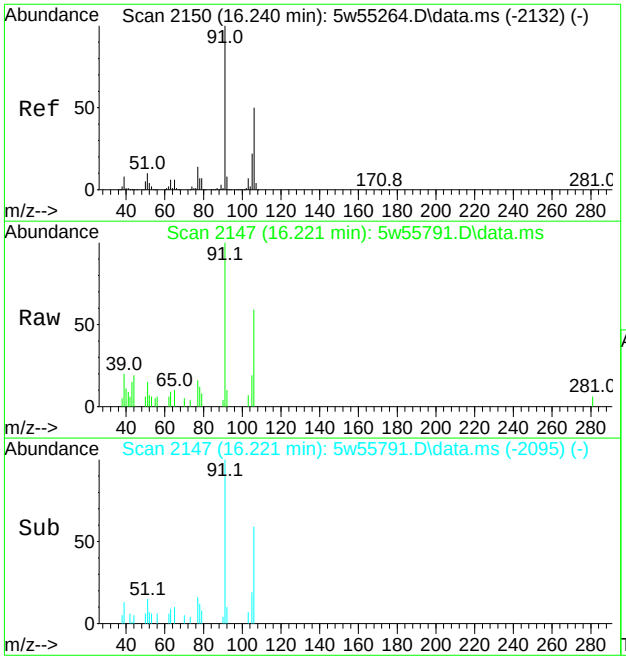




#79
ETHYLBENZENE
Concen: 0.1155 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 91 Resp: 15384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.0 | 0.0 | 59.9 |
| 77 | 8.7 | 0.0 | 39.1 |

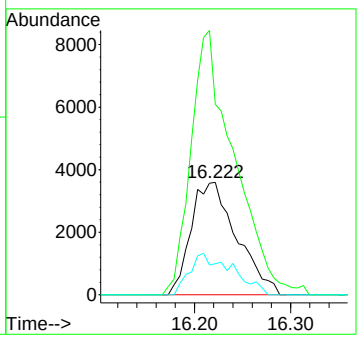


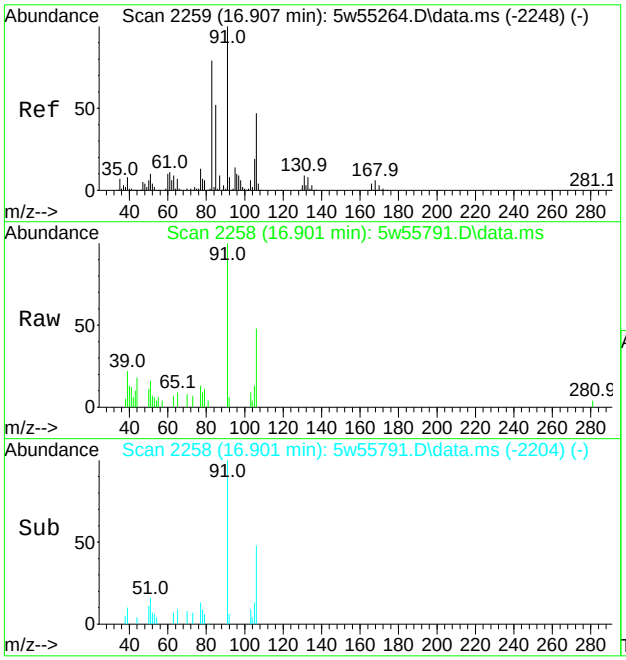



#80
m,p-XYLENE
Concen: 0.2358 PPBV
RT: 16.221 min Scan# 2147
Delta R.T. -0.012 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:106 Resp: 11918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 169.2 | 181.2 | 241.2# |
| 77 | 27.7 | 0.1 | 60.1 |

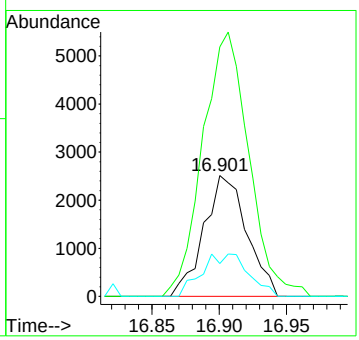


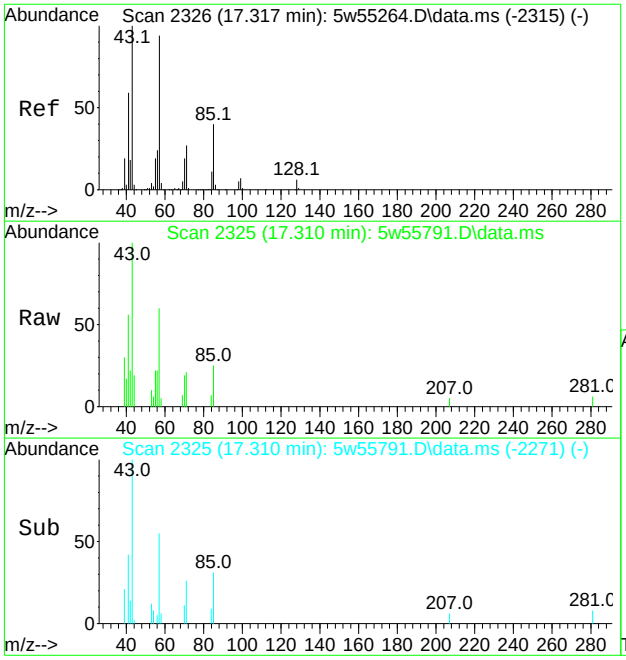




#81
o-XYLENE
Concen: 0.1133 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:106 Resp: 5557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 236.1 | 193.4 | 253.4 |
| 77 | 38.5 | 0.0 | 59.8 |

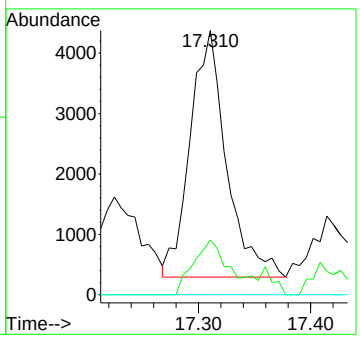


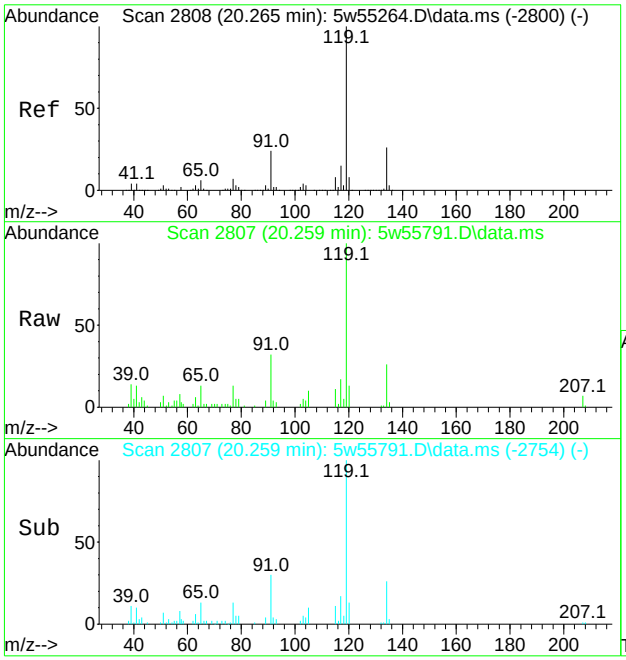



#83
NONANE
Concen: 0.1385 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion: 43 Resp: 9169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 26.9 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

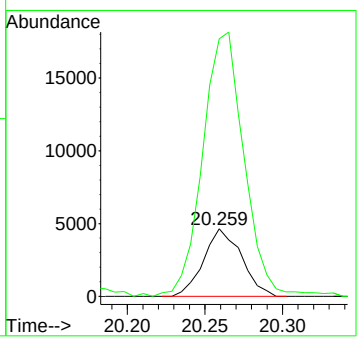



#102
p-ISOPROPYLTOLUENE
Concen: 0.2151 PPBV
RT: 20.259 min Scan# 2807
Delta R.T. -0.006 min
Lab File: 5w55791.D
Acq: 20 Dec 2024 11:46 pm

Tgt Ion:134 Resp: 7884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 119 | 426.2 | 403.4 | 463.4 |



# Manual Integration Approval Summary



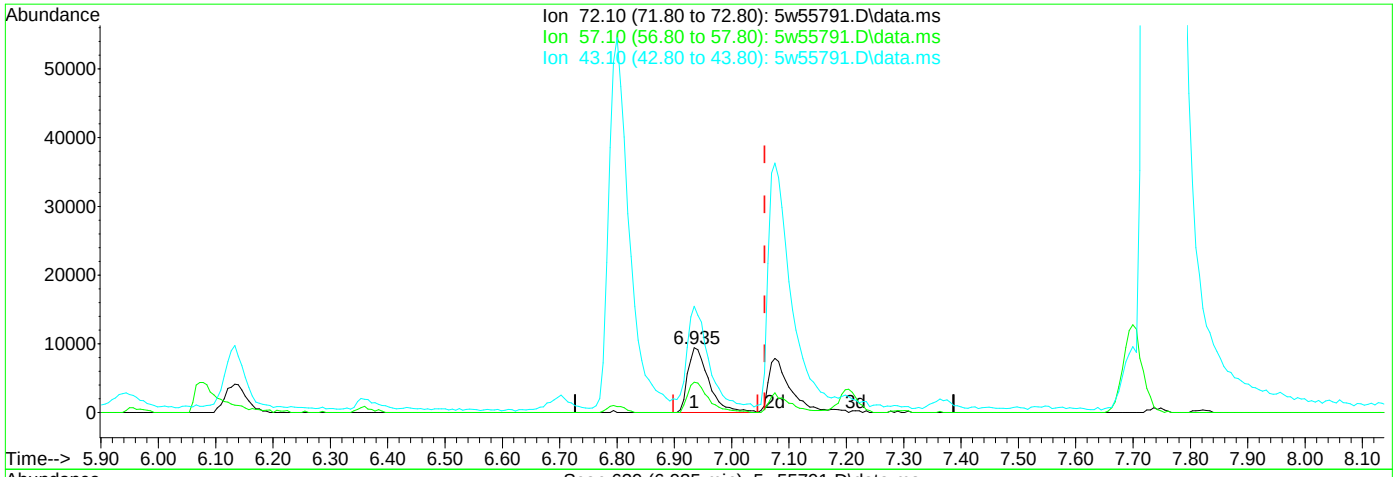
**Sample Number:** JE2490-2
**Lab FileID:** 5W55791.D
**Injection Time:** 12/20/24 23:46
**Method:** TO-15
**Analyst approved:** 12/23/24 03:25 Lucky Carandang
**Supervisor approved:** 12/23/24 11:38 Kanya Veerawat

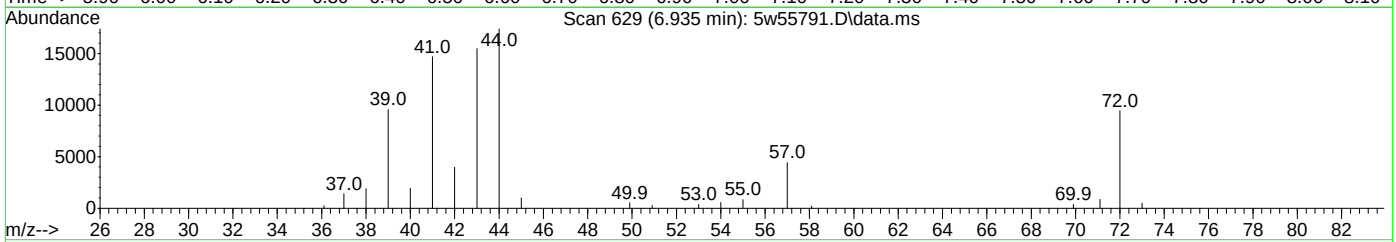
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | | 7.08 | Missed peak |
| Heptane | 142-82-5 | | 11.04 | Missed peak |
| Octane | 111-65-9 | | 14.33 | Overlapping peak |

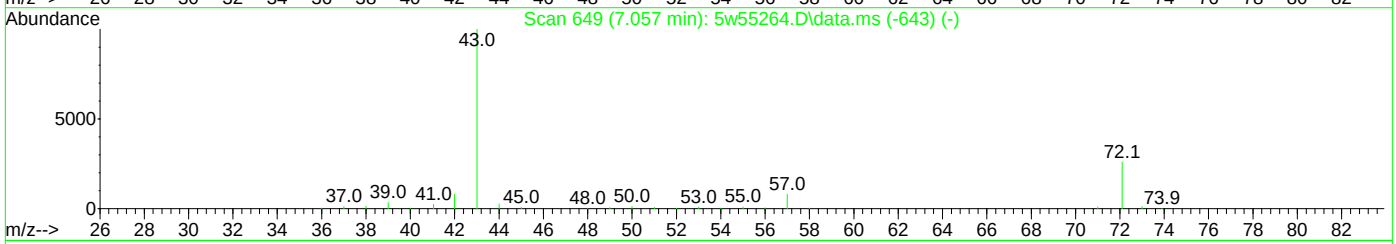
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:09:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55791.D\data.ms

(41) METHYL ETHYL KETONE

6.935min (-0.122) 2.29PPBV

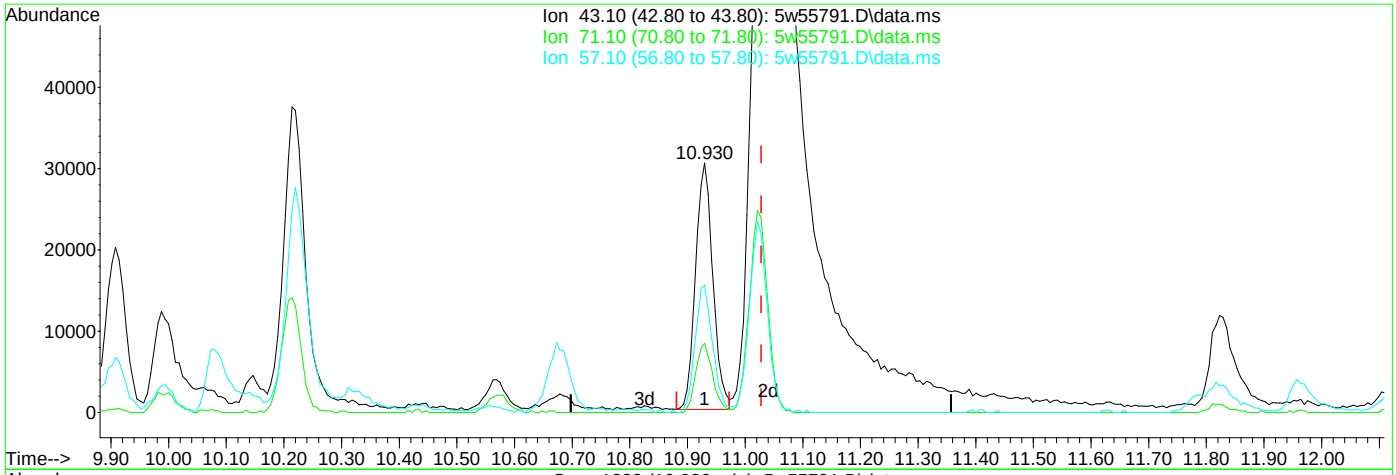
response 24029

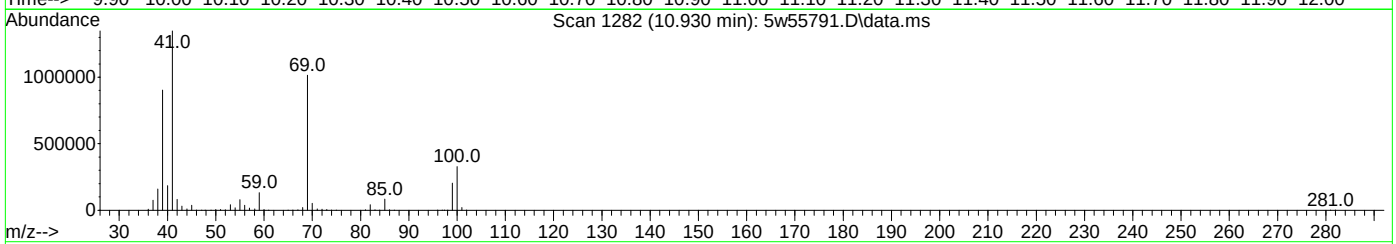
| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 46.68 |
| 43.10 | 420.60 | 163.82# |
| 0.00 | 0.00 | 0.00 |

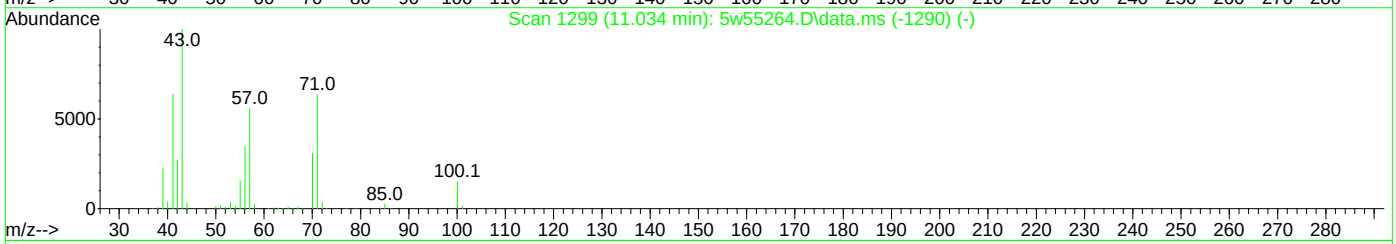
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:09:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55791.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.38PPBV

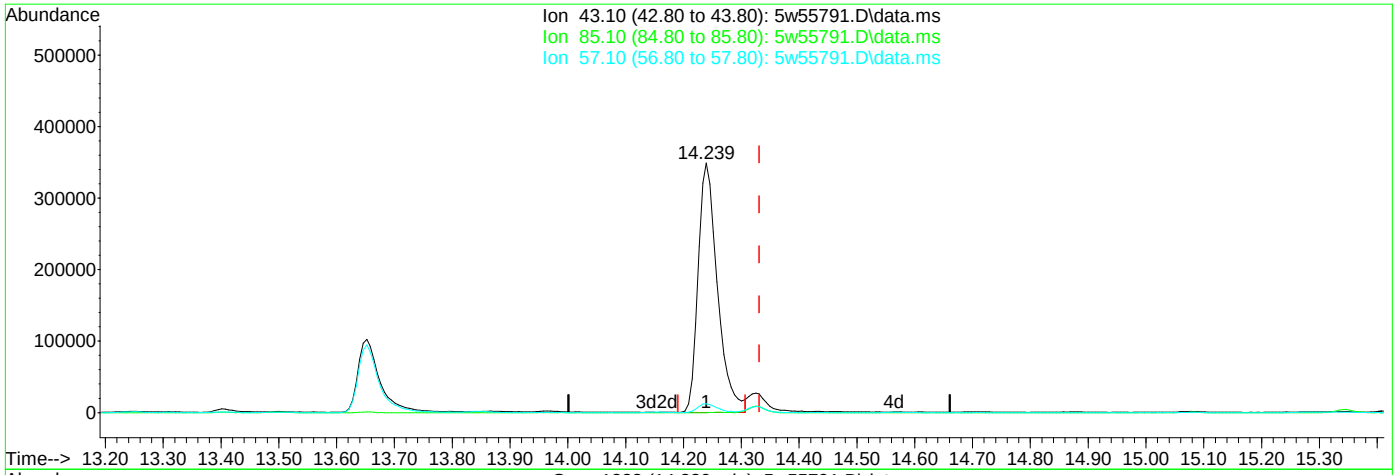
response 63345

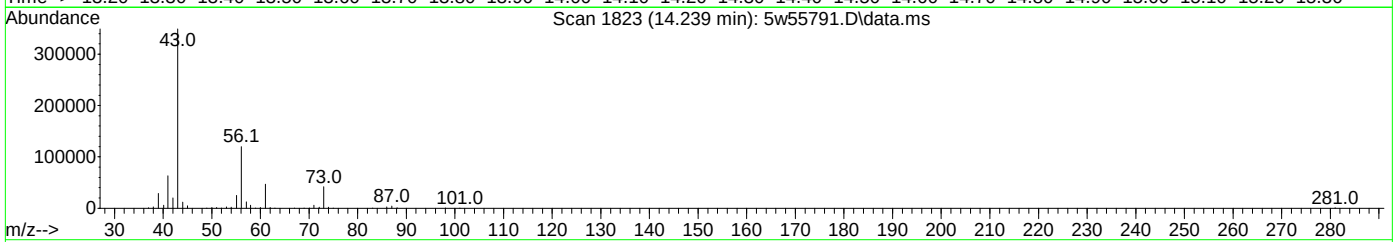
| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 71.10 | 57.20 | 27.57 |
| 57.10 | 52.50 | 52.47 |
| 0.00 | 0.00 | 0.00 |

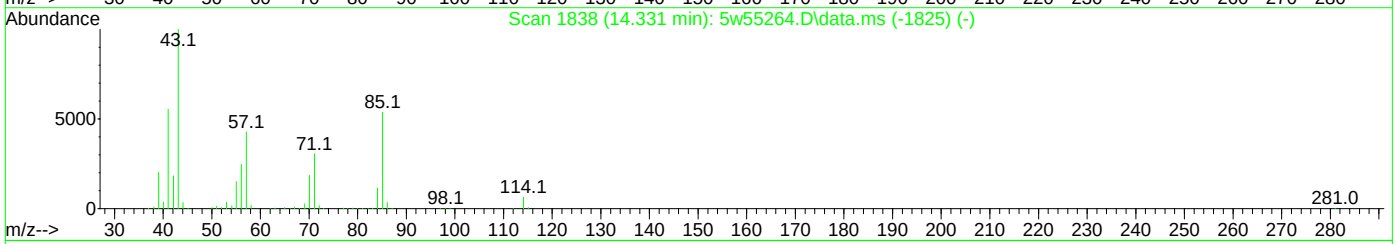
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55791.D
Acq On : 20 Dec 2024 11:46 pm
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:44:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55791.D\data.ms

(76) OCTANE

14.239min (-0.092) 12.80PPBV

response 812269

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 85.10 | 43.70 | 0.11# |
| 57.10 | 39.90 | 3.68# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55792.D
Acq On : 21 Dec 2024 12:26 am
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:45:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

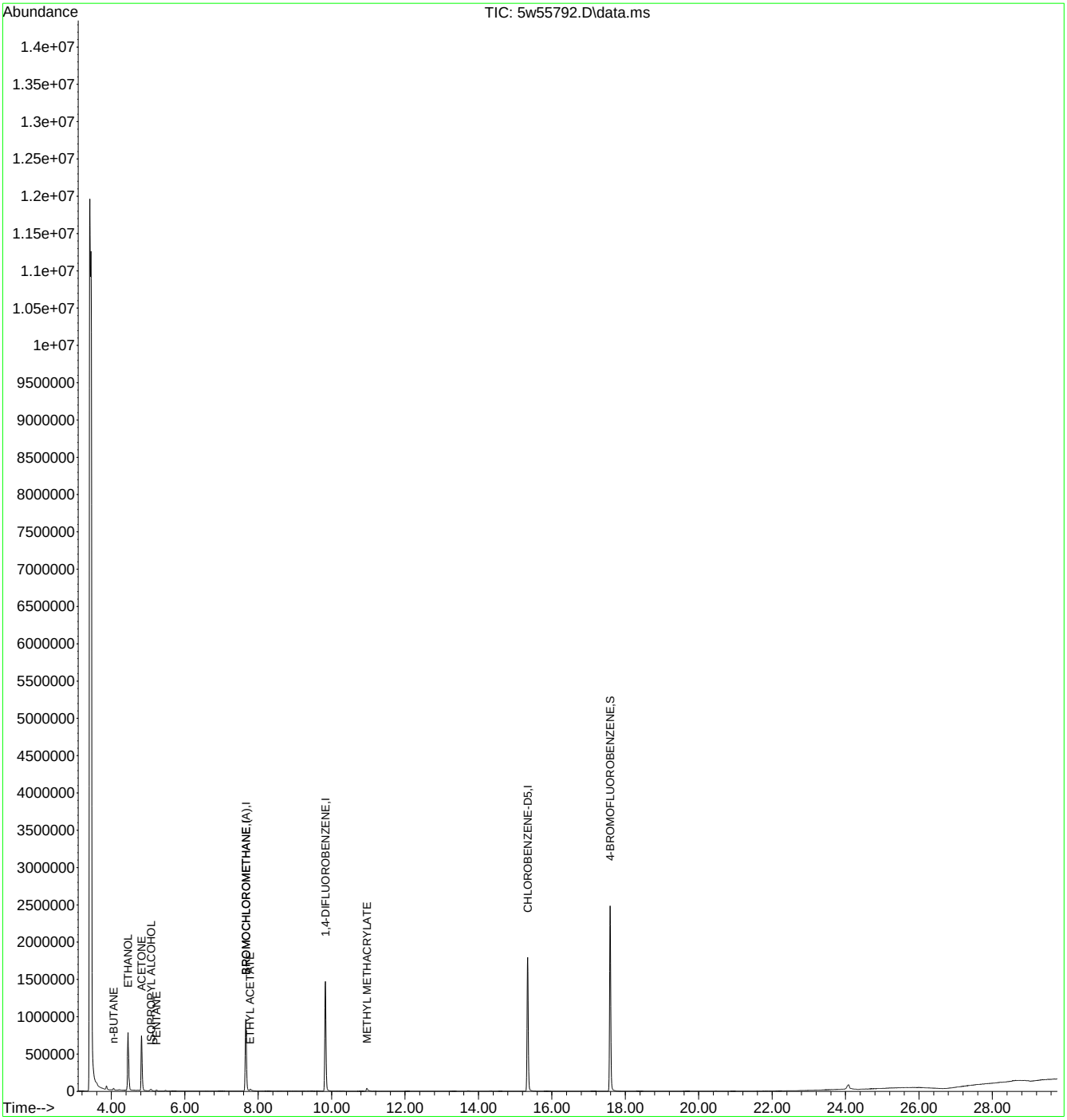
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 263063 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1287566 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 720552 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 263063 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 891336 | 11.05 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) n-BUTANE | 4.059 | 43 | 19546 | 0.3478 | PPBV | # 92 |
| 22) ISOPROPYL ALCOHOL | 5.081 | 45 | 41954 | 0.7453 | PPBV | 88 |
| 23) ACETONE | 4.818 | 58 | 255572 | 12.0456 | PPBV | # 80 |
| 24) PENTANE | 5.228 | 42 | 6864 | 0.2455 | PPBV | 95 |
| 28) ETHANOL | 4.451 | 45 | 1009835 | 48.9505 | PPBV | 100 |
| 44) ETHYL ACETATE | 7.779 | 61 | 4953 | 0.5884 | PPBV | # 65 |
| 63) METHYL METHACRYLATE | 10.960 | 69 | 23013 | 0.7417 | PPBV | 81 |

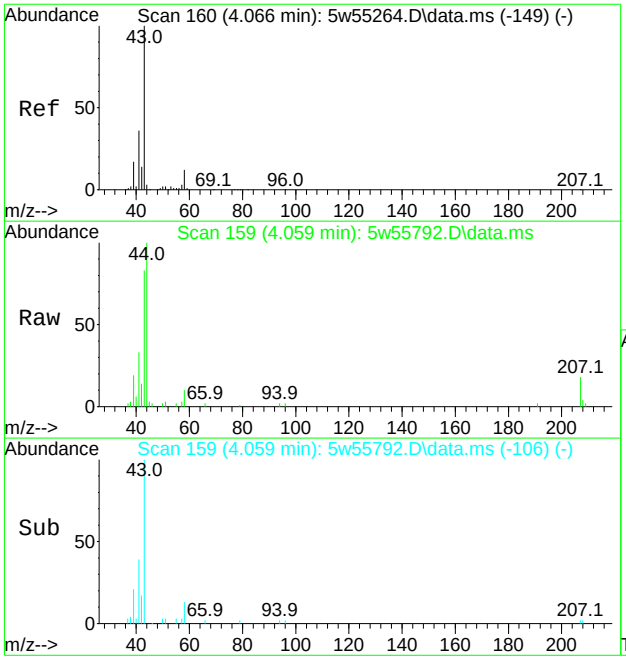
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55792.D
Acq On : 21 Dec 2024 12:26 am
Operator : thomash
Sample : je2490-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1.45
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 23 07:45:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

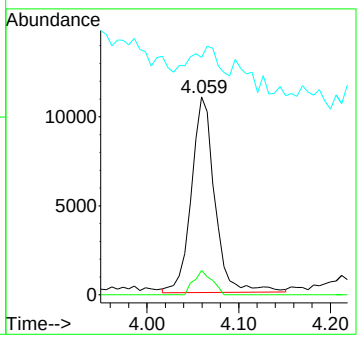


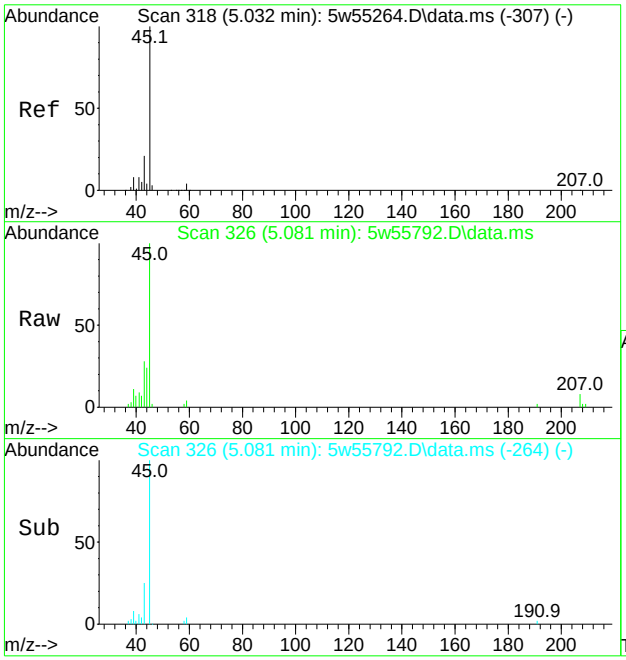



#13
n-BUTANE
Concen: 0.3478 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 43 Resp: 19546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.7 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

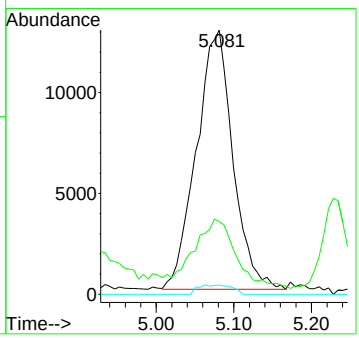


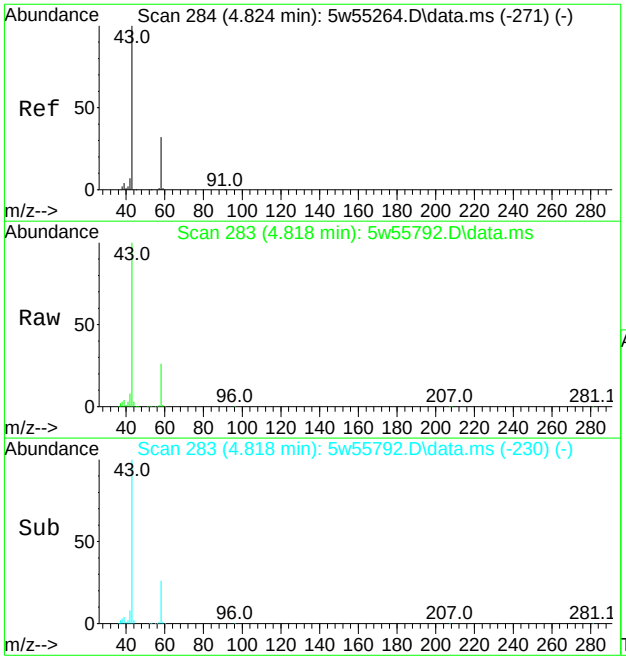




#22
ISOPROPYL ALCOHOL
Concen: 0.7453 PPBV
RT: 5.081 min Scan# 326
Delta R.T. 0.049 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 45 Resp: 41954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.5 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

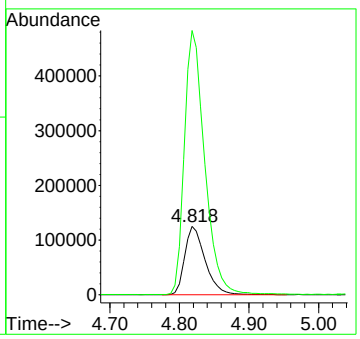


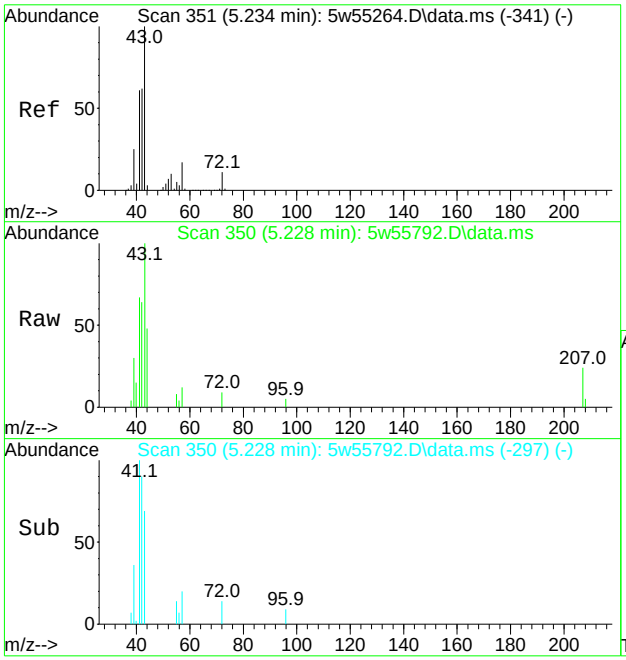



#23
ACETONE
Concen: 12.0456 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 58 Resp: 255572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 384.9 | 312.3 | 372.3# |

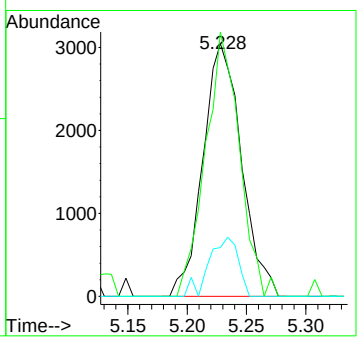


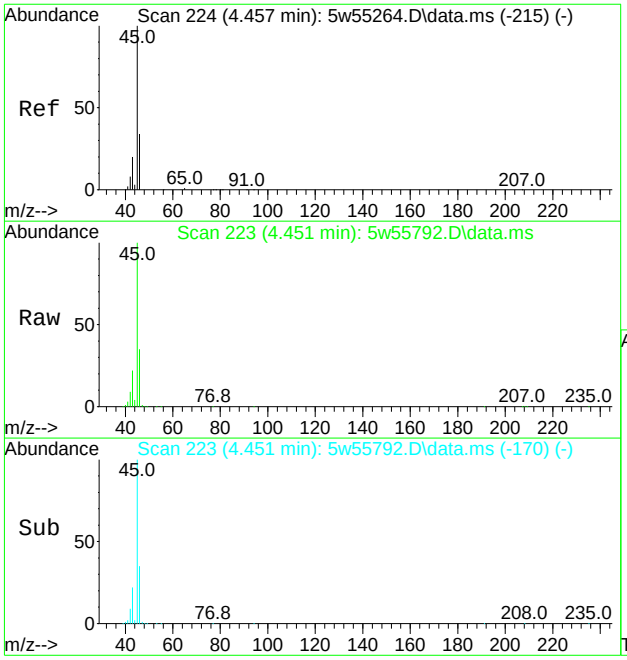




#24
PENTANE
Concen: 0.2455 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 42 Resp: 6864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 92.2 | 64.4 | 124.4 |
| 57 | 17.6 | 0.0 | 55.0 |

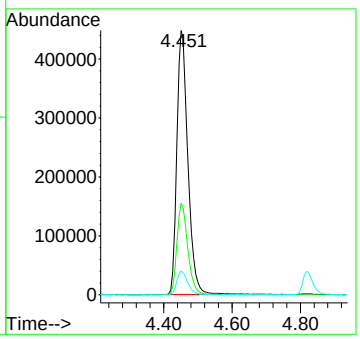


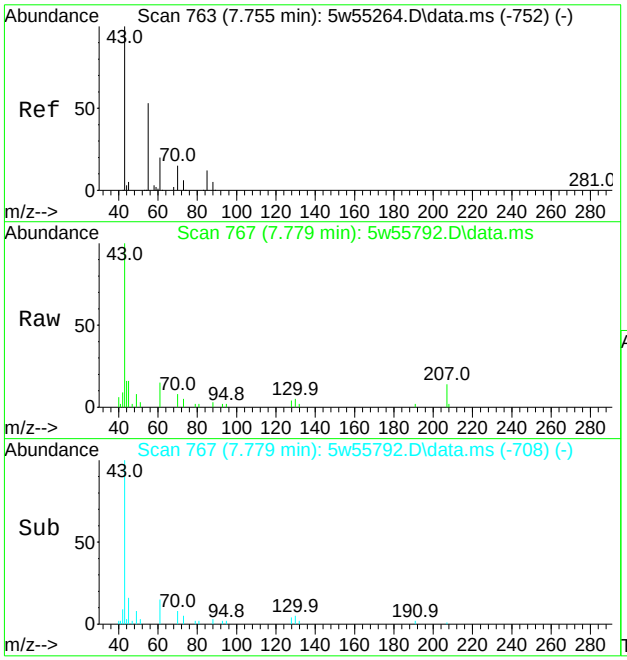



#28
ETHANOL
Concen: 48.9505 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 45 Resp: 1009835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.6 | 4.5 | 64.5 |
| 42 | 9.0 | 0.0 | 38.6 |

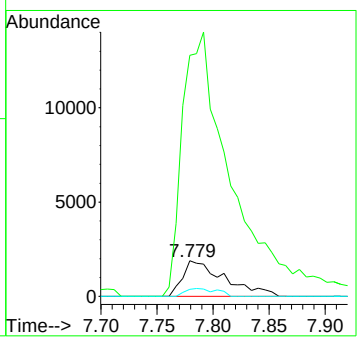


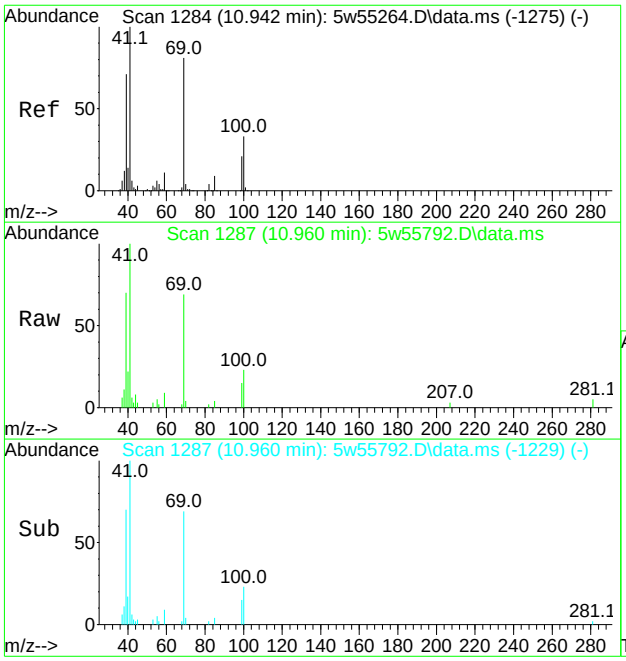




#44
ETHYL ACETATE
Concen: 0.5884 PPBV
RT: 7.779 min Scan# 767
Delta R.T. 0.030 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 61 Resp: 4953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 946.1 | 0.0 | 30.0# |
| 88 | 16.7 | 7.3 | 67.3 |

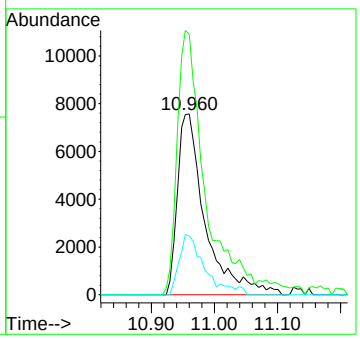





#63
METHYL METHACRYLATE
Concen: 0.7417 PPBV
RT: 10.960 min Scan# 1287
Delta R.T. 0.024 min
Lab File: 5w55792.D
Acq: 21 Dec 2024 12:26 am

Tgt Ion: 69 Resp: 23013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 153.8 | 97.3 | 157.3 |
| 100 | 30.9 | 3.0 | 63.0 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55793.D
Acq On : 21 Dec 2024 1:09 am
Operator : thomash
Sample : je2490-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 23 07:47:44 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

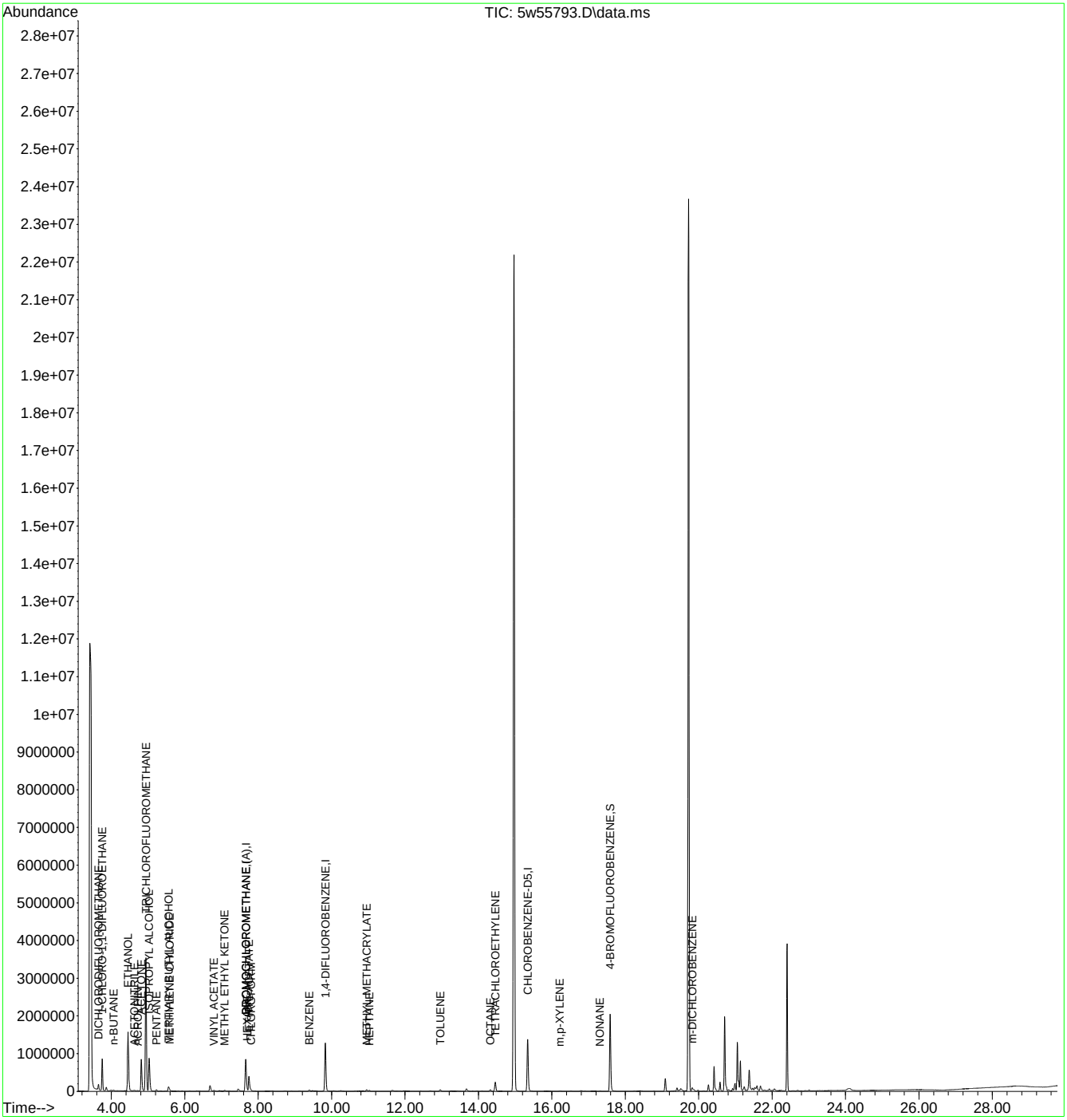
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 230773 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1129671 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 553501 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 230773 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 733906 | 11.85 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 118.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 128586 | 1.5247 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.747 | 65 | 760156 | 8.8020 | PPBV | 98 |
| 13) n-BUTANE | 4.059 | 43 | 19792 | 0.4014 | PPBV # | 95 |
| 17) ACETONITRILE | 4.622 | 41 | 17857 | 0.6271 | PPBV | 96 |
| 18) ACROLEIN | 4.714 | 56 | 5724 | 0.4603 | PPBV | 81 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 2837970 | 36.4147 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1219335 | 24.6931 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 291049 | 15.6371 | PPBV # | 85 |
| 24) PENTANE | 5.228 | 42 | 17000 | 0.6930 | PPBV | 97 |
| 28) ETHANOL | 4.451 | 45 | 2000346 | 110.5316 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 8584 | 0.3546 | PPBV | 90 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 142858 | 3.0755 | PPBV | 88 |
| 38) HEXANE | 7.693 | 57 | 12345 | 0.3414 | PPBV | 90 |
| 39) VINYL ACETATE | 6.794 | 86 | 2151 | 0.5205 | PPBV # | 63 |
| 41) METHYL ETHYL KETONE | 7.075 | 72 | 10193 | 1.0183 | PPBV # | 84 |
| 44) ETHYL ACETATE | 7.748 | 61 | 72495 | 9.8174 | PPBV # | 76 |
| 46) CHLOROFORM | 7.803 | 83 | 11459 | 0.1934 | PPBV | 96 |
| 52) BENZENE | 9.394 | 78 | 35011 | 0.4276 | PPBV | 98 |
| 62) HEPTANE | 11.028 | 43 | 13679 | 0.3150 | PPBV | 78 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 21978 | 0.8074 | PPBV | 95 |
| 66) TOLUENE | 12.961 | 92 | 21495 | 0.3753 | PPBV | 100 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 68144 | 1.8849 | PPBV | 85 |
| 76) OCTANE | 14.325 | 43 | 29185 | 0.6003 | PPBV | 74 |
| 80) m,p-XYLENE | 16.209 | 106 | 5512 | 0.1424 | PPBV # | 76 |
| 83) NONANE | 17.304 | 43 | 5333 | 0.1051 | PPBV # | 80 |
| 97) m-DICHLOROBENZENE | 19.825 | 146 | 12193 | 0.1609 | PPBV | 97 |

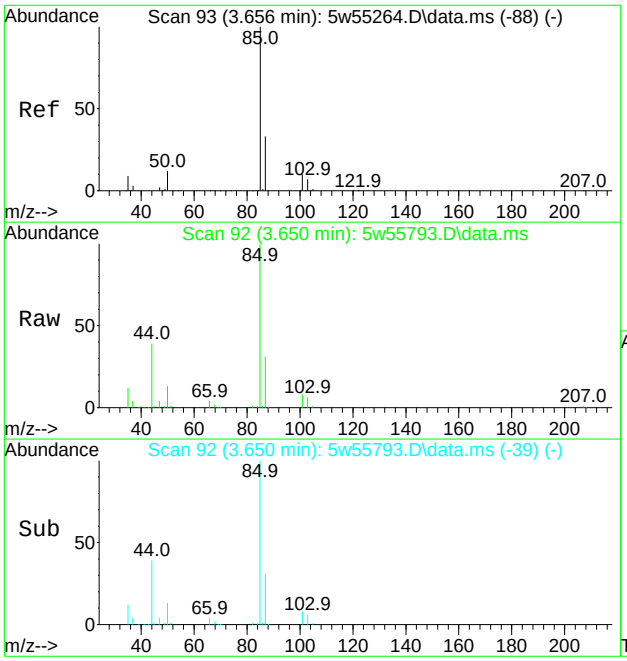
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55793.D
Acq On : 21 Dec 2024 1:09 am
Operator : thomash
Sample : je2490-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 23 07:47:44 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

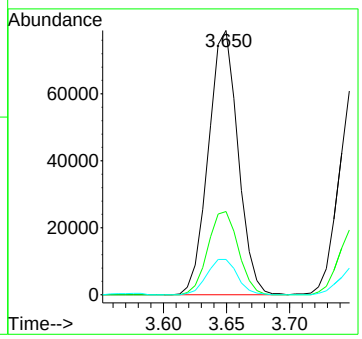


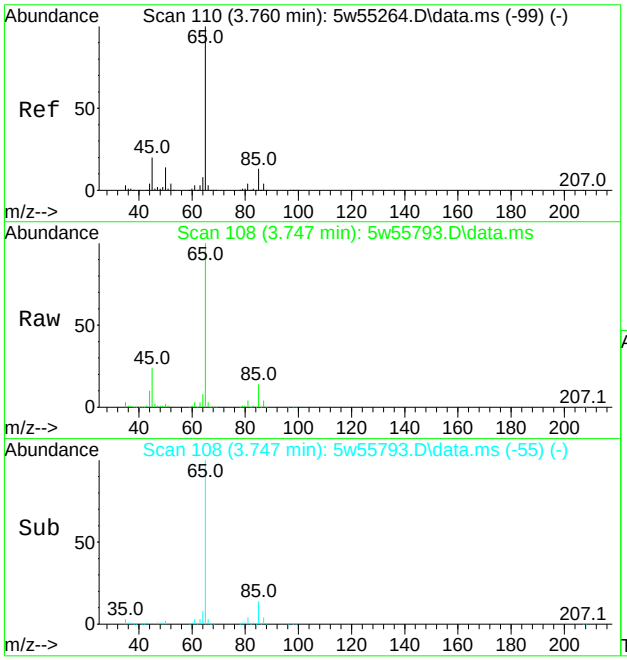



#6
DICHLORODIFLUOROMETHANE
Concen: 1.5247 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 85 Resp: 128586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 2.6 | 62.6 |
| 50 | 13.8 | 0.0 | 43.0 |

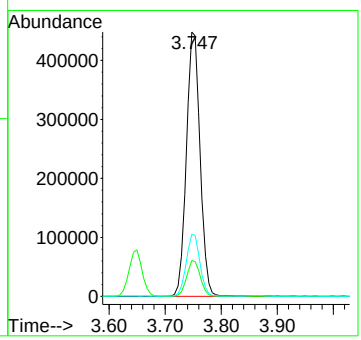


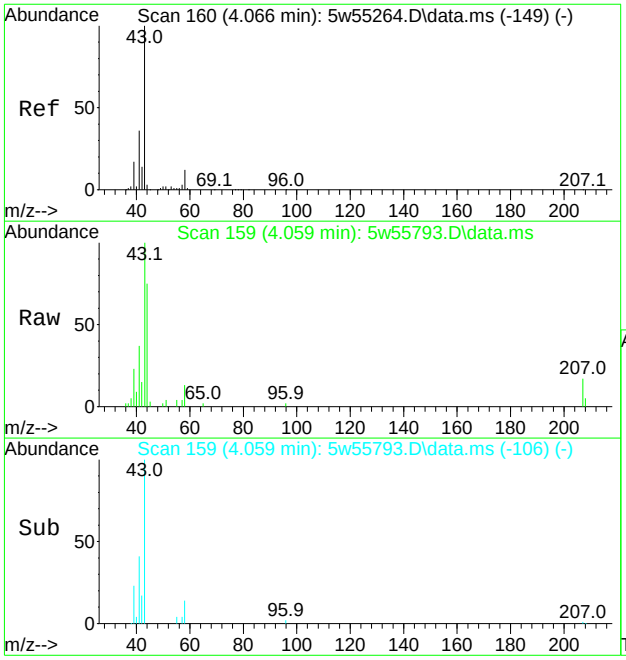




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 8.8020 PPBV
RT: 3.747 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 65 Resp: 760156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.5 | 10.1 | 18.7 |
| 45 | 23.3 | 15.9 | 29.5 |

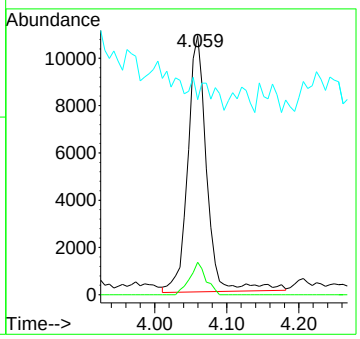


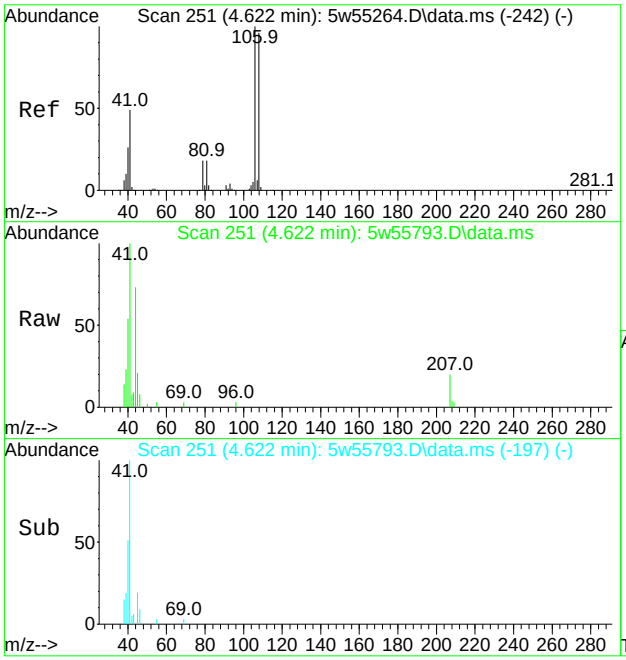



#13
n-BUTANE
Concen: 0.4014 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 19792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.9 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

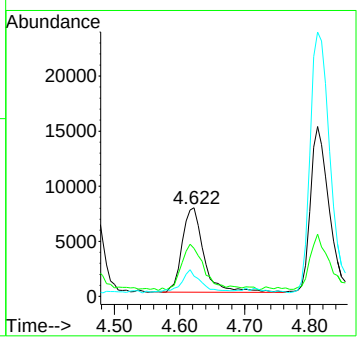


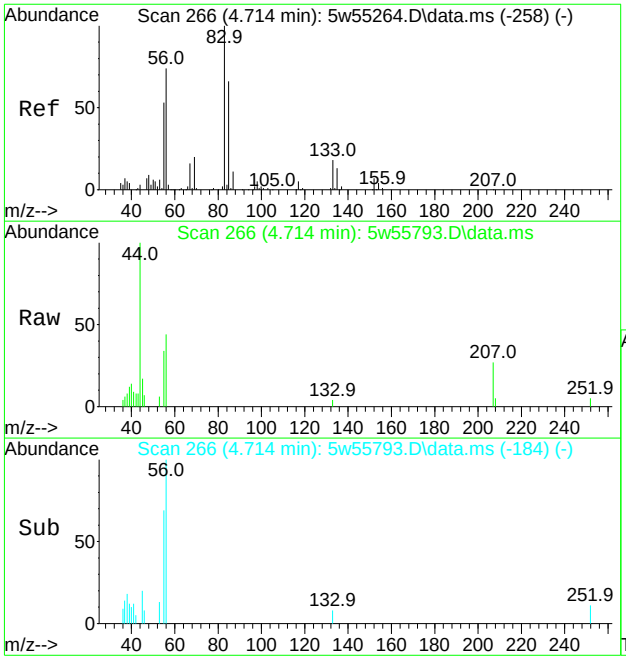




#17
ACETONITRILE
Concen: 0.6271 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 41 Resp: 17857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 57.6 | 38.4 | 71.4 |
| 39 | 21.6 | 13.7 | 25.5 |

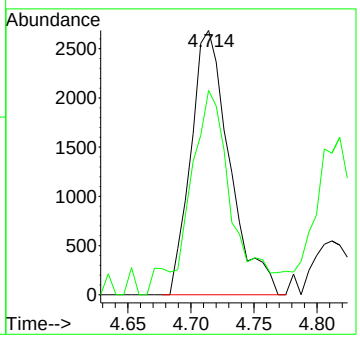


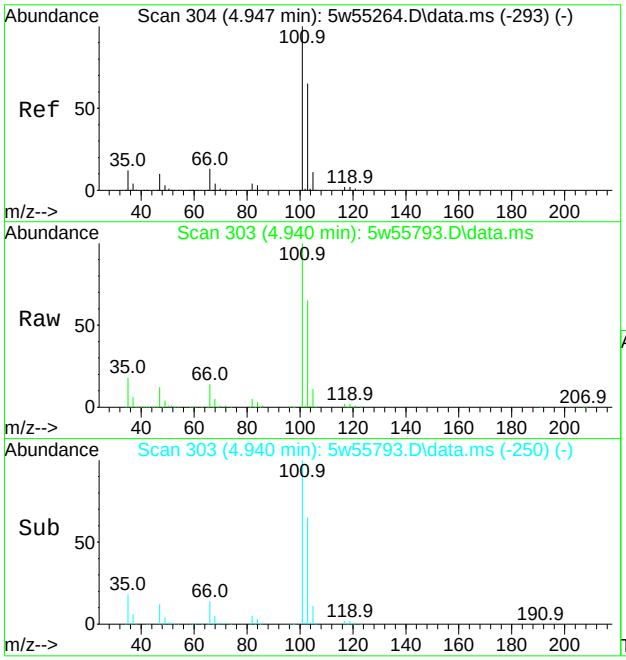



#18
ACROLEIN
Concen: 0.4603 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 56 Resp: 5724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 87.2 | 49.8 | 92.6 |

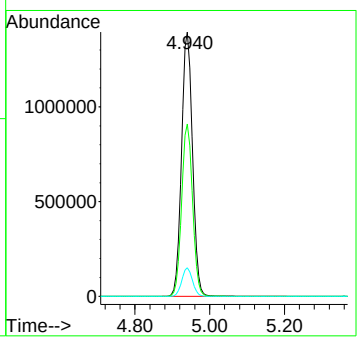


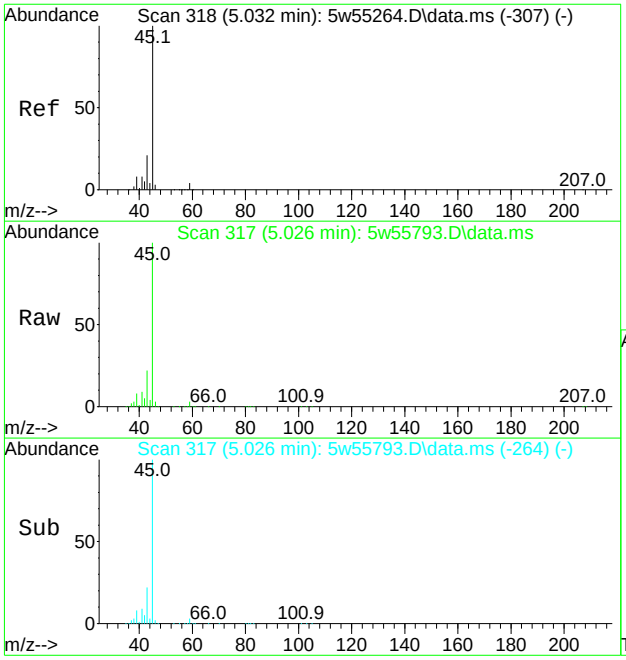




#21
TRICHLOROFLUOROMETHANE
Concen: 36.4147 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:101 Resp: 2837970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.1 | 34.7 | 94.7 |
| 105 | 10.6 | 0.0 | 40.5 |

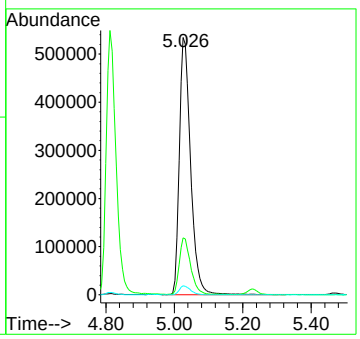


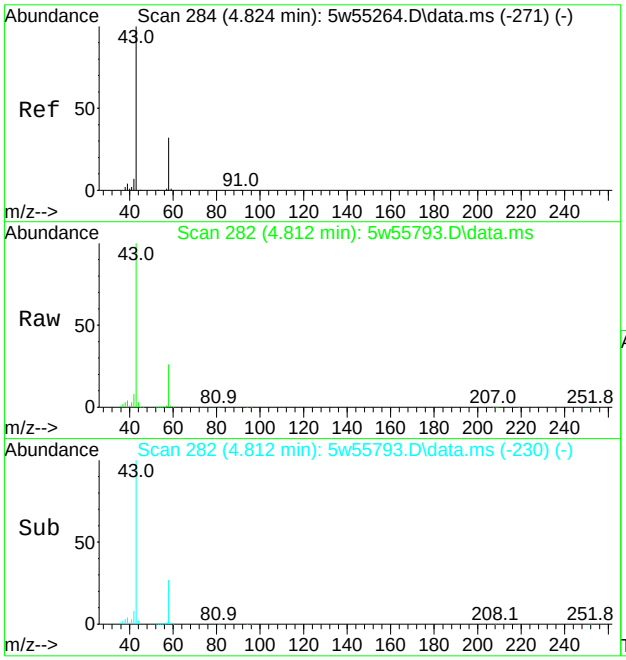



#22
ISOPROPYL ALCOHOL
Concen: 24.6931 PPBV
RT: 5.026 min Scan# 317
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 45 Resp: 1219335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.1 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

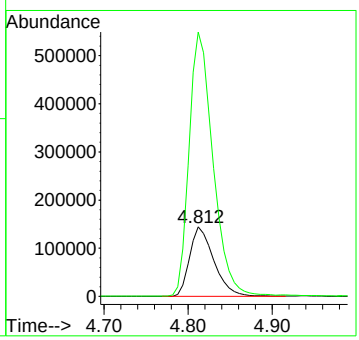


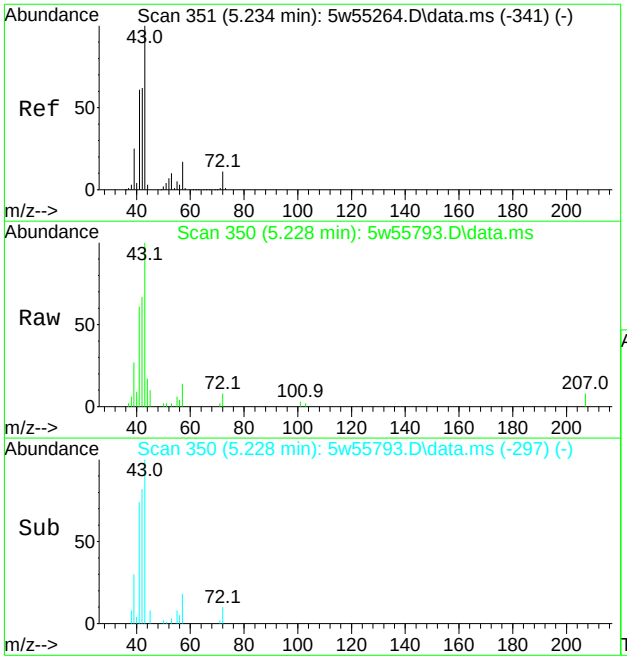




#23
ACETONE
Concen: 15.6371 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 58 Resp: 291049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 374.5 | 312.3 | 372.3# |

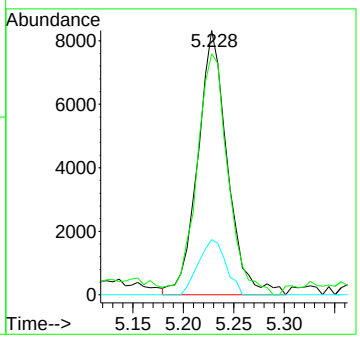


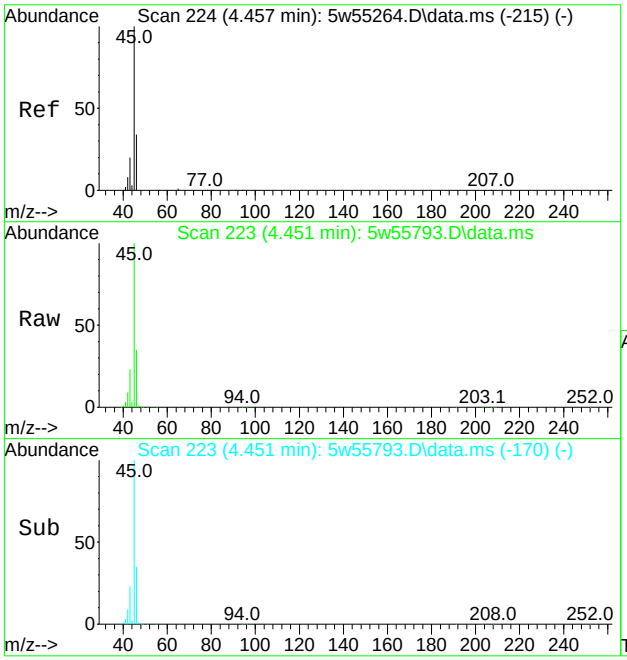



#24
PENTANE
Concen: 0.6930 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 42 Resp: 17000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 95.7 | 64.4 | 124.4 |
| 57 | 19.2 | 0.0 | 55.0 |

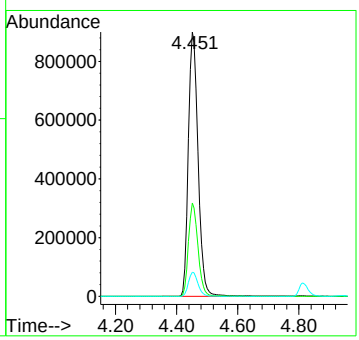


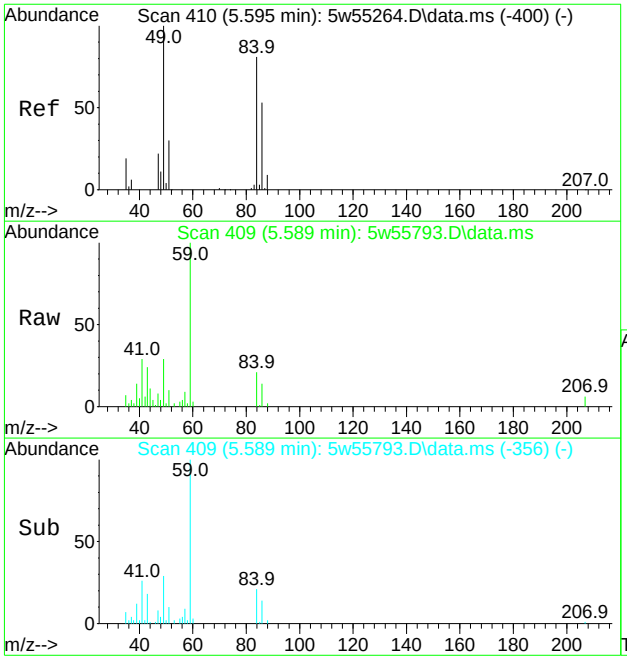




#28
ETHANOL
Concen: 110.5316 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 45 Resp: 2000346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 8.9 | 0.0 | 38.6 |

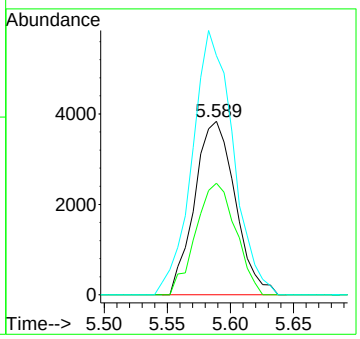


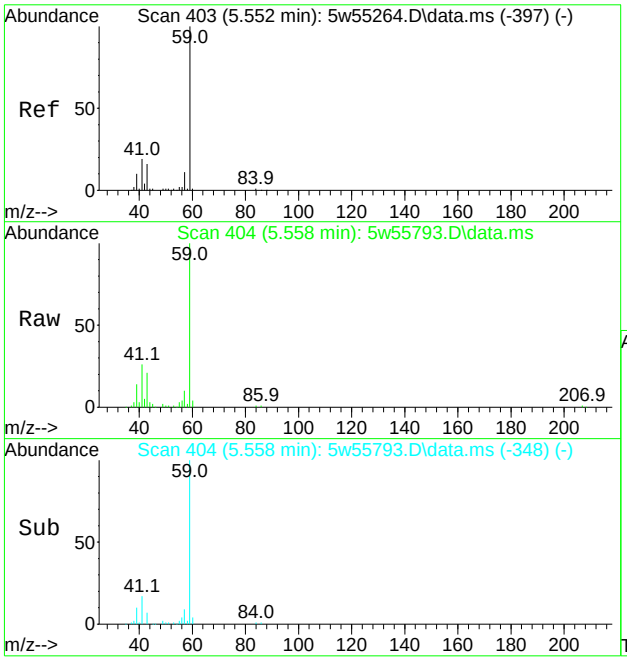



#31
METHYLENE CHLORIDE
Concen: 0.3546 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 84 Resp: 8584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.1 | 34.0 | 94.0 |
| 49 | 153.3 | 105.8 | 165.8 |

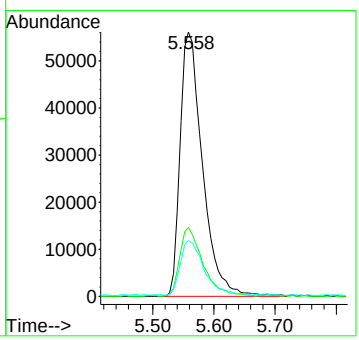


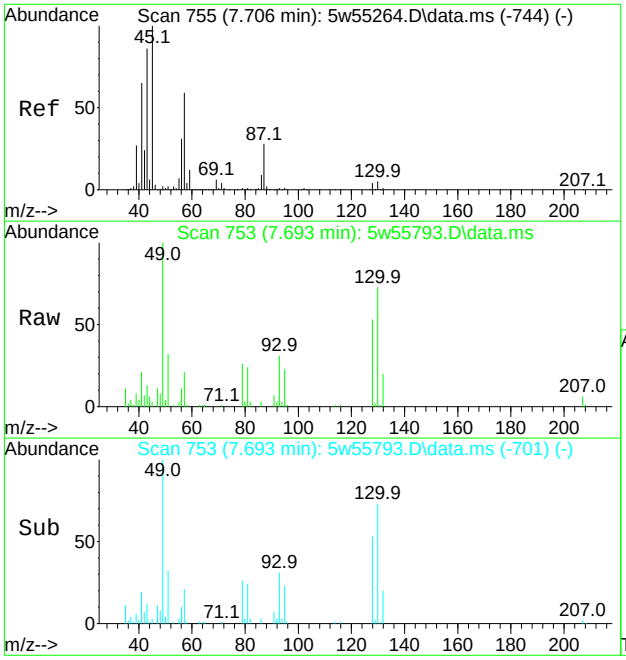




#35
TERTIARY BUTYL ALCOHOL
Concen: 3.0755 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 59 Resp: 142858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 27.0 | 0.0 | 53.1 |
| 43 | 24.7 | 0.0 | 47.1 |

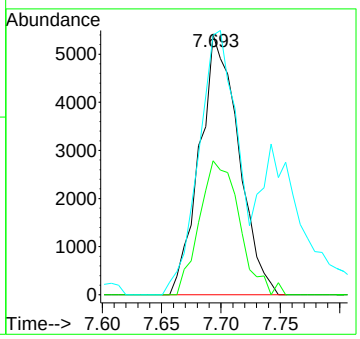


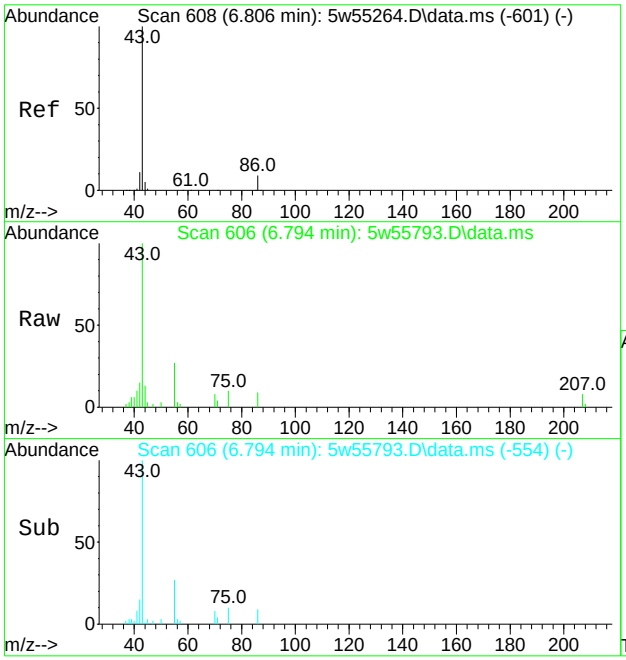



#38
HEXANE
Concen: 0.3414 PPBV
RT: 7.693 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 57 Resp: 12345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 52.7 | 24.2 | 84.2 |
| 41 | 106.2 | 92.1 | 152.1 |

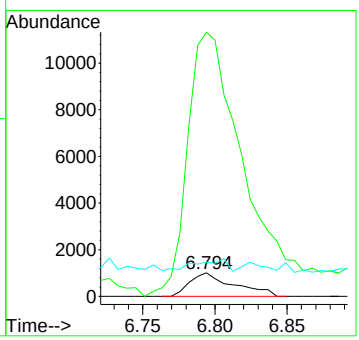


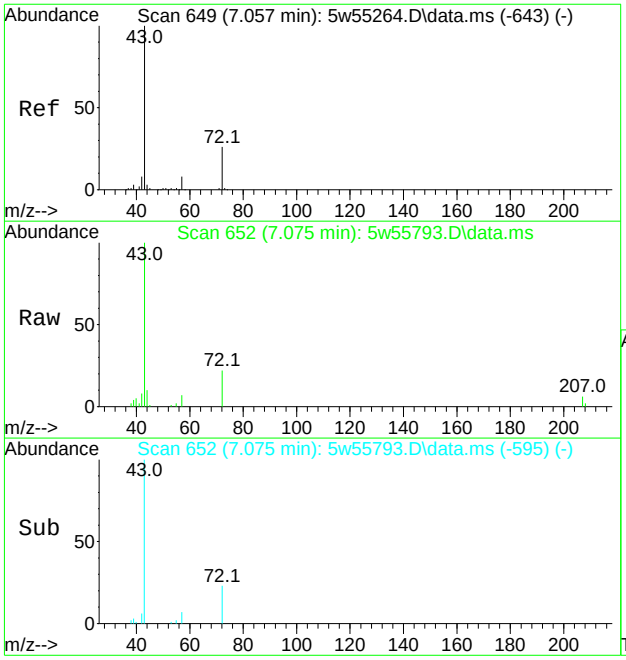




#39
VINYL ACETATE
Concen: 0.5205 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 86 Resp: 2151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1570.2 | 1335.5 | 1395.5# |
| 44 | 33.5 | 40.9 | 100.9# |

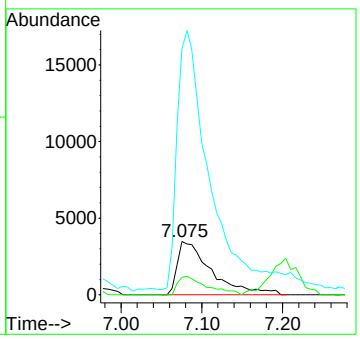


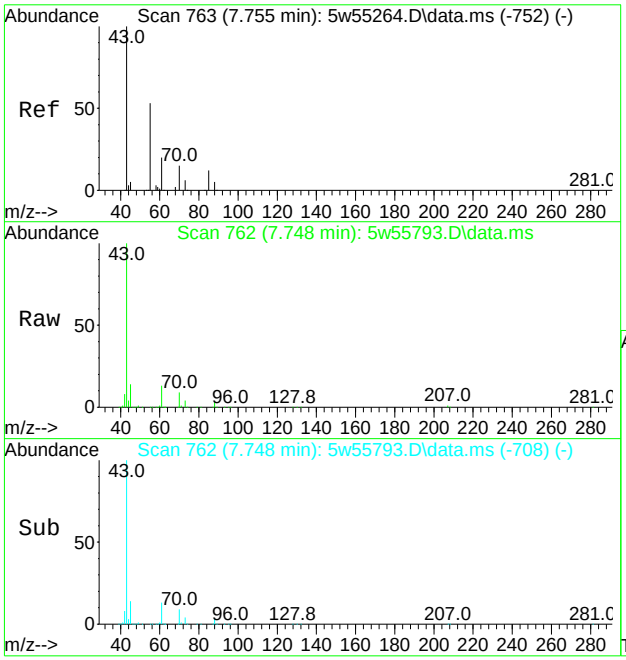



#41
METHYL ETHYL KETONE
Concen: 1.0183 PPBV
RT: 7.075 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 72 Resp: 10193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 32.8 | 1.1 | 61.1 |
| 43 | 462.0 | 390.6 | 450.6# |

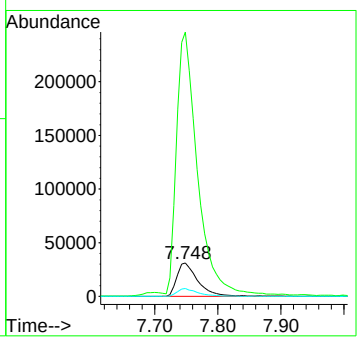


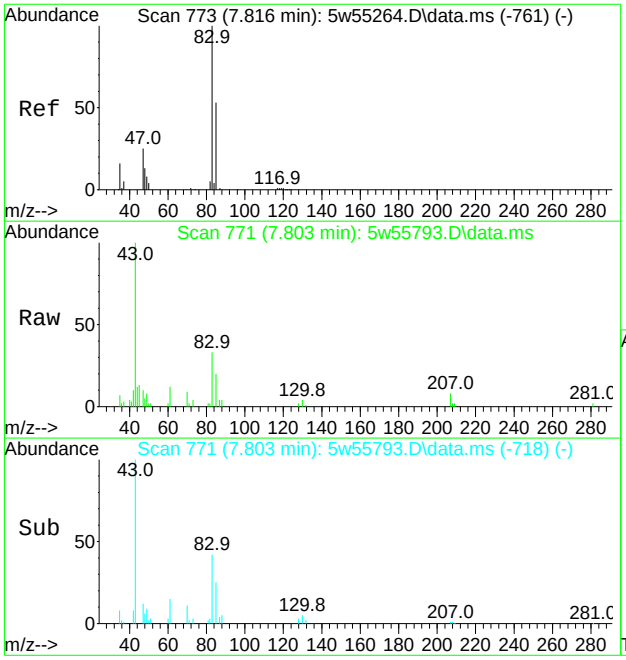




#44
ETHYL ACETATE
Concen: 9.8174 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 61 Resp: 72495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 797.8 | 0.0 | 30.0# |
| 88 | 22.9 | 7.3 | 67.3 |

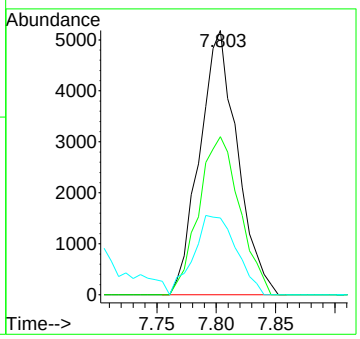


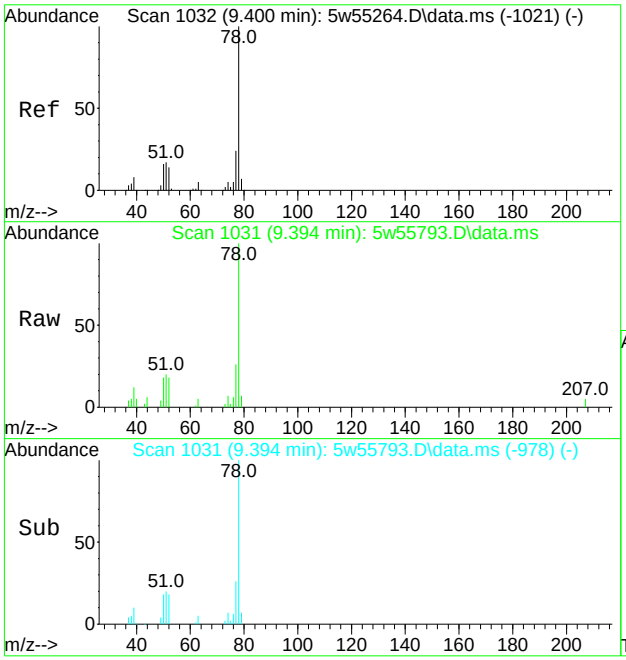



#46
CHLOROFORM
Concen: 0.1934 PPBV
RT: 7.803 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 83 Resp: 11459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 35.5 | 95.5 |
| 47 | 33.6 | 0.0 | 56.8 |

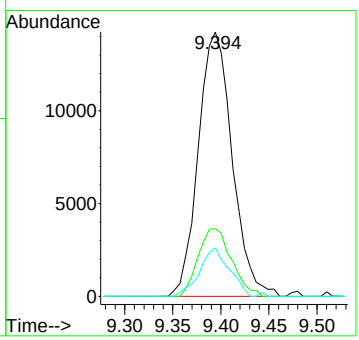


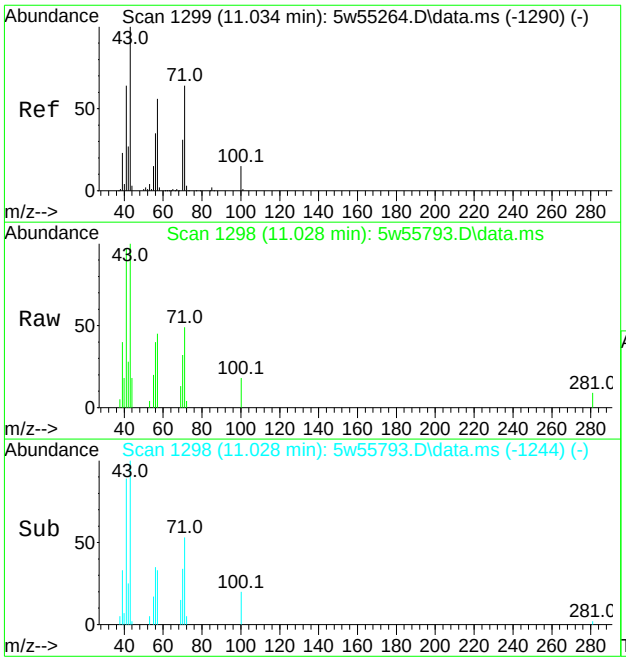




#52
BENZENE
Concen: 0.4276 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 78 Resp: 35011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 0.0 | 54.0 |
| 52 | 16.1 | 0.0 | 45.6 |

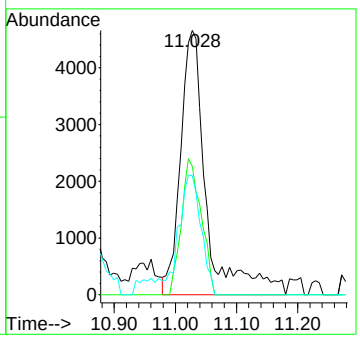


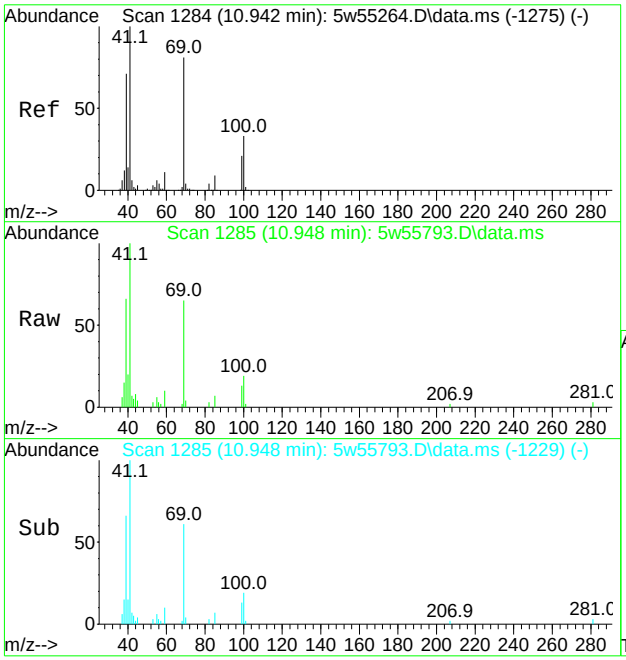



#62
HEPTANE
Concen: 0.3150 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 13679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 39.6 | 27.2 | 87.2 |
| 57 | 38.1 | 22.5 | 82.5 |

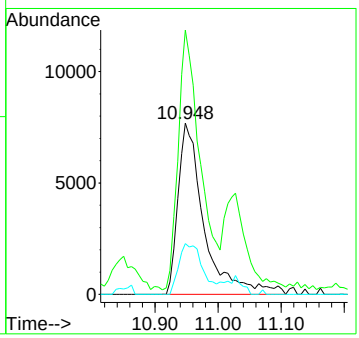


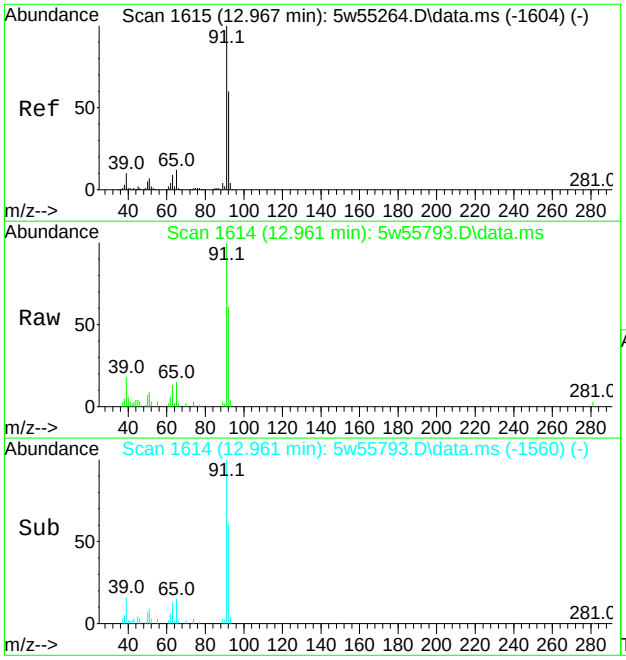




#63
METHYL METHACRYLATE
Concen: 0.8074 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 69 Resp: 21978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 134.0 | 97.3 | 157.3 |
| 100 | 33.9 | 3.0 | 63.0 |

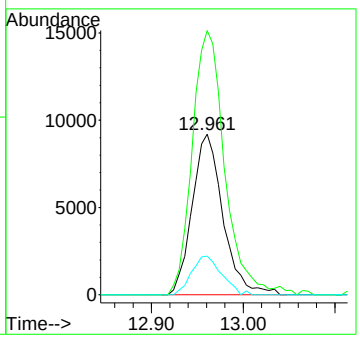


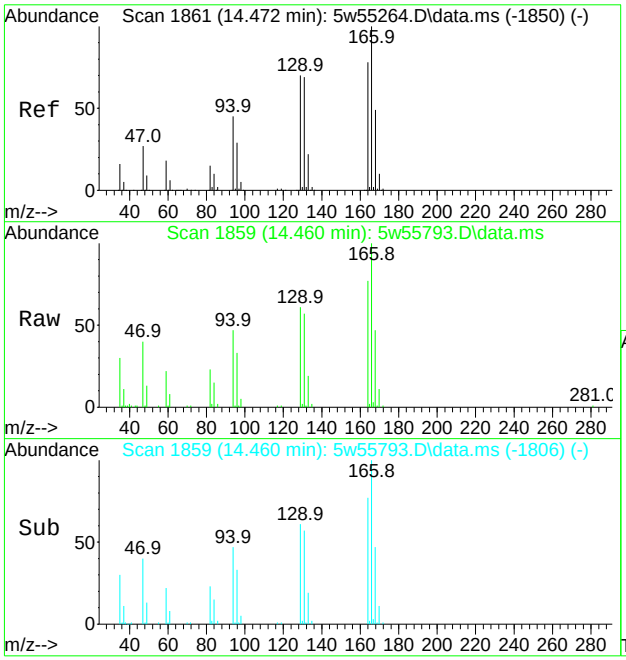



#66
TOLUENE
Concen: 0.3753 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 92 Resp: 21495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.9 | 143.4 | 203.4 |
| 65 | 23.5 | 0.0 | 53.8 |

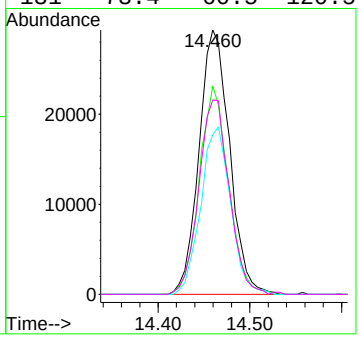


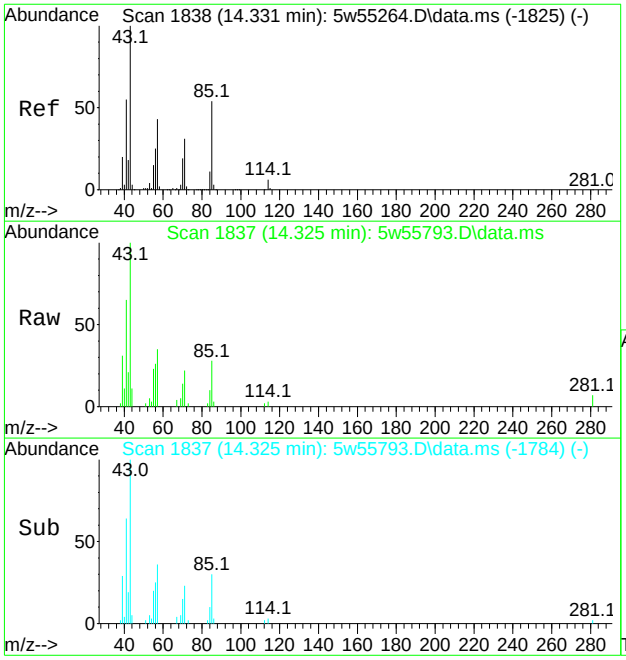




#73
TETRACHLOROETHYLENE
Concen: 1.8849 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:164 Resp: 68144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 74.4 | 64.4 | 124.4 |
| 168 | 61.8 | 31.2 | 91.2 |
| 131 | 73.4 | 60.5 | 120.5 |

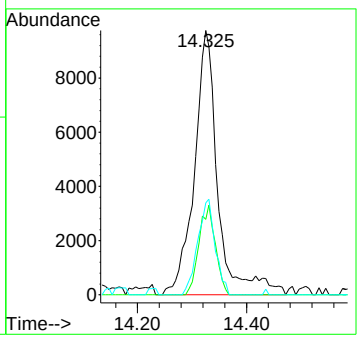


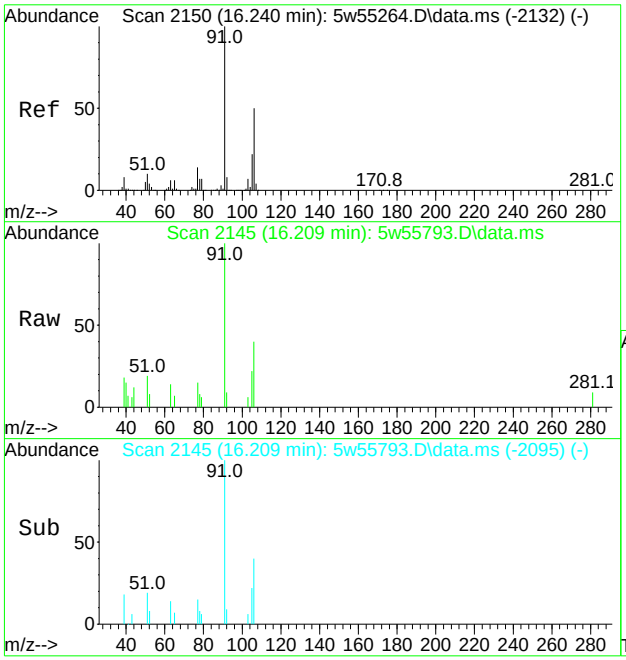



#76
OCTANE
Concen: 0.6003 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 29185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 23.8 | 13.7 | 73.7 |
| 57 | 26.9 | 9.9 | 69.9 |

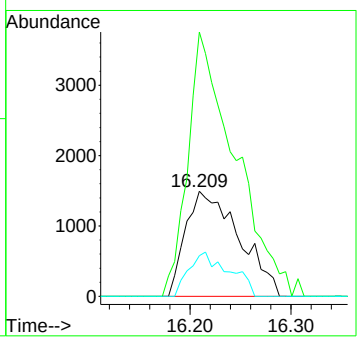


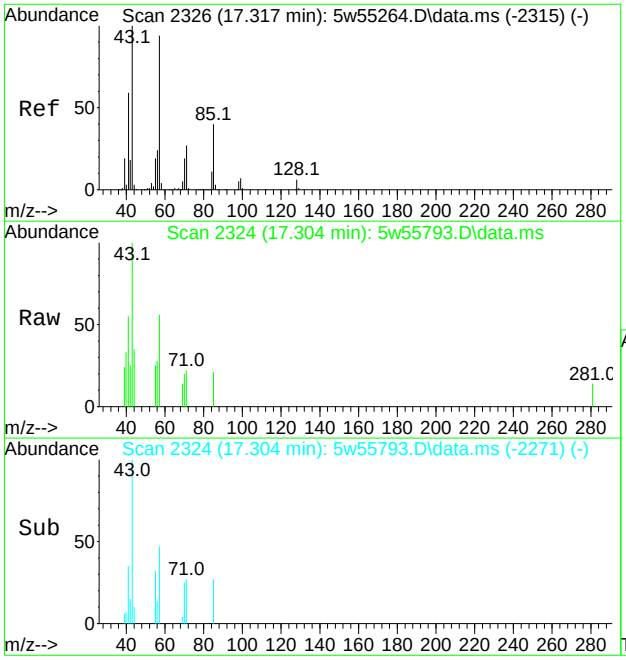




#80
m,p-XYLENE
Concen: 0.1424 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:106 Resp: 5512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 251.2 | 181.2 | 241.2# |
| 77 | 38.8 | 0.1 | 60.1 |

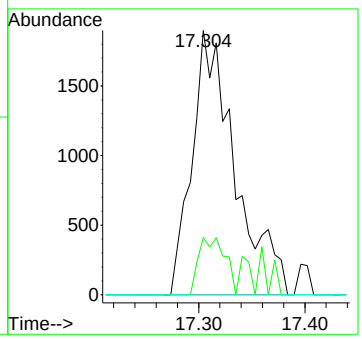


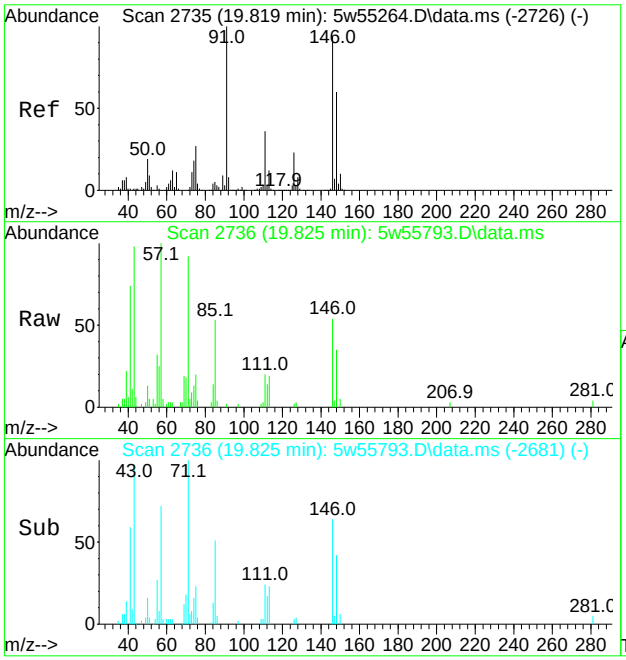



#83
NONANE
Concen: 0.1051 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion: 43 Resp: 5333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 13.4 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

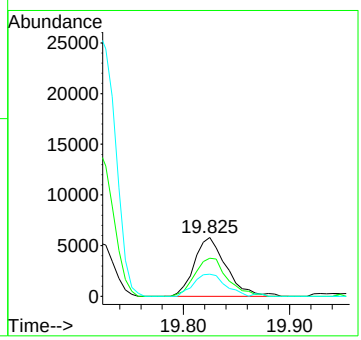



#97
m-DICHLOROBENZENE
Concen: 0.1609 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55793.D
Acq: 21 Dec 2024 1:09 am

Tgt Ion:146 Resp: 12193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.2 | 34.2 | 94.2 |
| 111 | 37.4 | 10.1 | 70.1 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/23/24 12:03

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 00:06:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

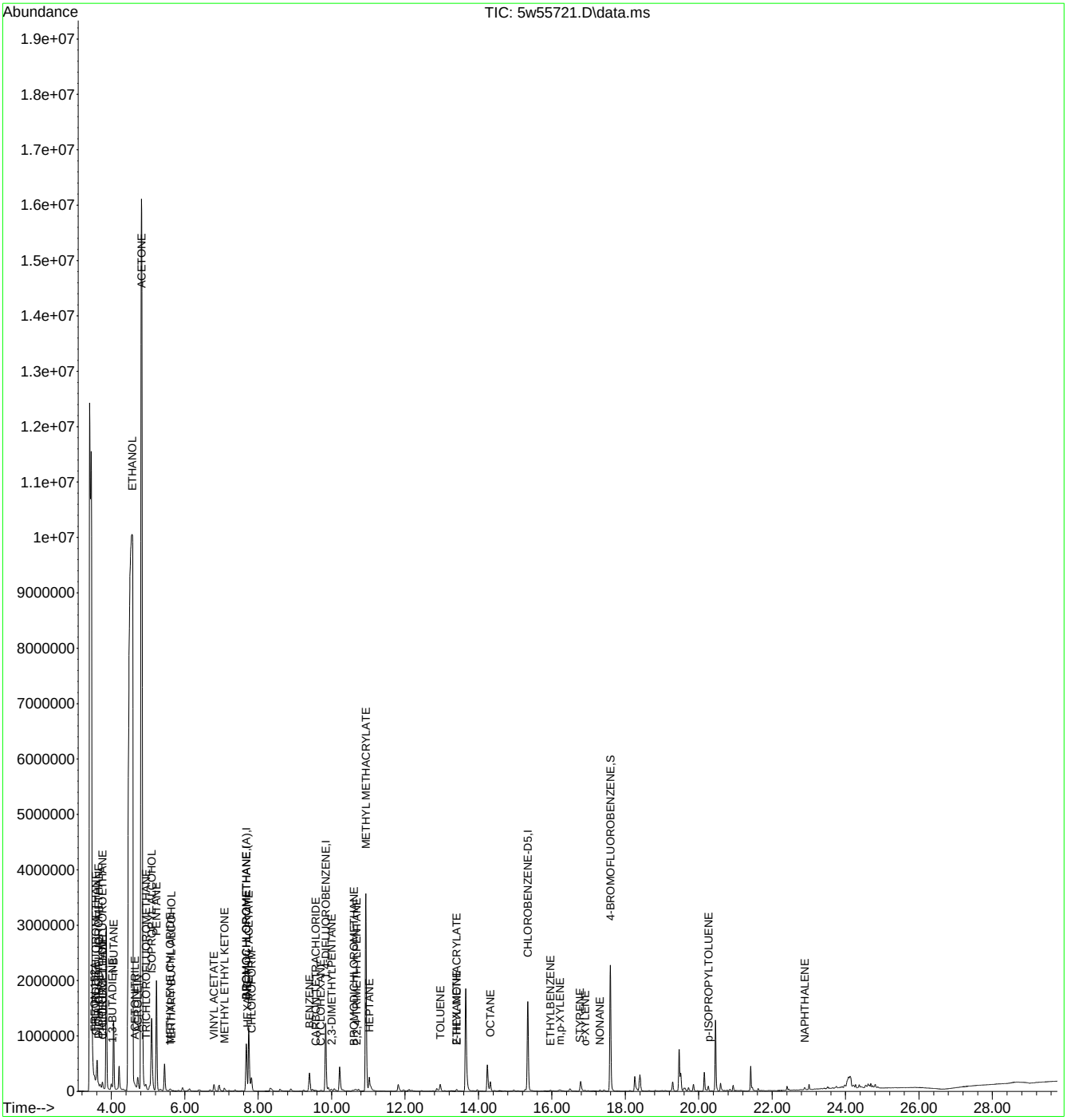
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 201833 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1009609 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 643332 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 201833 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 793405 | 11.02 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 20301m | 1.3595 | PPBV | |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 5625 | 0.7265 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 45944 | 0.6229 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 68106 | 0.9017 | PPBV # | 57 |
| 10) CHLOROMETHANE | 3.766 | 52 | 9700 | 1.0198 | PPBV | 96 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 21100 | 0.9387 | PPBV # | 22 |
| 13) n-BUTANE | 4.060 | 43 | 1068697 | 24.7850 | PPBV | 97 |
| 17) ACETONITRILE | 4.635 | 41 | 32309 | 1.2972 | PPBV | 97 |
| 18) ACROLEIN | 4.714 | 56 | 200065 | 18.3952 | PPBV | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 54485 | 0.7994 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.094 | 45 | 2086440 | 48.3116 | PPBV | 96 |
| 23) ACETONE | 4.818 | 58 | 8834286 | 542.6930 | PPBV # | 73 |
| 24) PENTANE | 5.228 | 42 | 808647 | 37.6921 | PPBV | 97 |
| 28) ETHANOL | 4.574 | 45 | 41259274m | 2606.7277 | PPBV | |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 12098 | 0.5715 | PPBV | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.632 | 59 | 12367 | 0.3044 | PPBV # | 37 |
| 38) HEXANE | 7.700 | 57 | 35206 | 1.1133 | PPBV # | 77 |
| 39) VINYL ACETATE | 6.794 | 86 | 16076 | 4.4475 | PPBV # | 53 |
| 41) METHYL ETHYL KETONE | 7.076 | 72 | 18973m | 2.1671 | PPBV | |
| 44) ETHYL ACETATE | 7.742 | 61 | 200701 | 31.0763 | PPBV # | 74 |
| 46) CHLOROFORM | 7.816 | 83 | 179362 | 3.4618 | PPBV | 96 |
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 6299 | 0.1133 | PPBV | 99 |
| 52) BENZENE | 9.400 | 78 | 329826 | 4.5072 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 3367 | 0.1225 | PPBV # | 40 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 5624 | 0.3789 | PPBV # | 58 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 10092 | 0.1498 | PPBV | 90 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 25075 | 0.2256 | PPBV # | 51 |
| 62) HEPTANE | 11.022 | 43 | 127557 | 3.2864 | PPBV | 85 |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 1436765 | 59.0585 | PPBV | 87 |
| 66) TOLUENE | 12.961 | 92 | 57932 | 1.1318 | PPBV | 98 |
| 71) 2-HEXANONE | 13.401 | 58 | 5977 | 0.1969 | PPBV | 86 |
| 72) ETHYL METHACRYLATE | 13.408 | 69 | 13750 | 0.3094 | PPBV # | 66 |
| 76) OCTANE | 14.325 | 43 | 103718 | 1.8355 | PPBV | 83 |
| 79) ETHYLBENZENE | 15.959 | 91 | 17089 | 0.1441 | PPBV | 95 |
| 80) m,p-XYLENE | 16.216 | 106 | 10578 | 0.2350 | PPBV | 98 |
| 81) o-XYLENE | 16.907 | 106 | 5113 | 0.1170 | PPBV | 92 |
| 82) STYRENE | 16.766 | 104 | 10935 | 0.1745 | PPBV | 95 |
| 83) NONANE | 17.304 | 43 | 11876 | 0.2014 | PPBV | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 10552 | 0.3233 | PPBV | 96 |
| 108) NAPHTHALENE | 22.890 | 128 | 20447 | 0.1307 | PPBV | 98 |

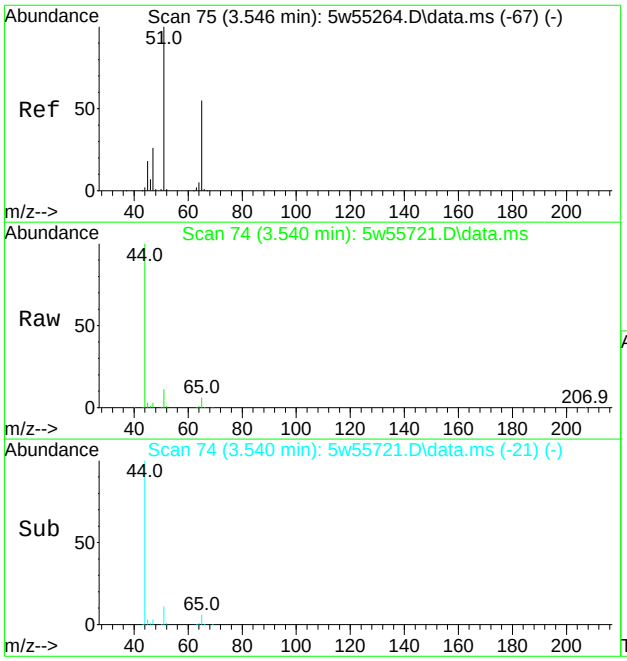
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 19 00:06:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

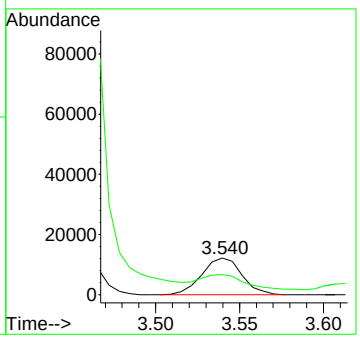


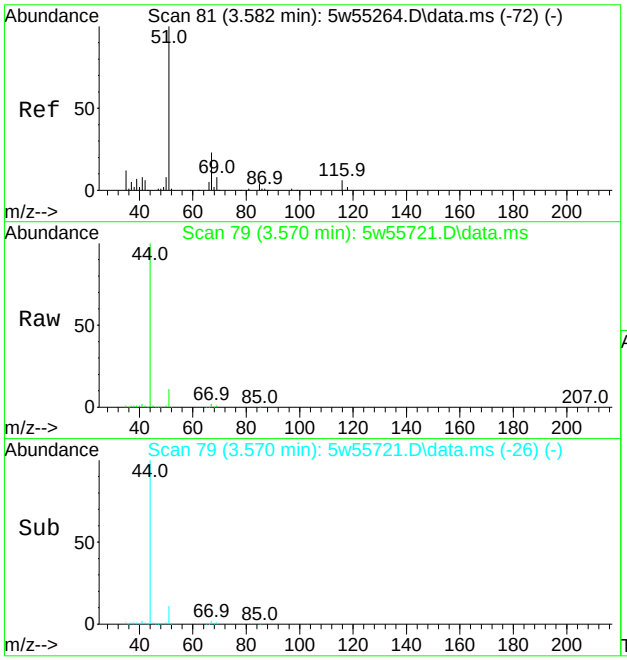



#3
FREON 152A
Concen: 1.3595 PPBV m
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 65 Resp: 20301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 188.5 | 1.8 | 61.8# |

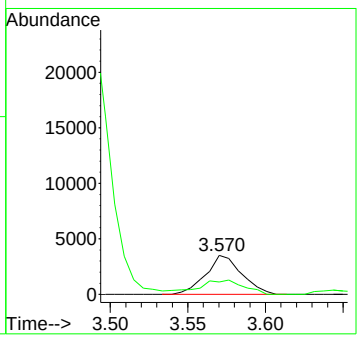


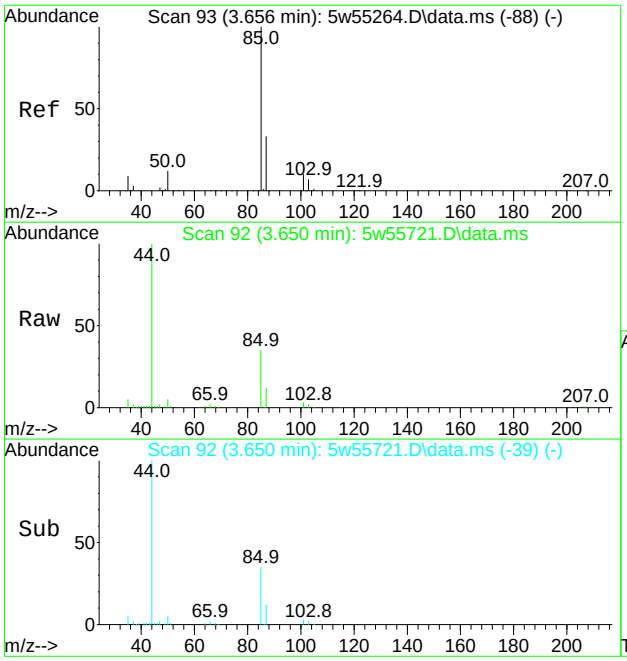




#4
CHLORODIFLUOROMETHANE
Concen: 0.7265 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 67 Resp: 5625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 31.6 | 2.9 | 62.9 |

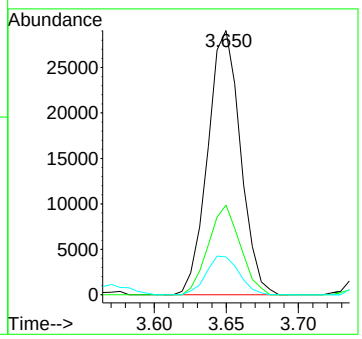


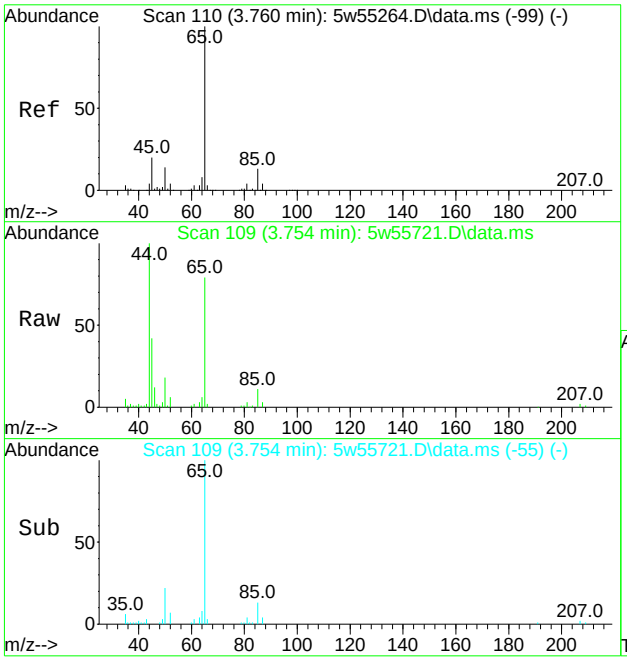



#6
DICHLORODIFLUOROMETHANE
Concen: 0.6229 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 85 Resp: 45944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 2.6 | 62.6 |
| 50 | 14.7 | 0.0 | 43.0 |

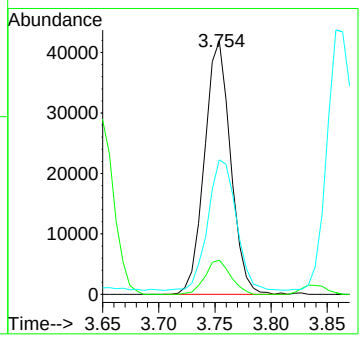


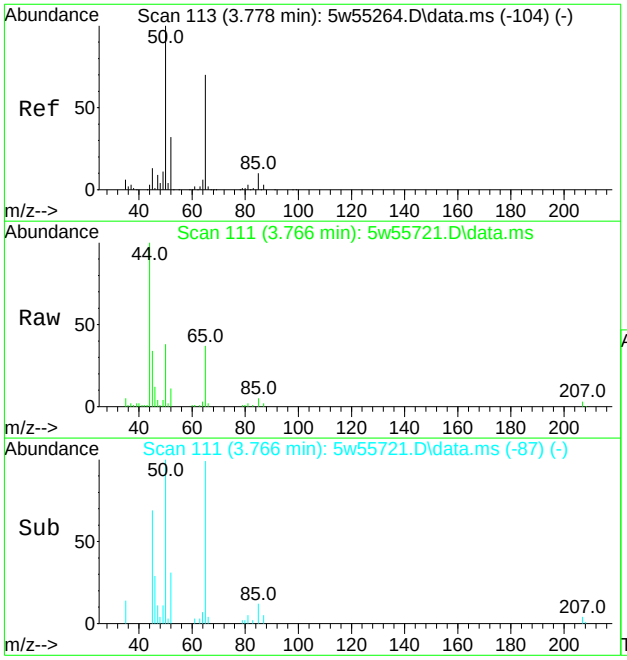




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.9017 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 65 Resp: 68106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.3 | 10.1 | 18.7 |
| 45 | 56.1 | 15.9 | 29.5# |

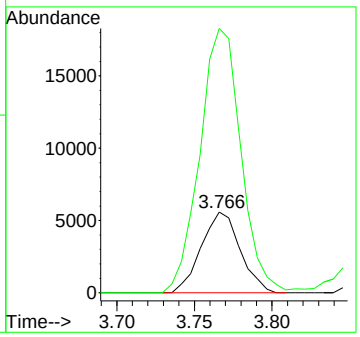


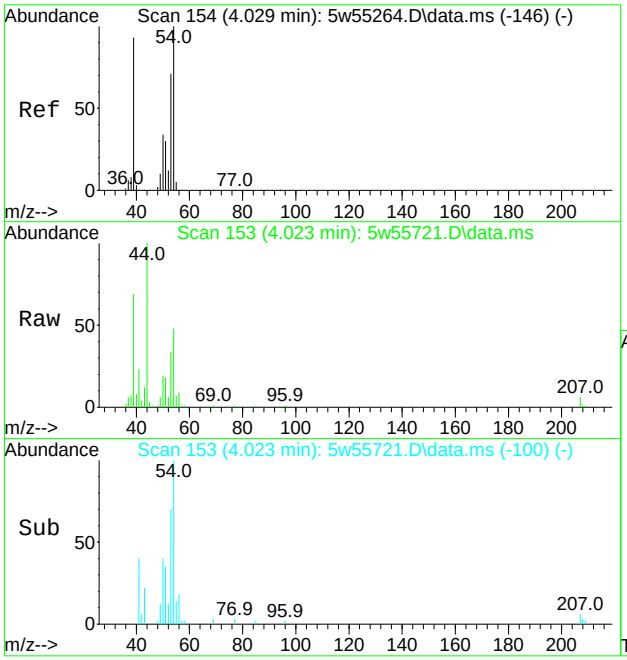



#10
CHLOROMETHANE
Concen: 1.0198 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 52 Resp: 9700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 325.7 | 287.9 | 347.9 |

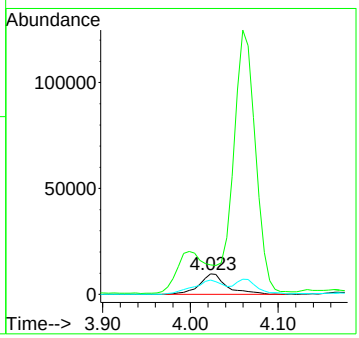


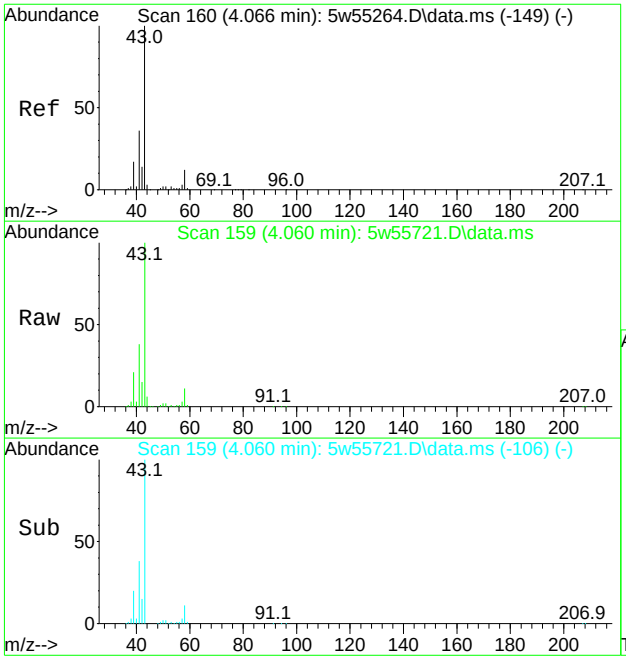




#12
1,3-BUTADIENE
Concen: 0.9387 PPBV
RT: 4.023 min Scan# 153
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 54 Resp: 21100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 0.0 | 103.6 | 163.6# |
| 53 | 82.2 | 41.1 | 101.1 |

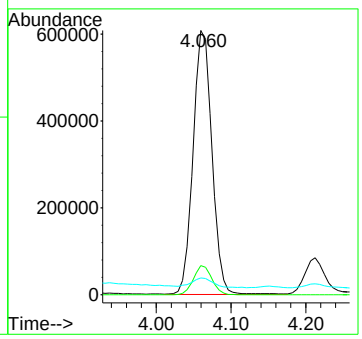


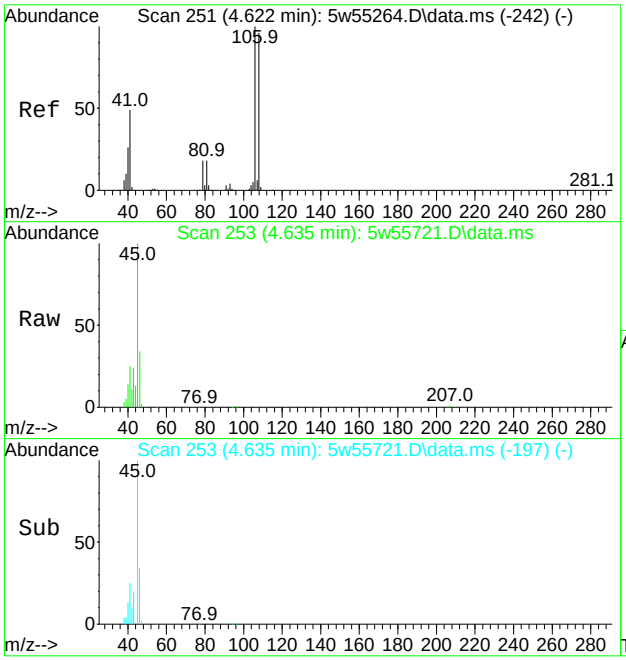



#13
n-BUTANE
Concen: 24.7850 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 1068697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 5.9 | 0.0 | 34.7 |

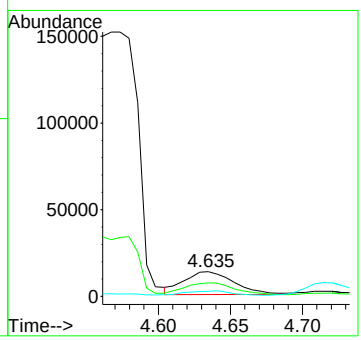


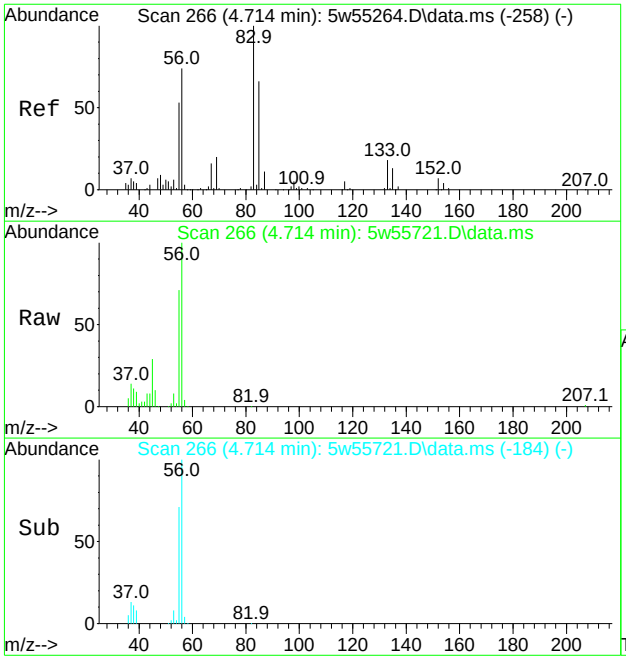




#17
ACETONITRILE
Concen: 1.2972 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 41 Resp: 32309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 54.3 | 38.4 | 71.4 |
| 39 | 16.1 | 13.7 | 25.5 |

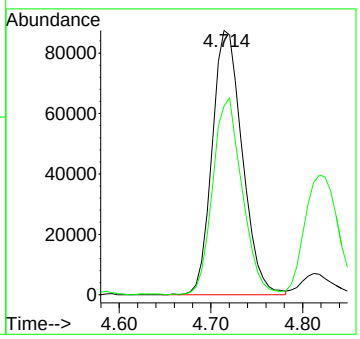


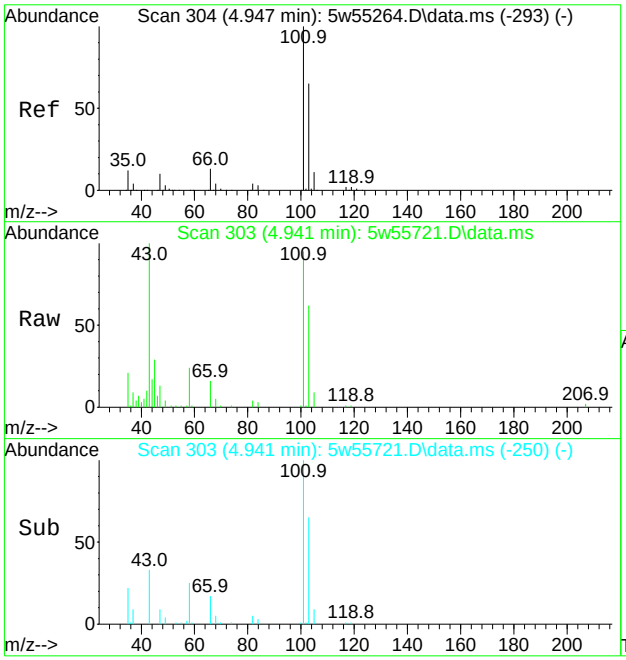



#18
ACROLEIN
Concen: 18.3952 PPBV
RT: 4.714 min Scan# 266
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 56 Resp: 200065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.9 | 49.8 | 92.6 |

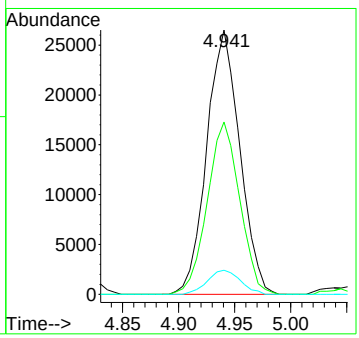


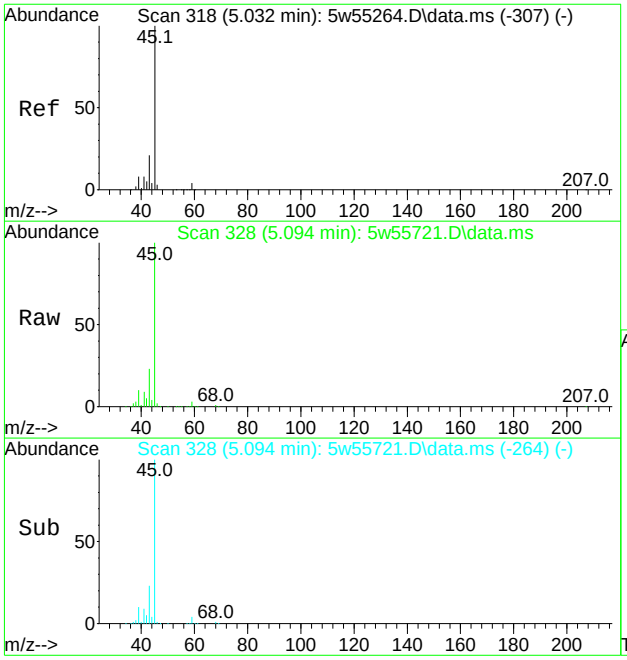




#21
TRICHLOROFLUOROMETHANE
Concen: 0.7994 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:101 Resp: 54485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 34.7 | 94.7 |
| 105 | 9.2 | 0.0 | 40.5 |

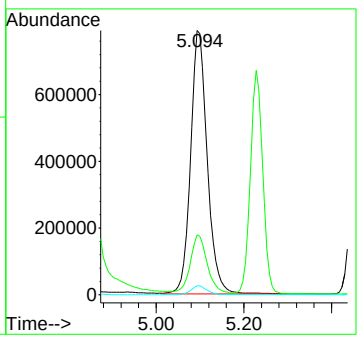


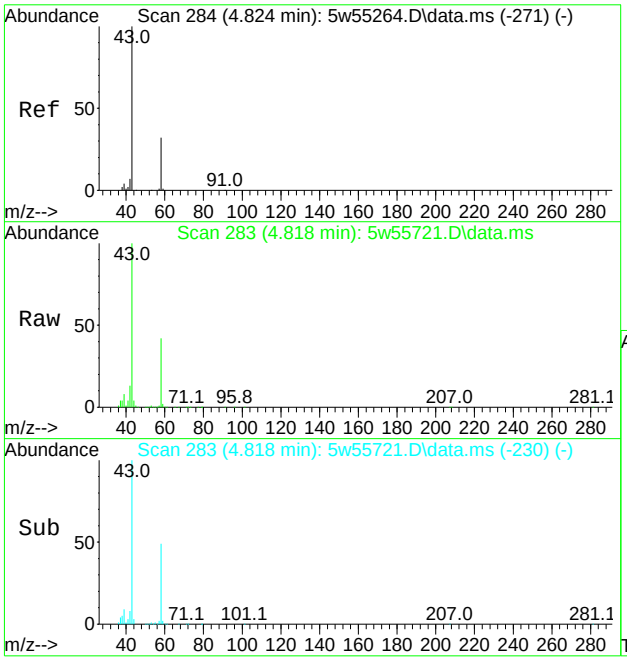



#22
ISOPROPYL ALCOHOL
Concen: 48.3116 PPBV
RT: 5.094 min Scan# 328
Delta R.T. 0.061 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 45 Resp: 2086440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.7 | 0.0 | 50.8 |
| 59 | 3.4 | 0.0 | 33.8 |

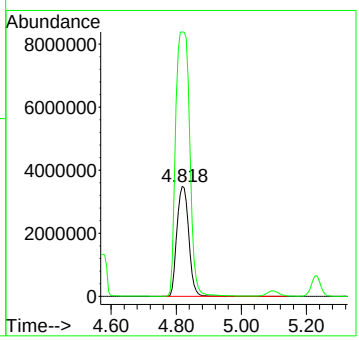


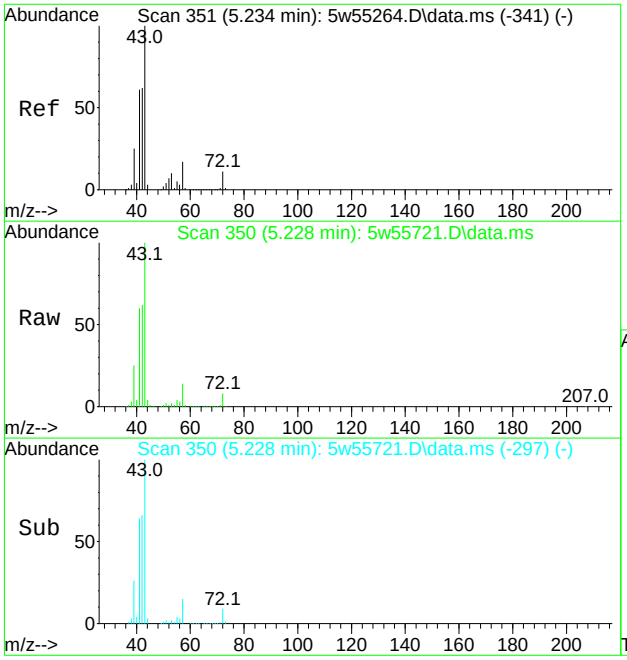




#23
ACETONE
Concen: 542.6930 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 58 Resp: 8834286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 285.0 | 312.3 | 372.3# |

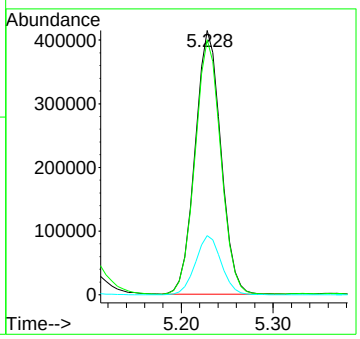


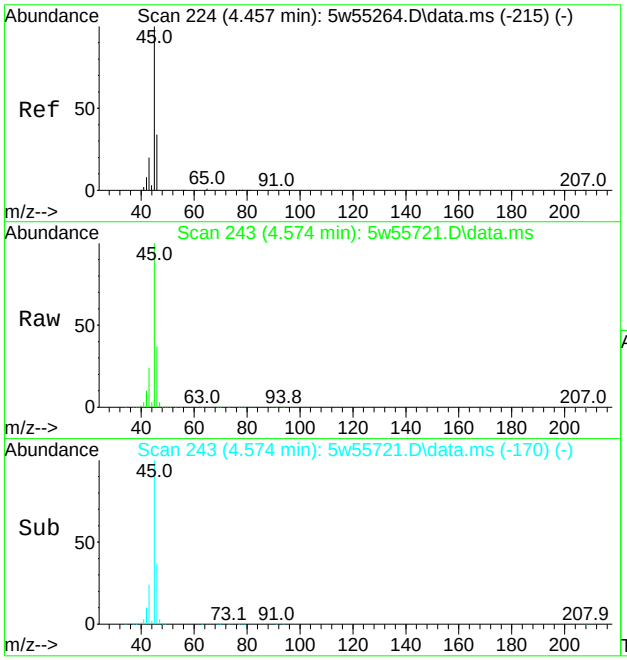



#24
PENTANE
Concen: 37.6921 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 42 Resp: 808647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.7 | 64.4 | 124.4 |
| 57 | 22.4 | 0.0 | 55.0 |

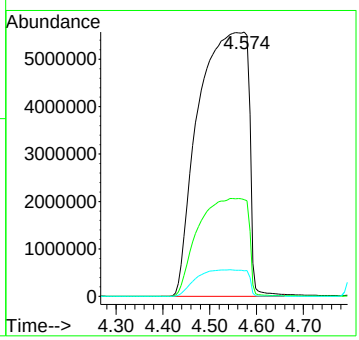


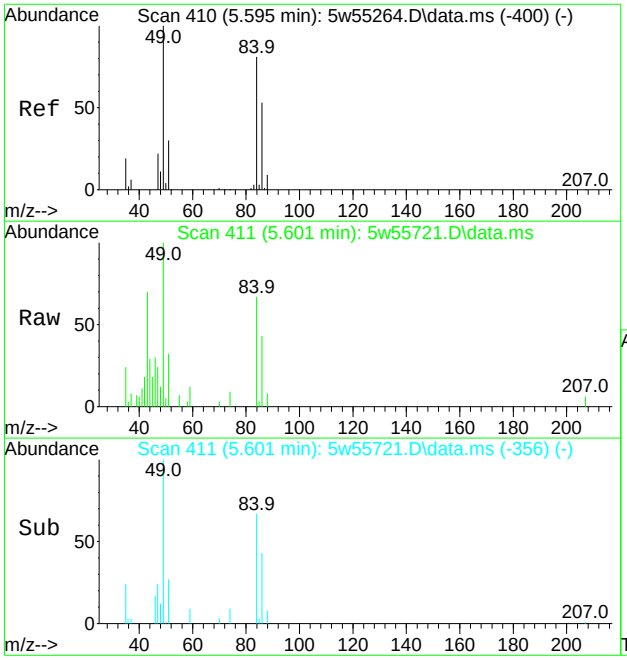




#28
ETHANOL
Concen: 2606.7277 PPBV m
RT: 4.574 min Scan# 243
Delta R.T. 0.116 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 45 Resp:41259274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 0.1 | 4.5 | 64.5# |
| 42 | 0.1 | 0.0 | 38.6 |

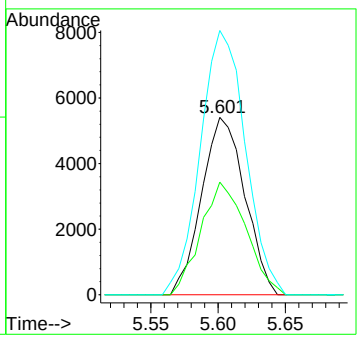


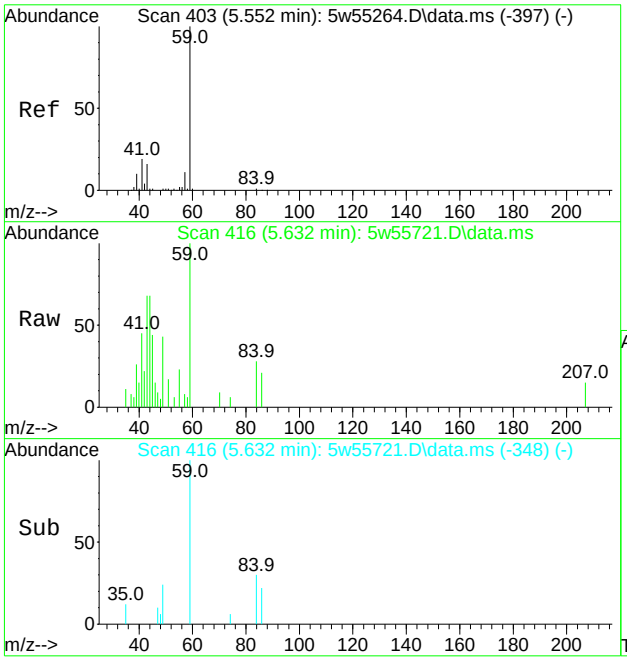



#31
METHYLENE CHLORIDE
Concen: 0.5715 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 84 Resp: 12098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 66.5 | 34.0 | 94.0 |
| 49 | 156.1 | 105.8 | 165.8 |

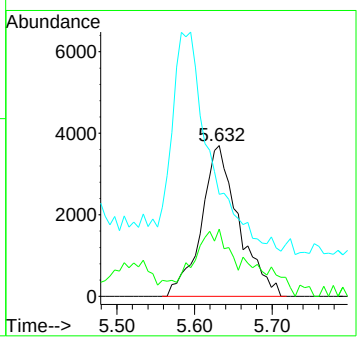


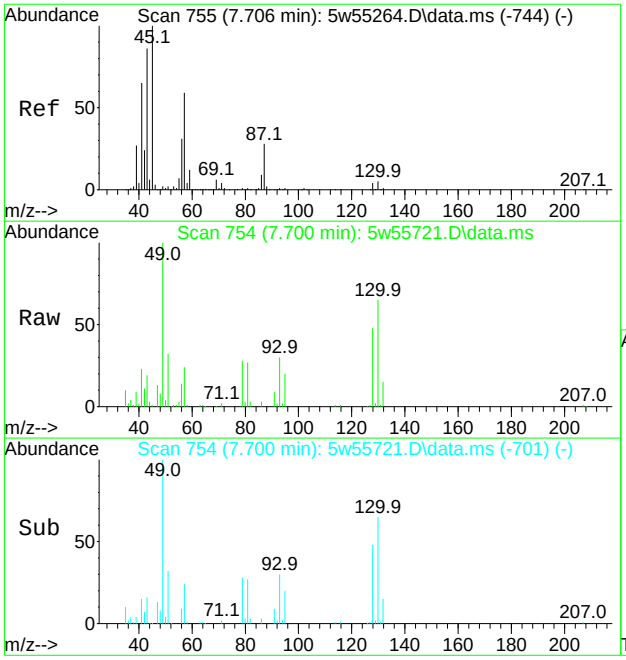




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.3044 PPBV
RT: 5.632 min Scan# 416
Delta R.T. 0.086 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 59 Resp: 12367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 62.4 | 0.0 | 53.1# |
| 43 | 0.0 | 0.0 | 47.1 |

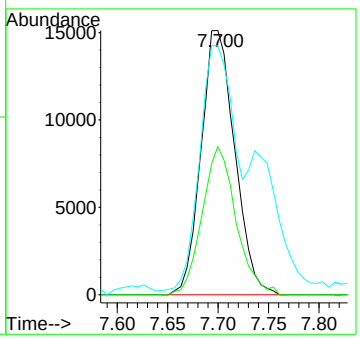


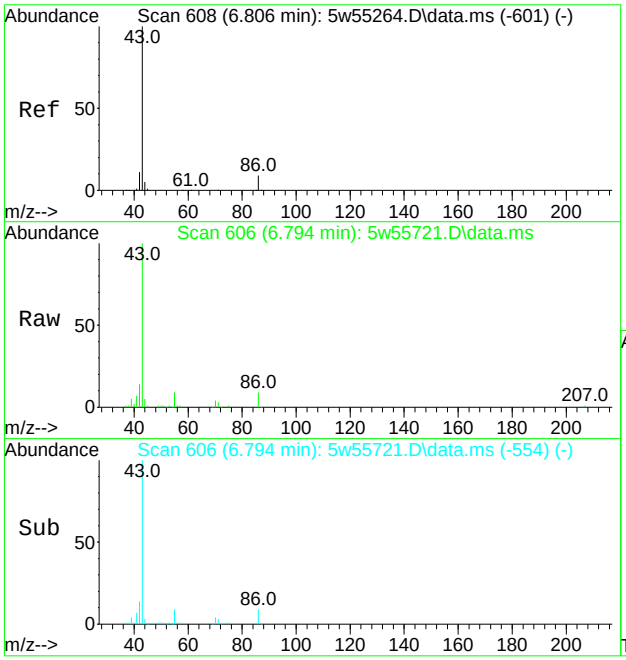



#38
HEXANE
Concen: 1.1133 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 57 Resp: 35206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.3 | 24.2 | 84.2 |
| 41 | 157.6 | 92.1 | 152.1# |

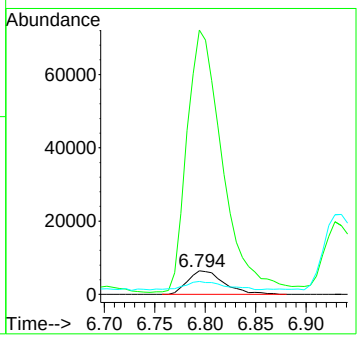


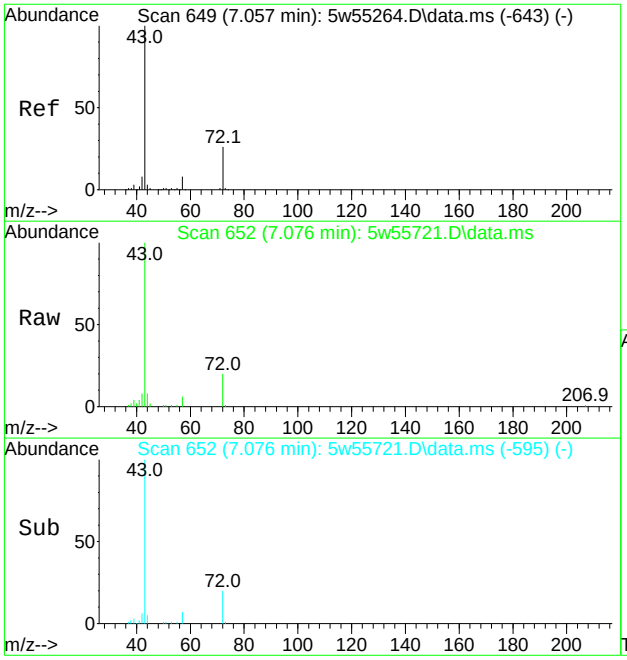




#39
VINYL ACETATE
Concen: 4.4475 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 86 Resp: 16076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1104.7 | 1335.5 | 1395.5# |
| 44 | 35.1 | 40.9 | 100.9# |

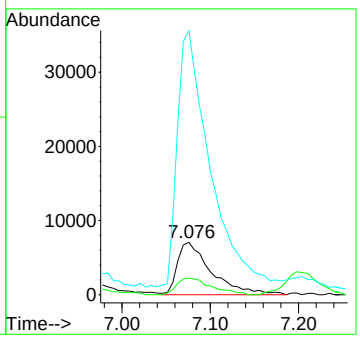


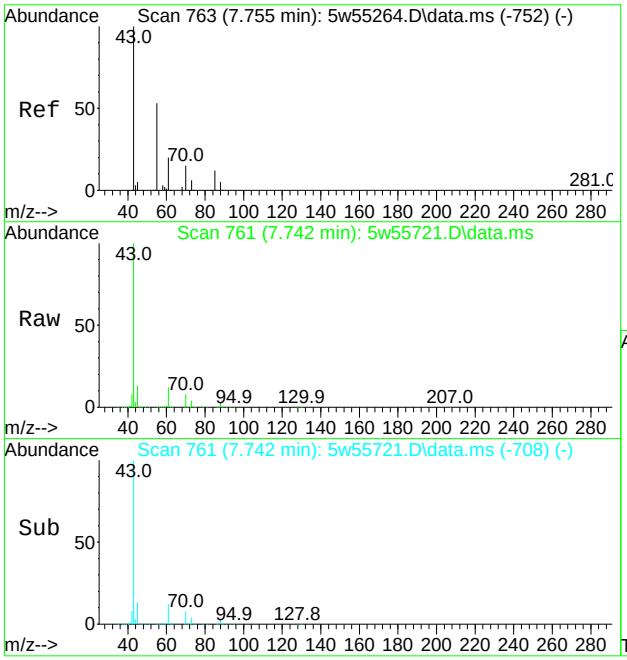



#41
METHYL ETHYL KETONE
Concen: 2.1671 PPBV m
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 72 Resp: 18973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 32.3 | 1.1 | 61.1 |
| 43 | 504.8 | 390.6 | 450.6# |

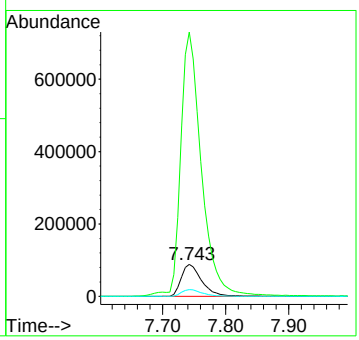


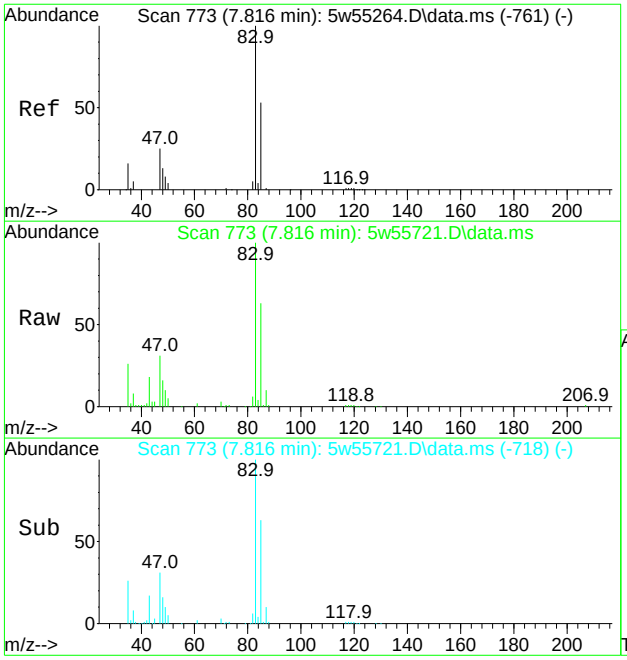




#44
ETHYL ACETATE
Concen: 31.0763 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 61 Resp: 200701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 835.2 | 0.0 | 30.0# |
| 88 | 21.7 | 7.3 | 67.3 |

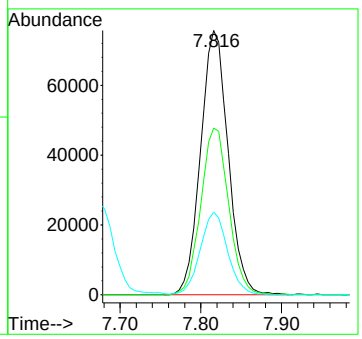


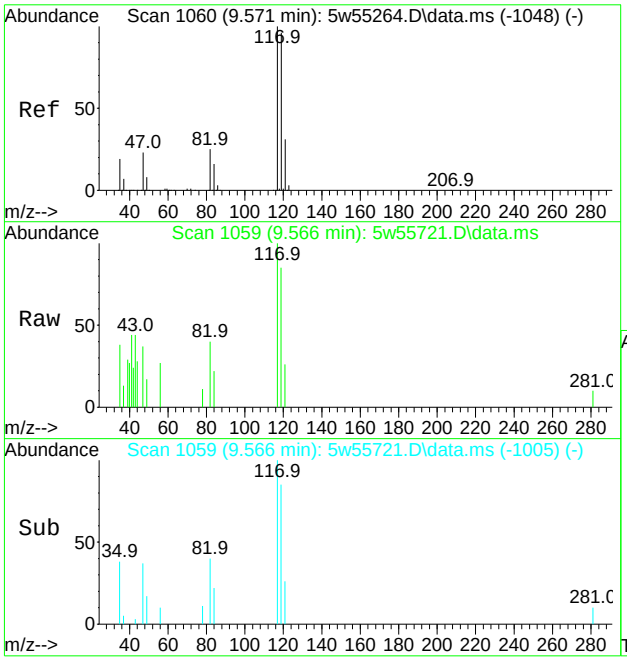



#46
CHLOROFORM
Concen: 3.4618 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 83 Resp: 179362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 35.5 | 95.5 |
| 47 | 31.0 | 0.0 | 56.8 |

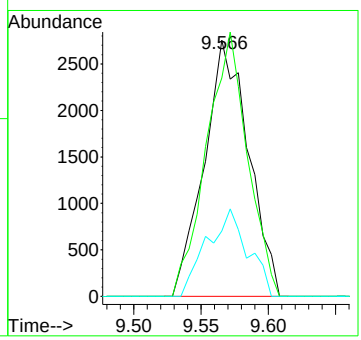


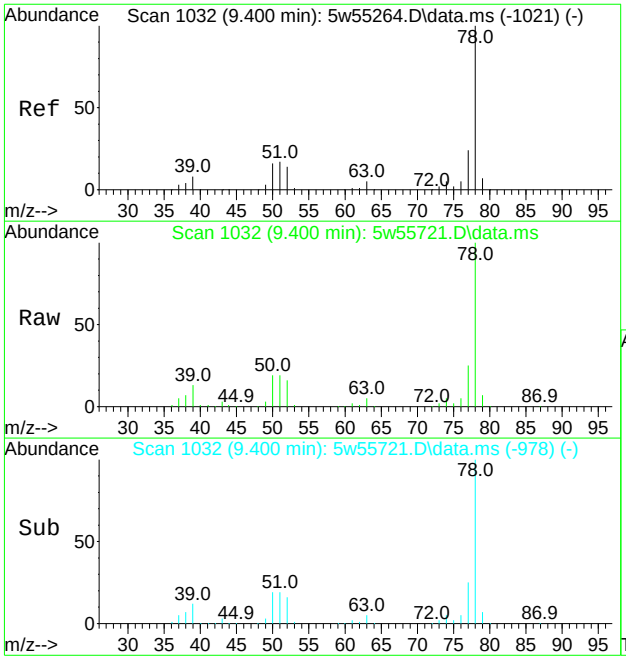




#49
CARBON TETRACHLORIDE
Concen: 0.1133 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:117 Resp: 6299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 65.9 | 125.9 |
| 121 | 31.5 | 0.7 | 60.7 |

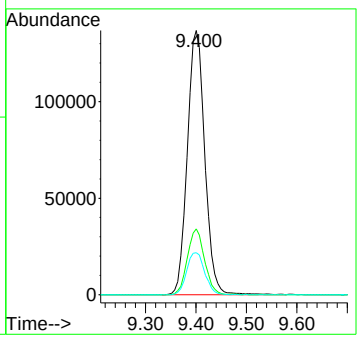


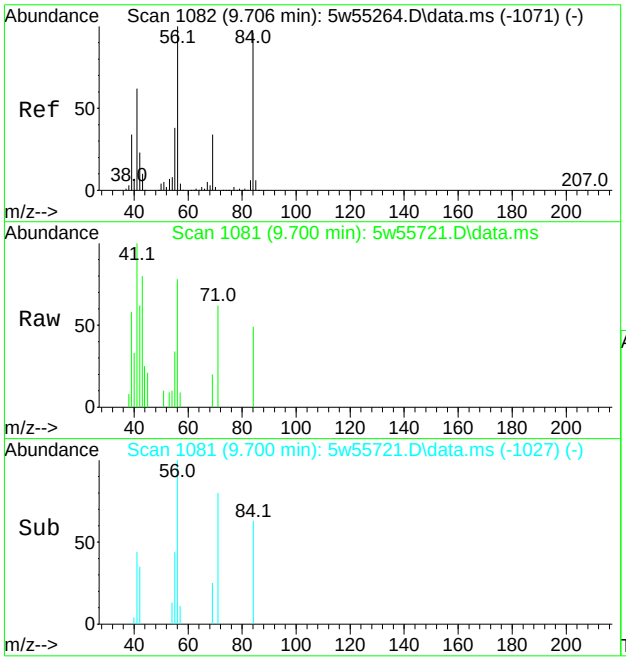



#52
BENZENE
Concen: 4.5072 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 78 Resp: 329826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.6 | 0.0 | 54.0 |
| 52 | 16.4 | 0.0 | 45.6 |

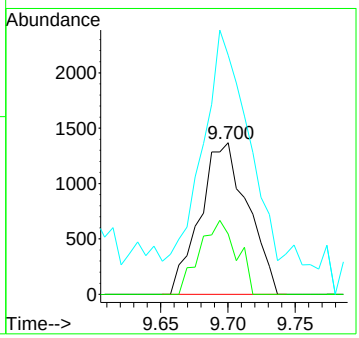


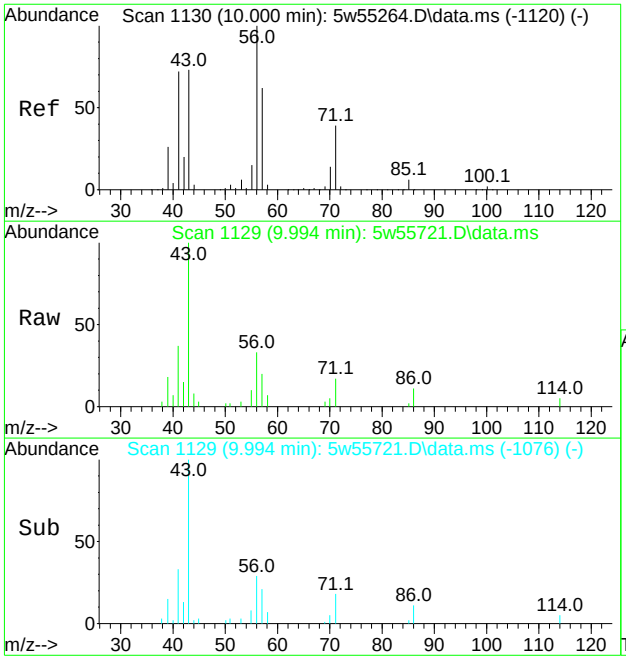




#53
CYCLOHEXANE
Concen: 0.1225 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 84 Resp: 3367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.0 | 7.0 | 67.0 |
| 56 | 201.7 | 86.5 | 146.5# |

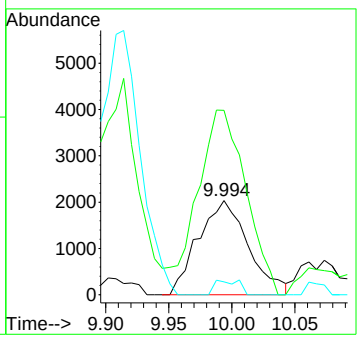


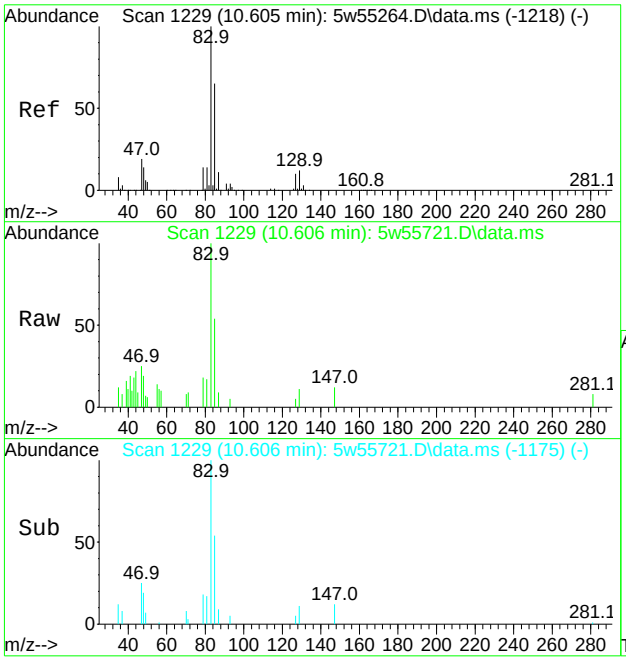



#54
2,3-DIMETHYLPENTANE
Concen: 0.3789 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 71 Resp: 5624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 186.9 | 235.4 | 295.4# |
| 85 | 7.5 | 0.0 | 45.3 |

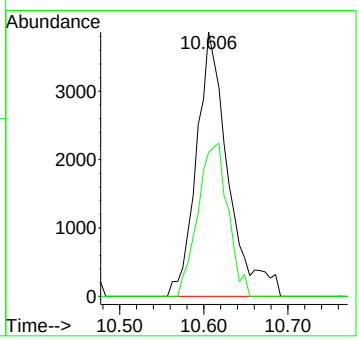


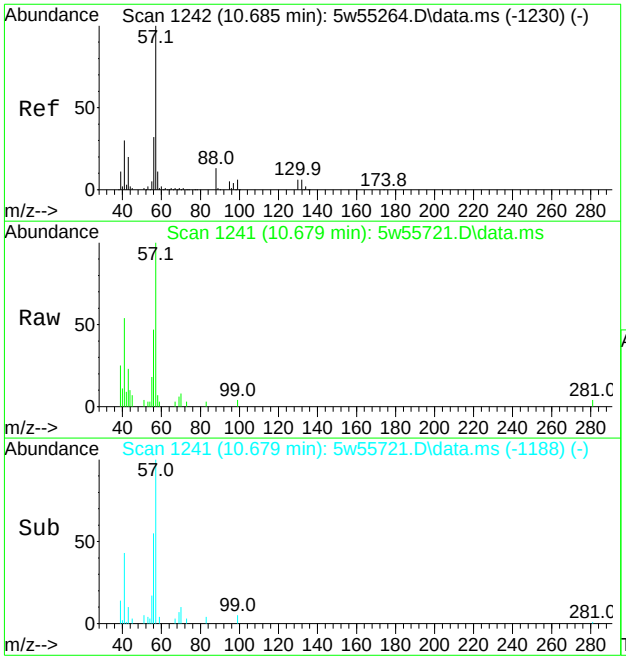




#59
BROMODICHLOROMETHANE
Concen: 0.1498 PPBV
RT: 10.606 min Scan# 1229
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 83 Resp: 10092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 55.3 | 33.2 | 93.2 |

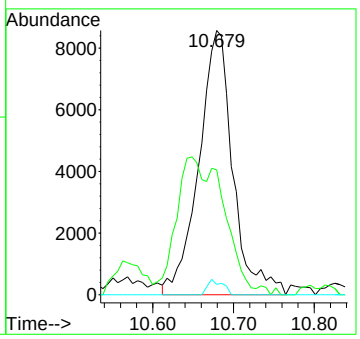


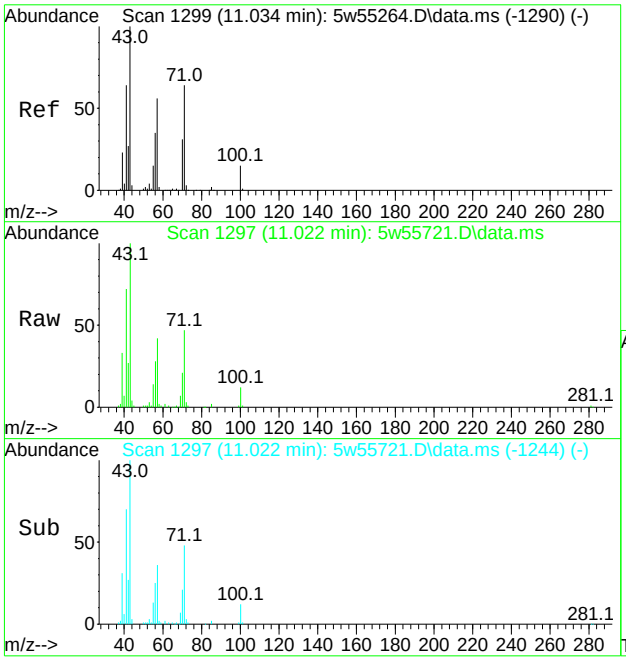



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2256 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 57 Resp: 25075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 0.0 | 2.2 | 62.2# |
| 99 | 2.6 | 0.0 | 37.6 |

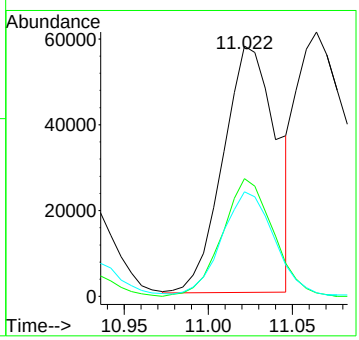


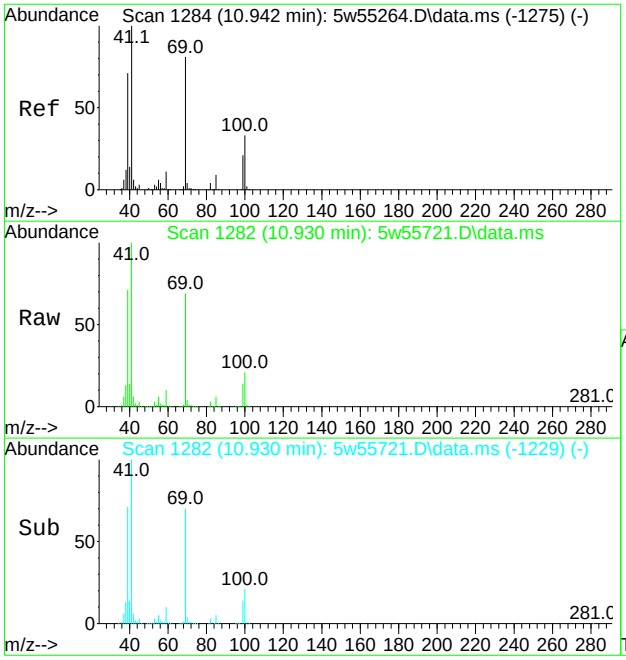




#62
HEPTANE
Concen: 3.2864 PPBV
RT: 11.022 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 127557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 45.4 | 27.2 | 87.2 |
| 57 | 42.1 | 22.5 | 82.5 |

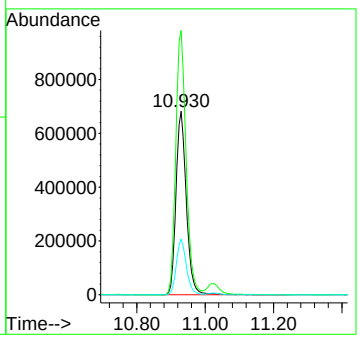


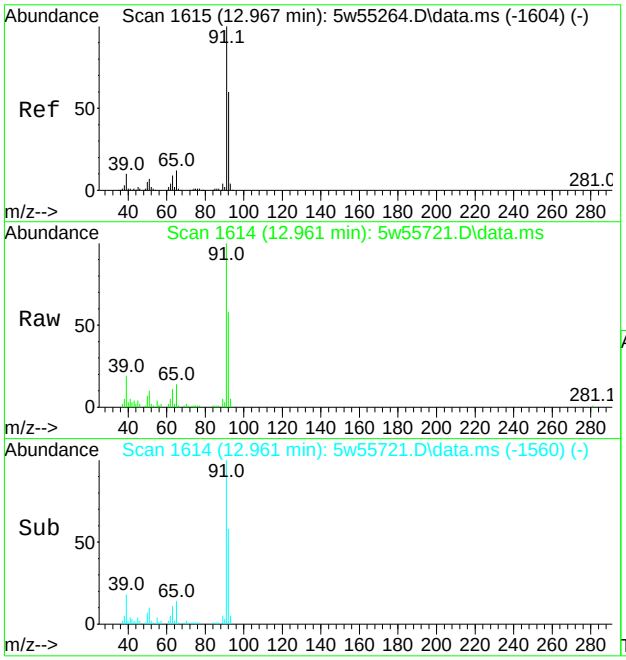



#63
METHYL METHACRYLATE
Concen: 59.0585 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 69 Resp: 1436765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 143.9 | 97.3 | 157.3 |
| 100 | 29.3 | 3.0 | 63.0 |

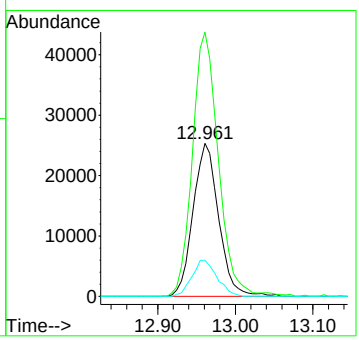


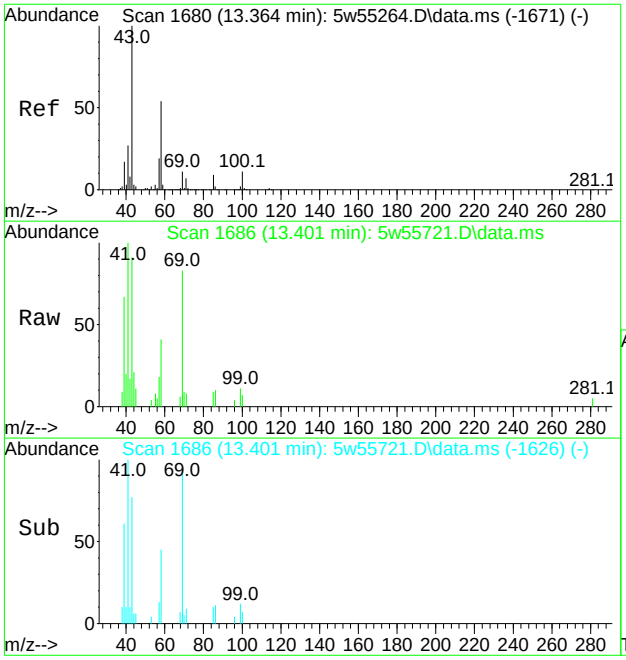




#66
TOLUENE
Concen: 1.1318 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 92 Resp: 57932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.5 | 143.4 | 203.4 |
| 65 | 23.2 | 0.0 | 53.8 |

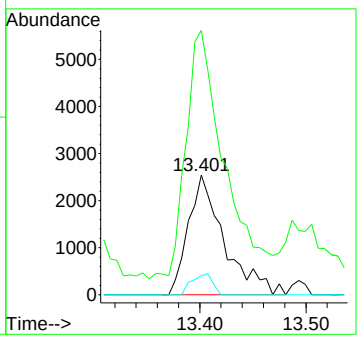


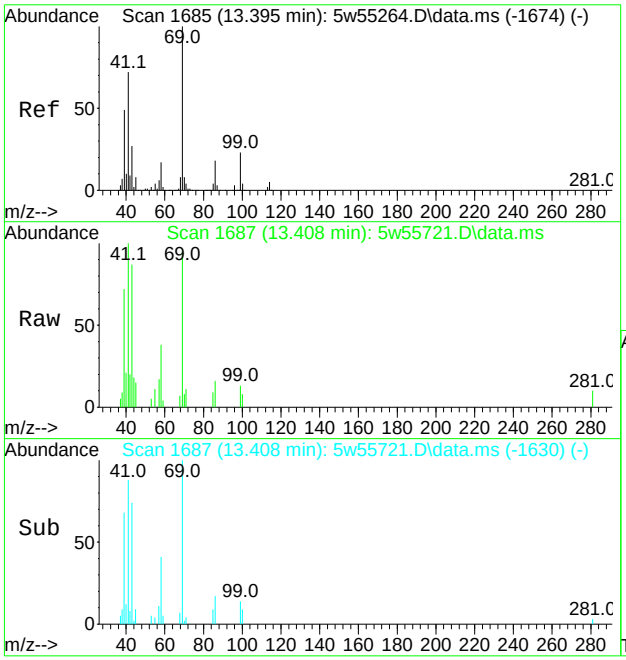



#71
2-HEXANONE
Concen: 0.1969 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 58 Resp: 5977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 208.8 | 159.0 | 219.0 |
| 100 | 10.1 | 0.0 | 47.8 |

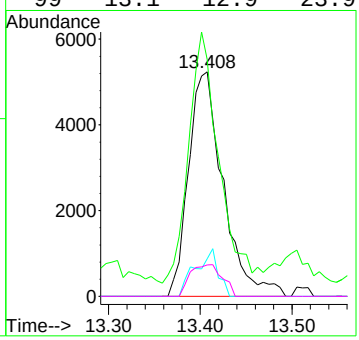


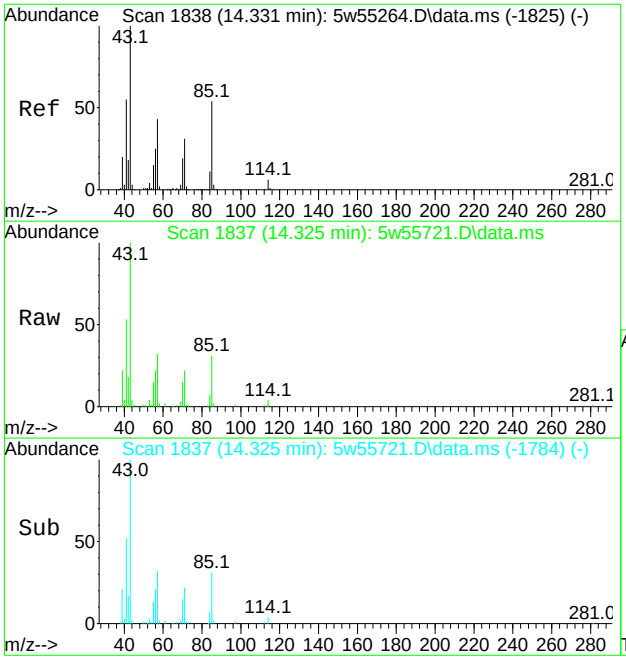




#72
ETHYL METHACRYLATE
Concen: 0.3094 PPBV
RT: 13.408 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 69 Resp: 13750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 139.4 | 67.8 | 125.8# |
| 86 | 13.8 | 11.3 | 20.9 |
| 99 | 13.1 | 12.9 | 23.9 |

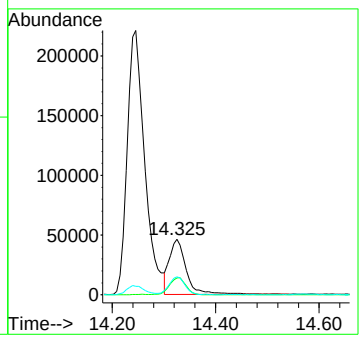


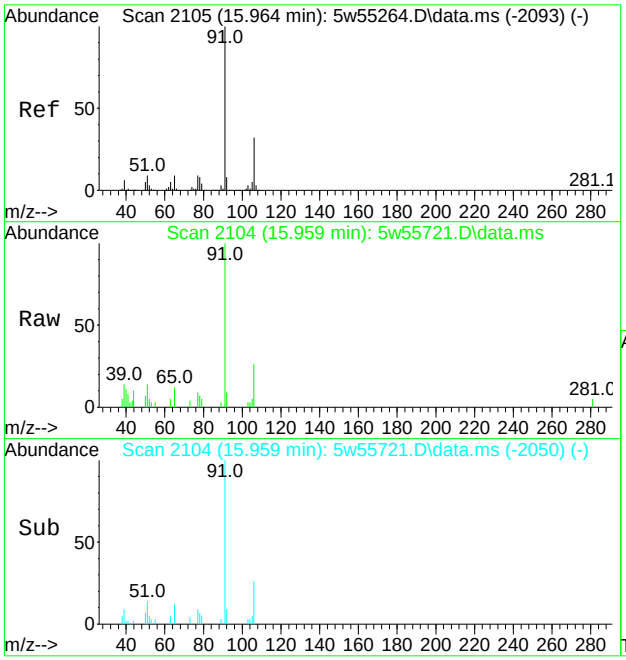



#76
OCTANE
Concen: 1.8355 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 103718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 30.3 | 13.7 | 73.7 |
| 57 | 31.9 | 9.9 | 69.9 |

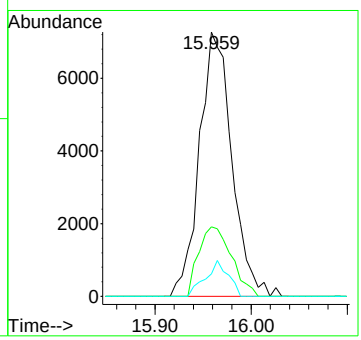


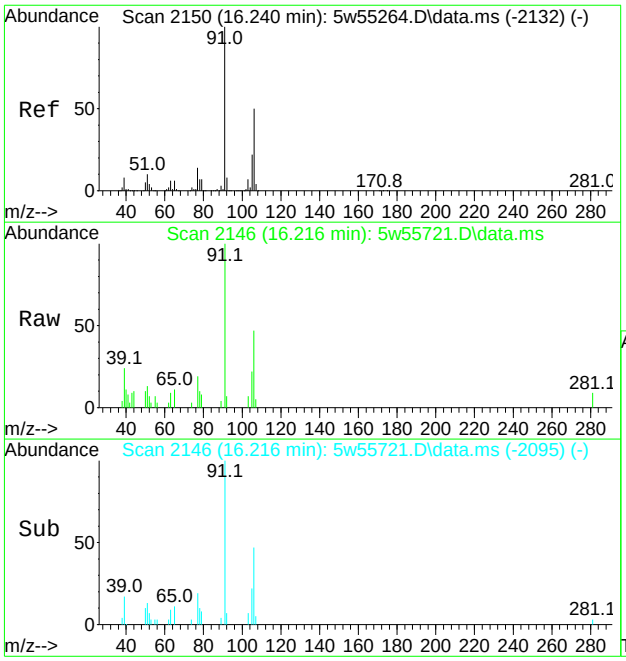




#79
ETHYLBENZENE
Concen: 0.1441 PPBV
RT: 15.959 min Scan# 2104
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 91 Resp: 17089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.6 | 0.0 | 59.9 |
| 77 | 9.5 | 0.0 | 39.1 |

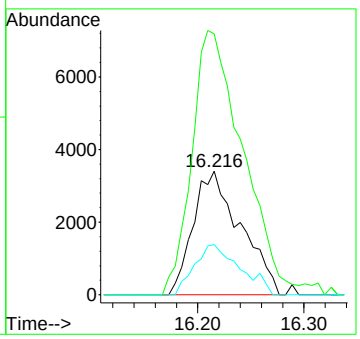


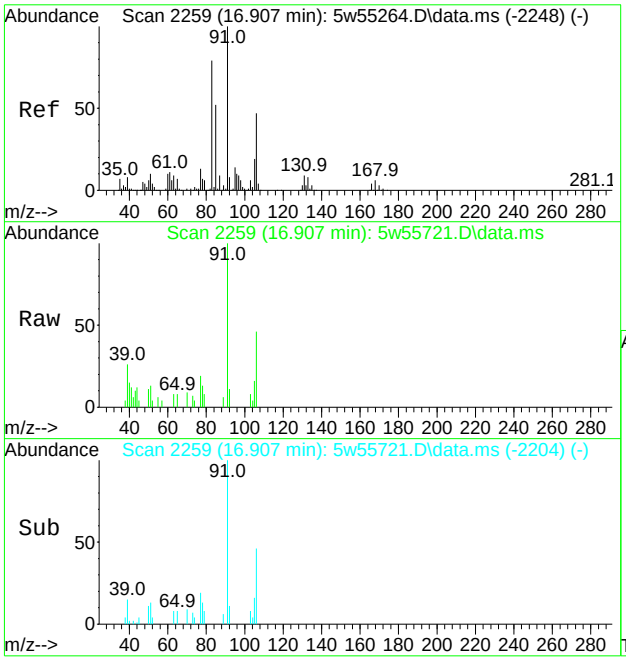



#80
m,p-XYLENE
Concen: 0.2350 PPBV
RT: 16.216 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:106 Resp: 10578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.3 | 181.2 | 241.2 |
| 77 | 40.7 | 0.1 | 60.1 |

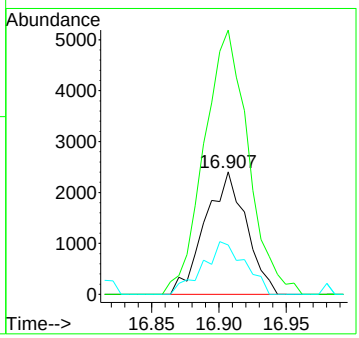


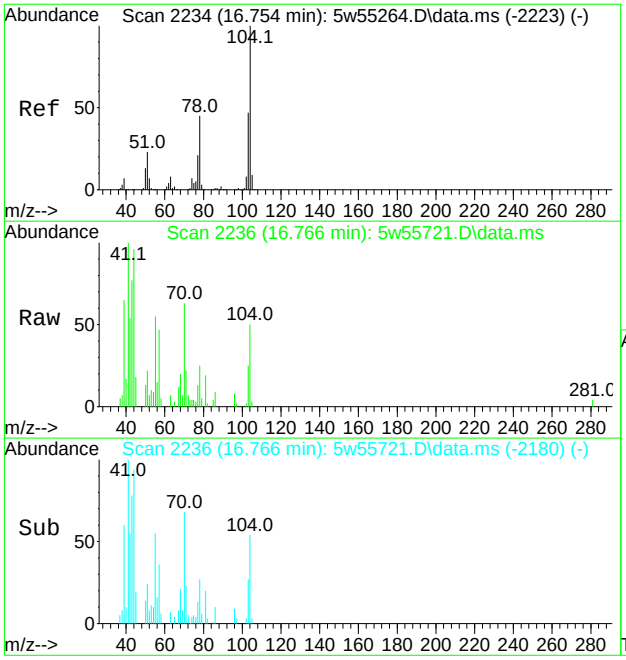




#81
o-XYLENE
Concen: 0.1170 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:106 Resp: 5113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.4 | 193.4 | 253.4 |
| 77 | 44.0 | 0.0 | 59.8 |

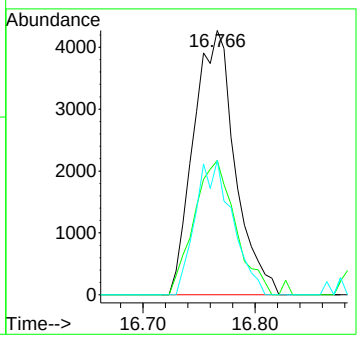


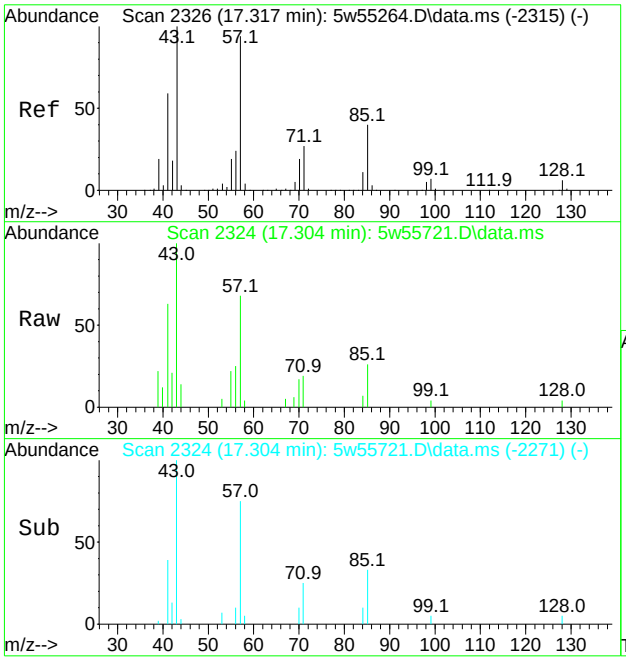



#82
STYRENE
Concen: 0.1745 PPBV
RT: 16.766 min Scan# 2236
Delta R.T. 0.012 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:104 Resp: 10935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 50.8 | 16.5 | 76.5 |
| 103 | 45.7 | 18.1 | 78.1 |

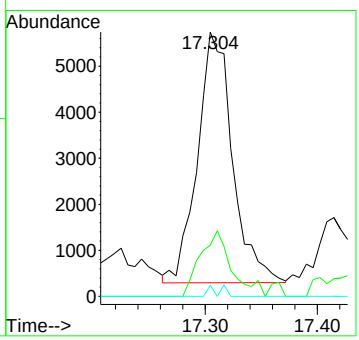


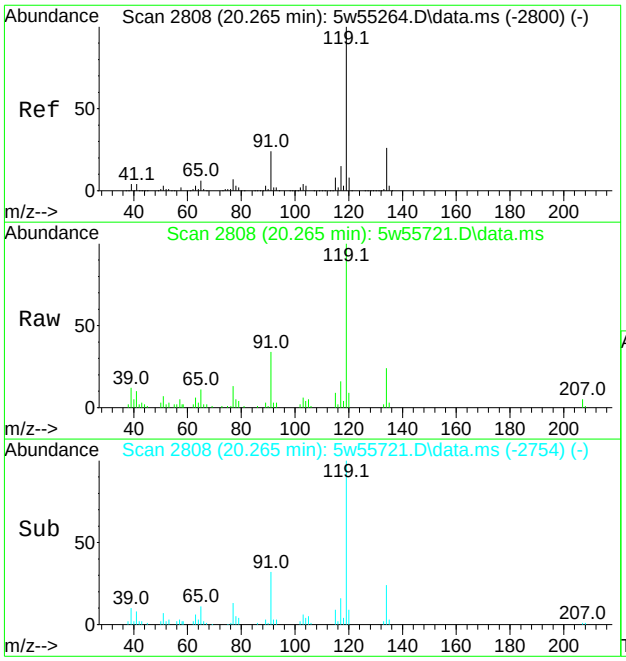




#83
NONANE
Concen: 0.2014 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion: 43 Resp: 11876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 23.3 | 0.0 | 53.8 |
| 128 | 1.5 | 0.0 | 34.3 |

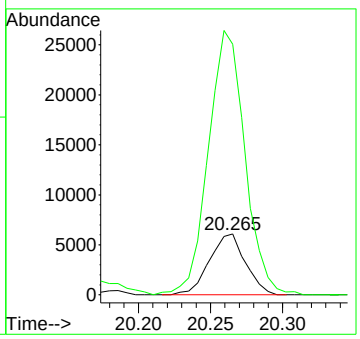


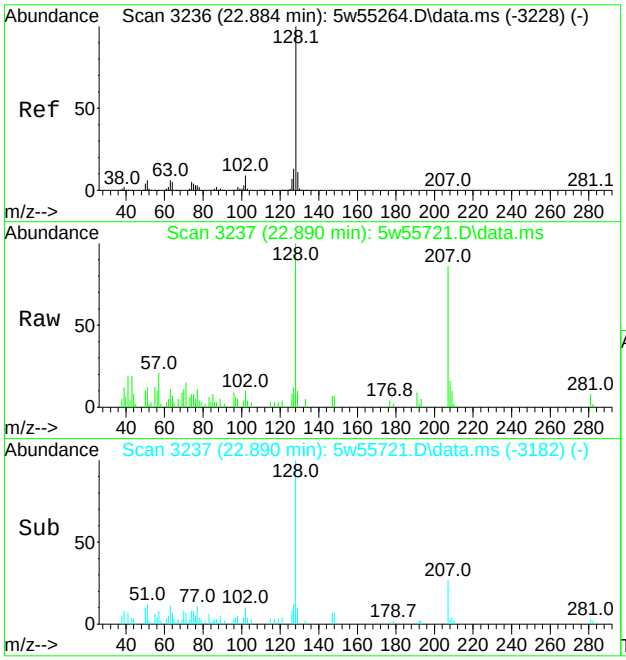



#102
p-ISOPROPYLTOLUENE
Concen: 0.3233 PPBV
RT: 20.265 min Scan# 2808
Delta R.T. 0.000 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:134 Resp: 10552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 119 | 442.5 | 403.4 | 463.4 |

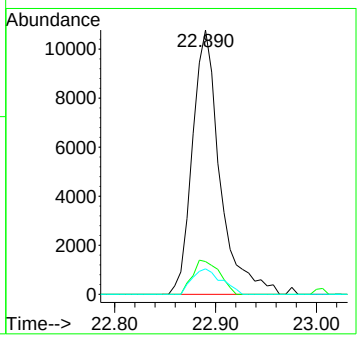



#108
NAPHTHALENE
Concen: 0.1307 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55721.D
Acq: 18 Dec 2024 12:42 pm

Tgt Ion:128 Resp: 20447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 0.0 | 43.1 |
| 129 | 10.3 | 0.0 | 41.1 |



# Manual Integration Approval Summary



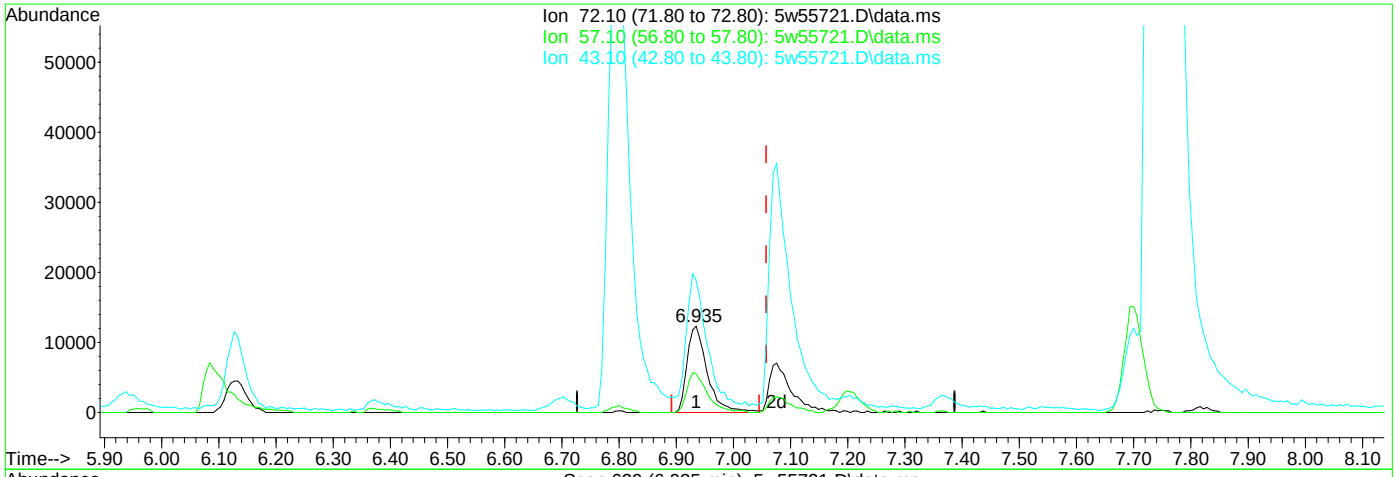
**Sample Number:** JE2490-4
**Lab FileID:** 5W55721.D
**Injection Time:** 12/18/24 12:42
**Method:** TO-15
**Analyst approved:** 12/18/24 19:38 Kristel Valladolid
**Supervisor approved:** 12/23/24 12:03 Kanya Veerawat

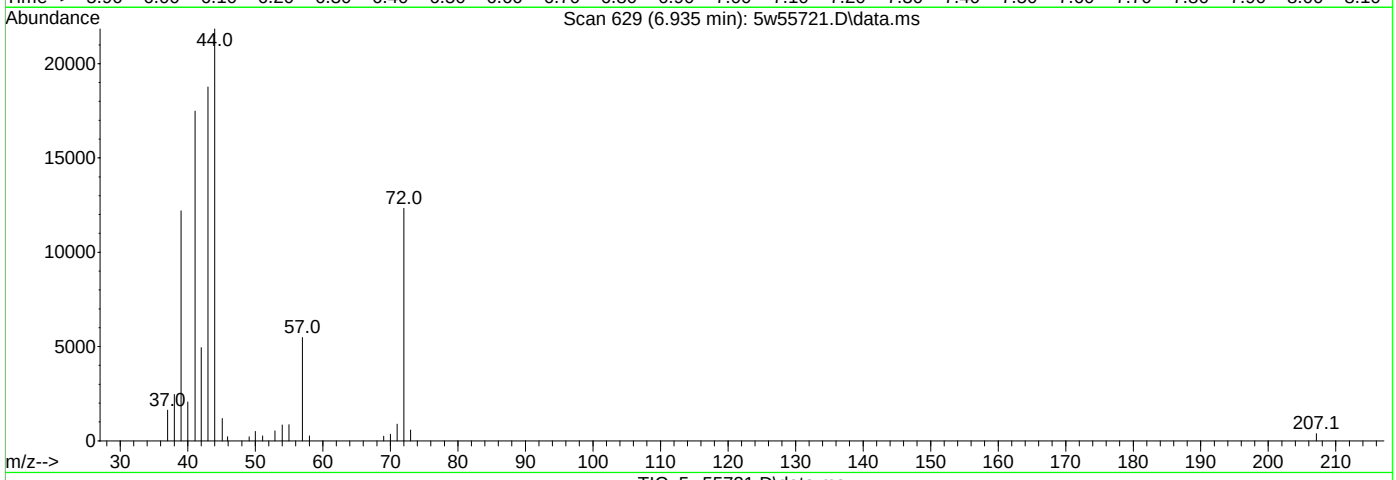
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Freon 152A | 75-37-6 | | 3.54 | Missed peak |
| Ethanol | 64-17-5 | | 4.57 | Missed peak |
| Methyl ethyl ketone | 78-93-3 | | 7.08 | Missed peak |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55721.D\data.ms

(41) METHYL ETHYL KETONE

6.935min (-0.122) 3.46PPBV

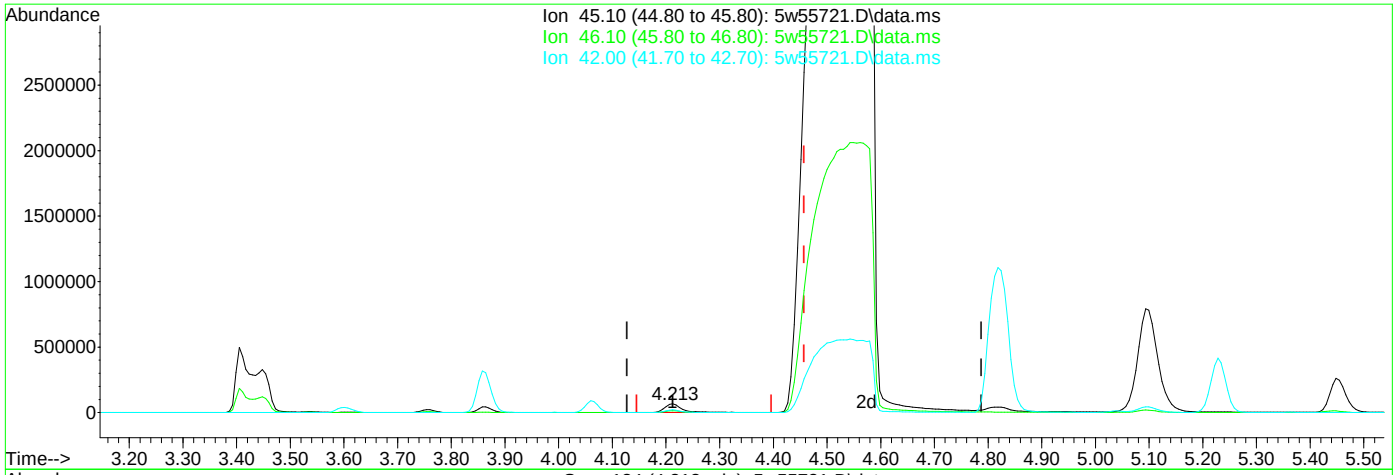
response 30325

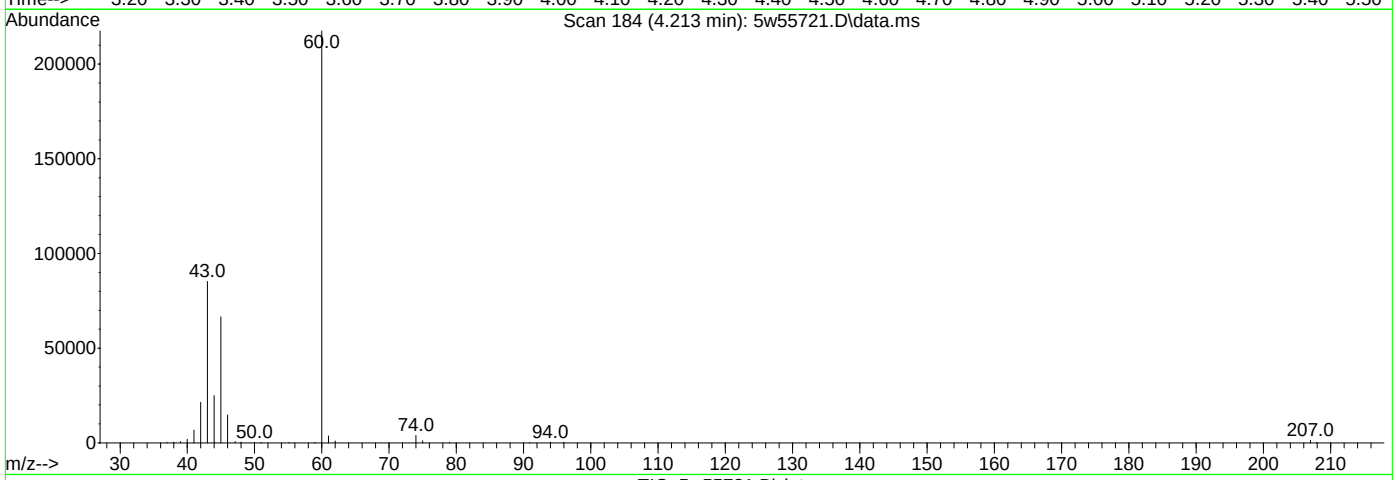
| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 44.49 |
| 43.10 | 420.60 | 152.19# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55721.D\data.ms

(28) ETHANOL

4.213min (-0.245) 9.66PPBV

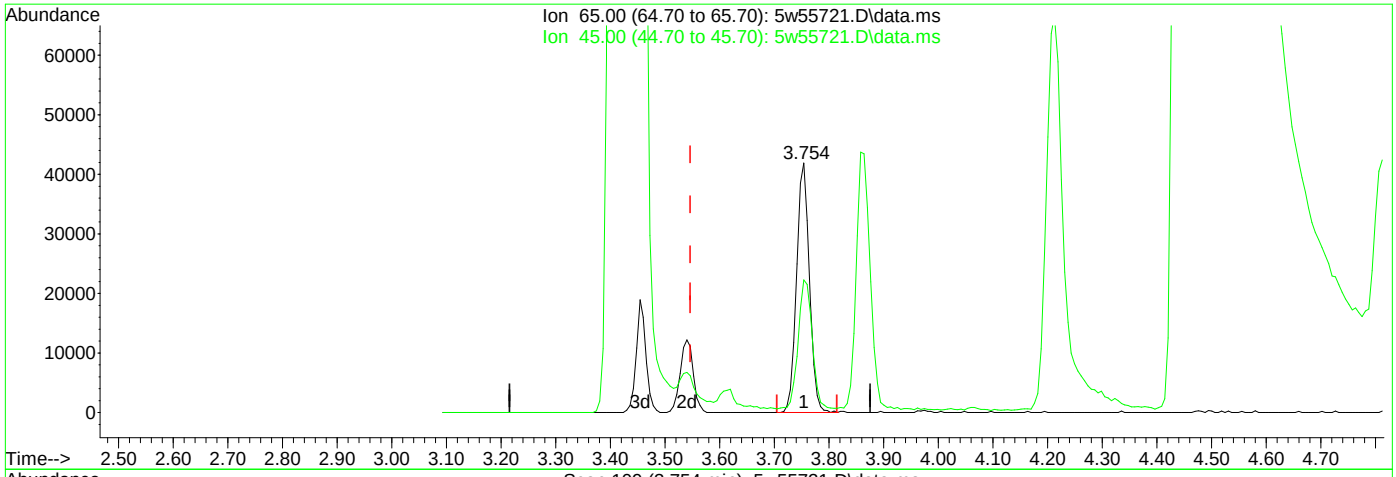
response 152902

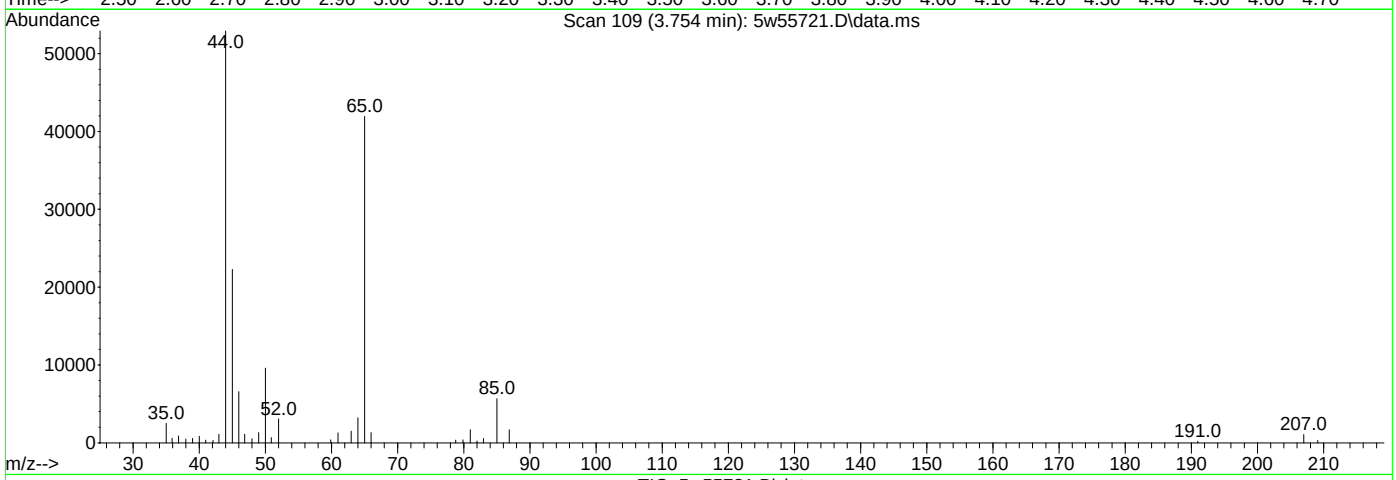
| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 34.50 | 25.15 |
| 42.00 | 8.60 | 28.21 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55721.D
Acq On : 18 Dec 2024 12:42 pm
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 18 23:52:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55721.D\data.ms

(3) FREON 152A

3.754min (+0.208) 4.56PPBV

response 68106

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 31.80 | 56.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55794.D
Acq On : 21 Dec 2024 1:49 am
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2136,20,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 23 07:51:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

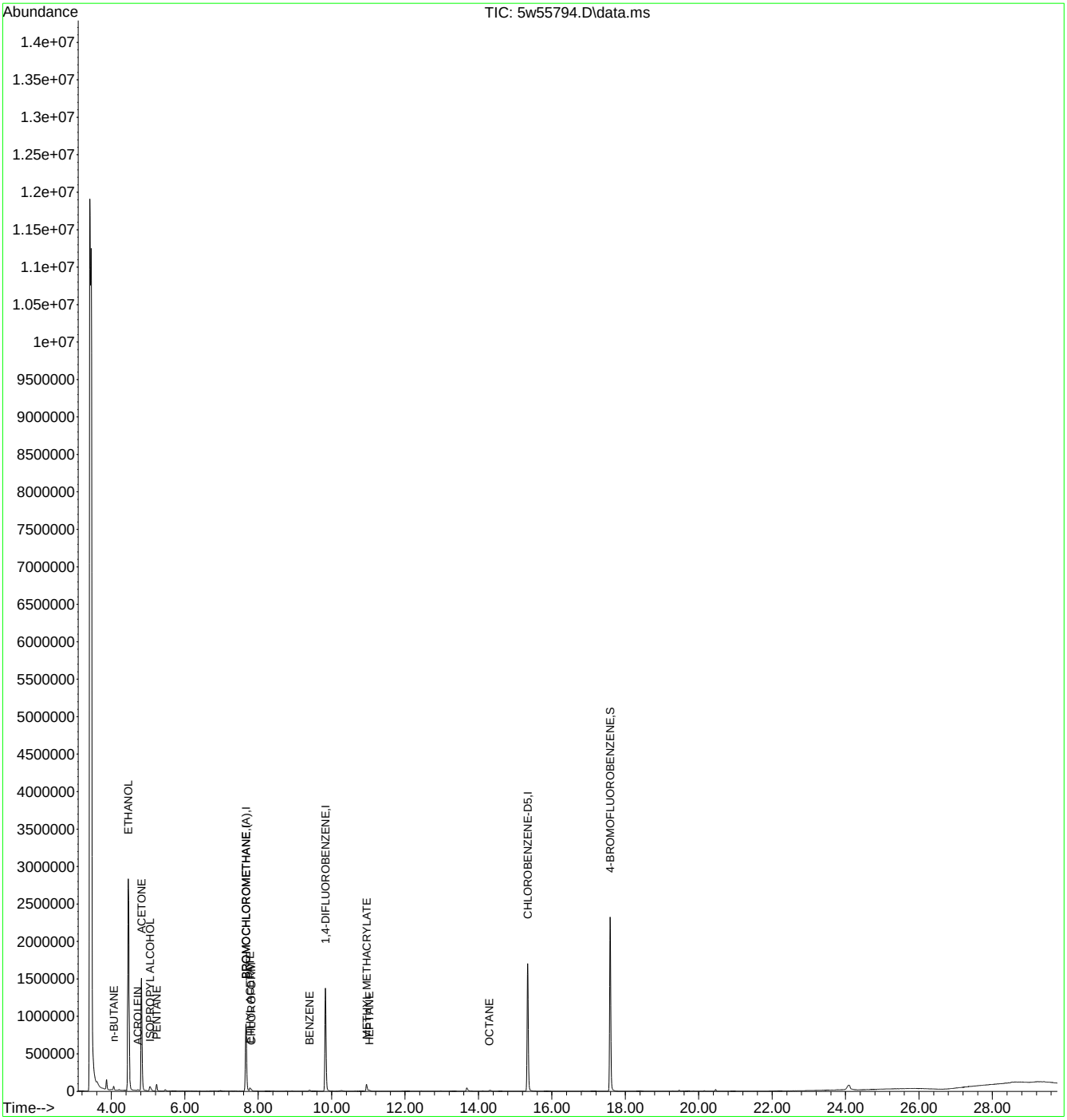
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 245552 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1188779 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 677814 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 245552 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 828187 | 10.92 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) n-BUTANE | 4.066 | 43 | 44692 | 0.8519 | PPBV | # 94 |
| 18) ACROLEIN | 4.720 | 56 | 8445 | 0.6382 | PPBV | 81 |
| 22) ISOPROPYL ALCOHOL | 5.051 | 45 | 108866 | 2.0720 | PPBV | 89 |
| 23) ACETONE | 4.818 | 58 | 524069 | 26.4618 | PPBV | # 81 |
| 24) PENTANE | 5.234 | 42 | 38736 | 1.4841 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 3885481 | 201.7751 | PPBV | 99 |
| 44) ETHYL ACETATE | 7.773 | 61 | 7503 | 0.9549 | PPBV | # 74 |
| 46) CHLOROFORM | 7.810 | 83 | 9379 | 0.1488 | PPBV | 92 |
| 52) BENZENE | 9.400 | 78 | 16093 | 0.1868 | PPBV | 98 |
| 62) HEPTANE | 11.028 | 43 | 5465 | 0.1196 | PPBV | 86 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 46966 | 1.6396 | PPBV | 79 |
| 76) OCTANE | 14.294 | 43 | 20484 | 0.3441 | PPBV | # 34 |

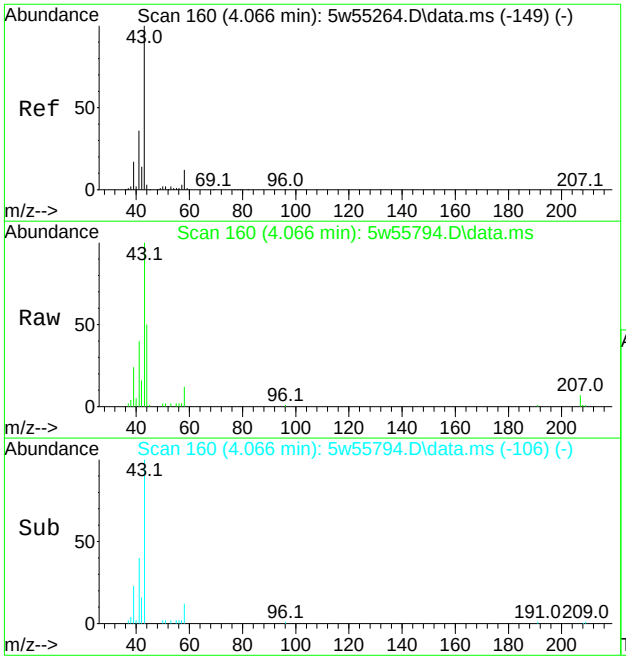
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55794.D
Acq On : 21 Dec 2024 1:49 am
Operator : thomash
Sample : je2490-4 Inst : GCMS5W
Misc : MS88104,V5W2136,20,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 23 07:51:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

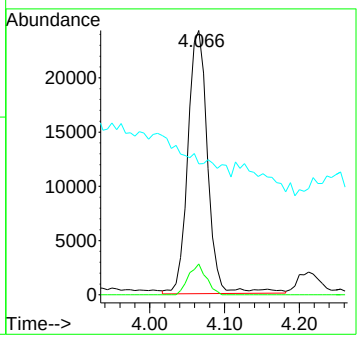


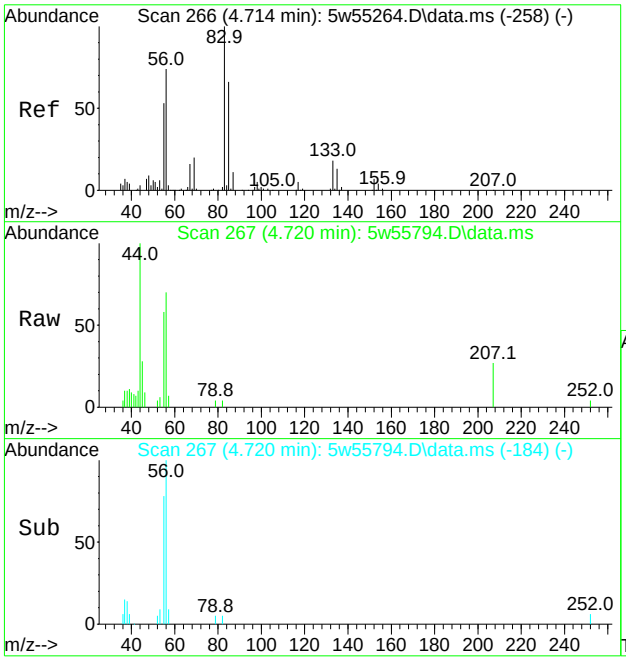



#13
n-BUTANE
Concen: 0.8519 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 44692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.6 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

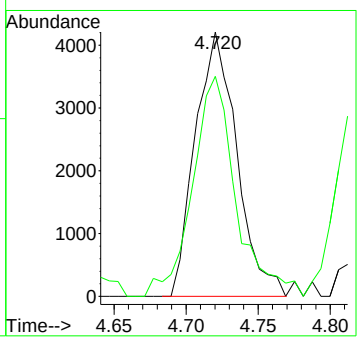


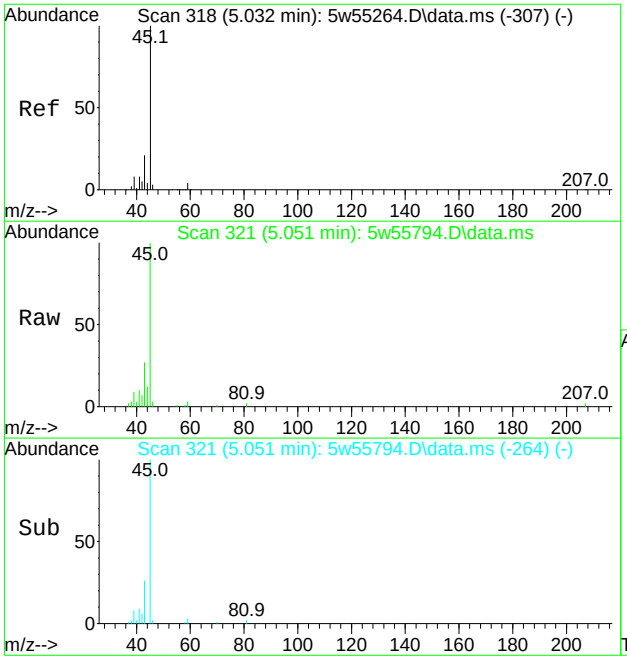




#18
ACROLEIN
Concen: 0.6382 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 56 Resp: 8445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 86.9 | 49.8 | 92.6 |

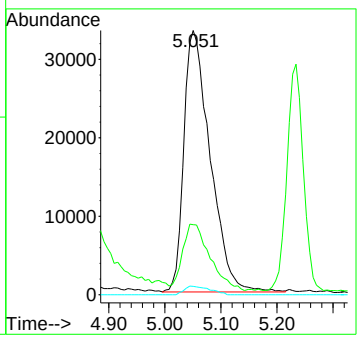


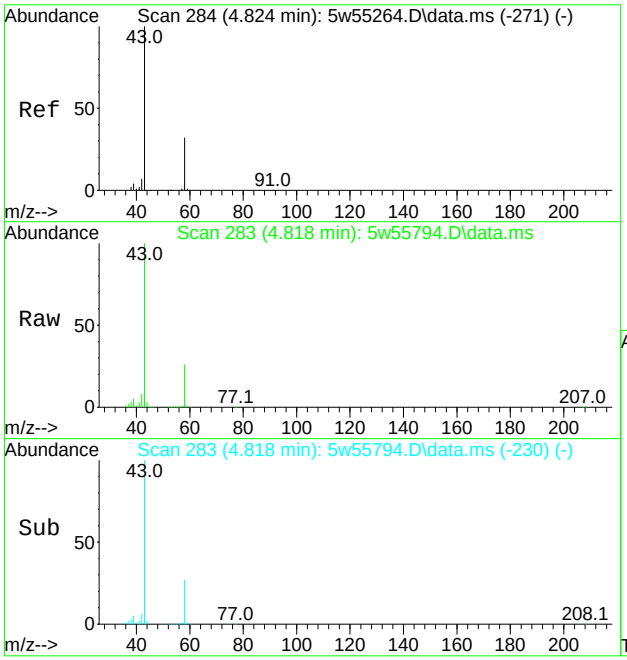



#22
ISOPROPYL ALCOHOL
Concen: 2.0720 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 45 Resp: 108866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 26.5 | 0.0 | 50.8 |
| 59 | 3.2 | 0.0 | 33.8 |

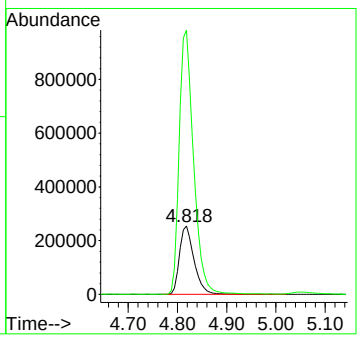


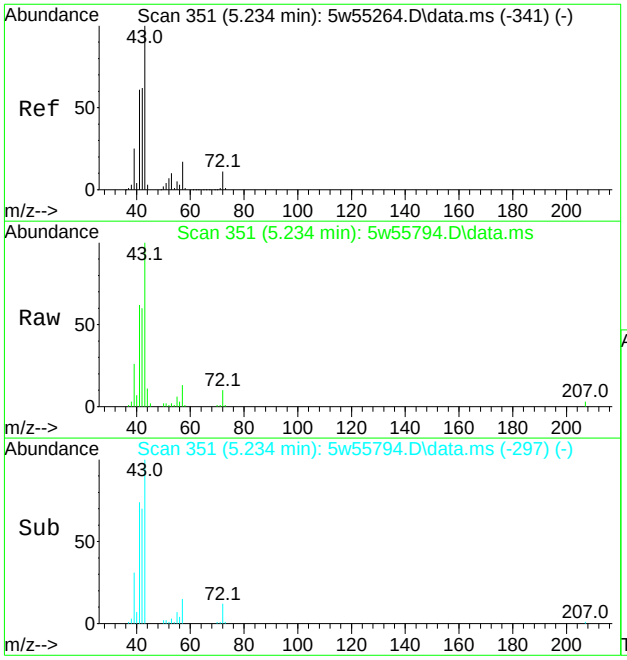




#23
ACETONE
Concen: 26.4618 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 58 Resp: 524069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 382.2 | 312.3 | 372.3# |

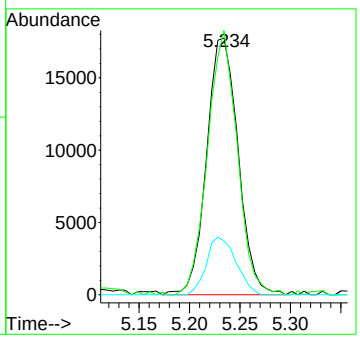


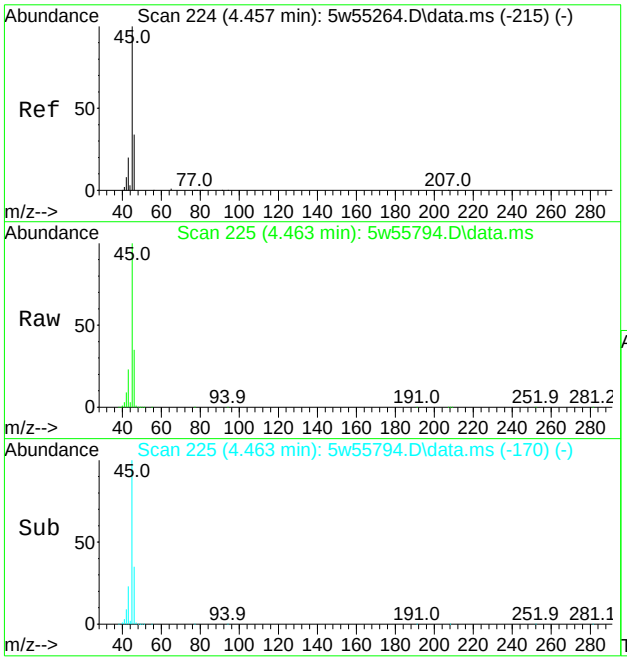



#24
PENTANE
Concen: 1.4841 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 42 Resp: 38736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.6 | 64.4 | 124.4 |
| 57 | 21.0 | 0.0 | 55.0 |

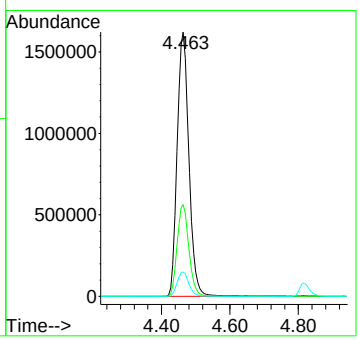


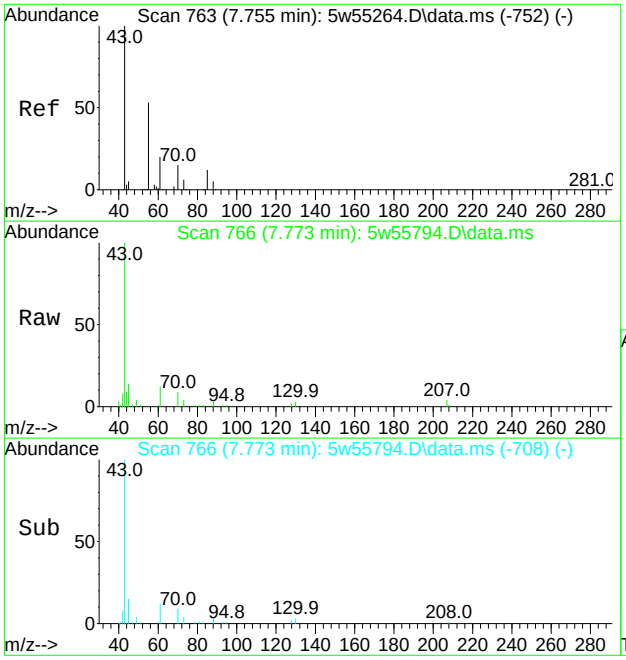




#28
ETHANOL
Concen: 201.7751 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 45 Resp: 3885481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.9 | 4.5 | 64.5 |
| 42 | 9.4 | 0.0 | 38.6 |

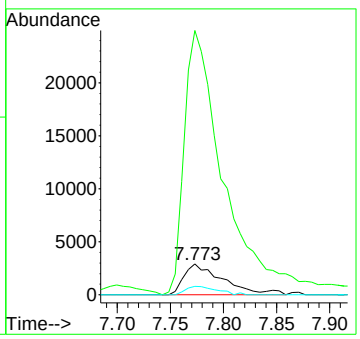


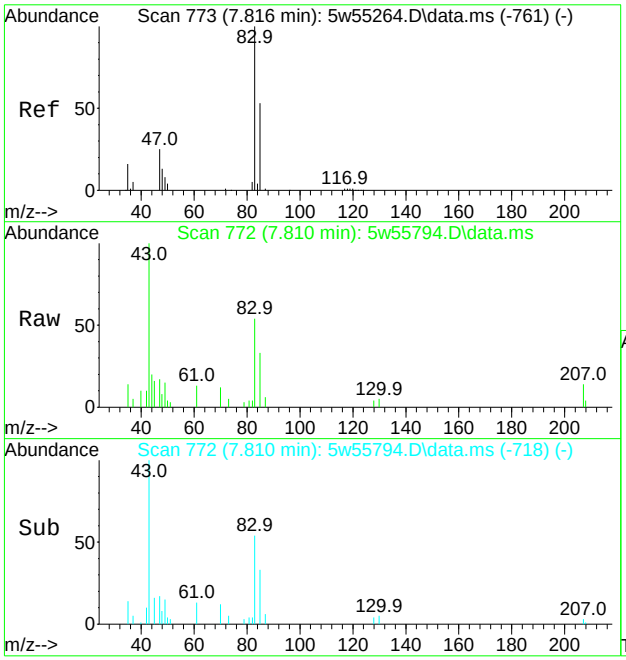



#44
ETHYL ACETATE
Concen: 0.9549 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 61 Resp: 7503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 935.8 | 0.0 | 30.0# |
| 88 | 21.9 | 7.3 | 67.3 |

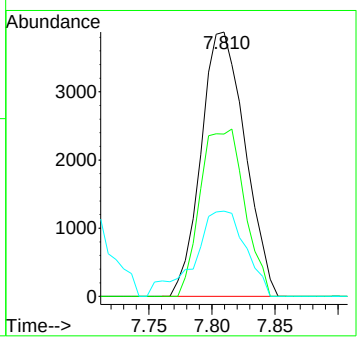


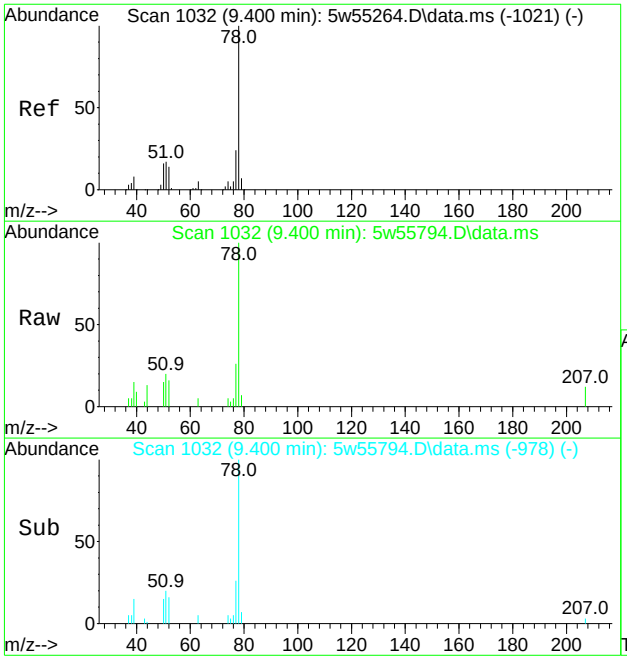




#46
CHLOROFORM
Concen: 0.1488 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 83 Resp: 9379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.7 | 35.5 | 95.5 |
| 47 | 37.6 | 0.0 | 56.8 |

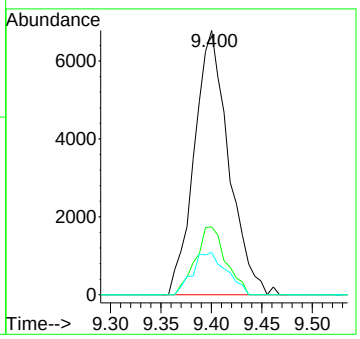


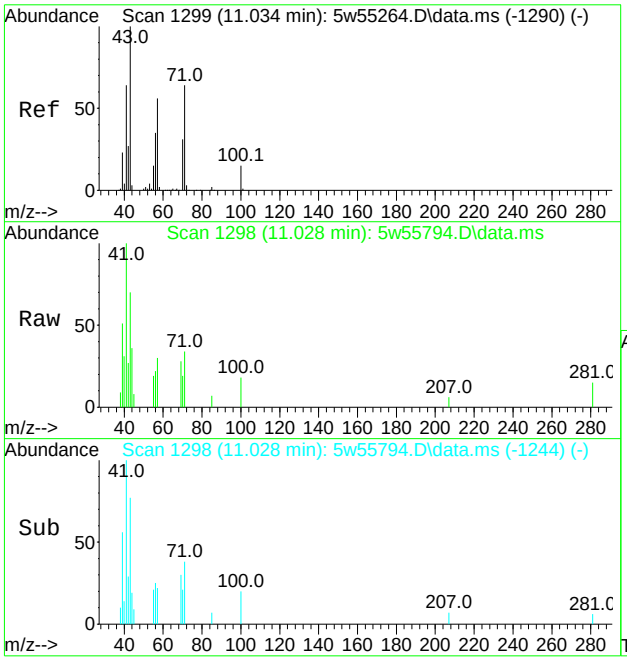



#52
BENZENE
Concen: 0.1868 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 78 Resp: 16093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.6 | 0.0 | 54.0 |
| 52 | 15.8 | 0.0 | 45.6 |

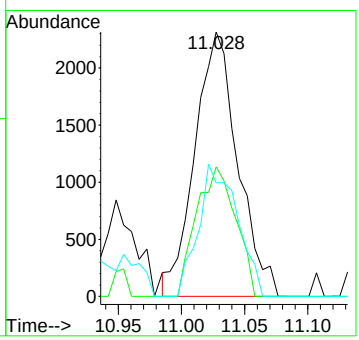


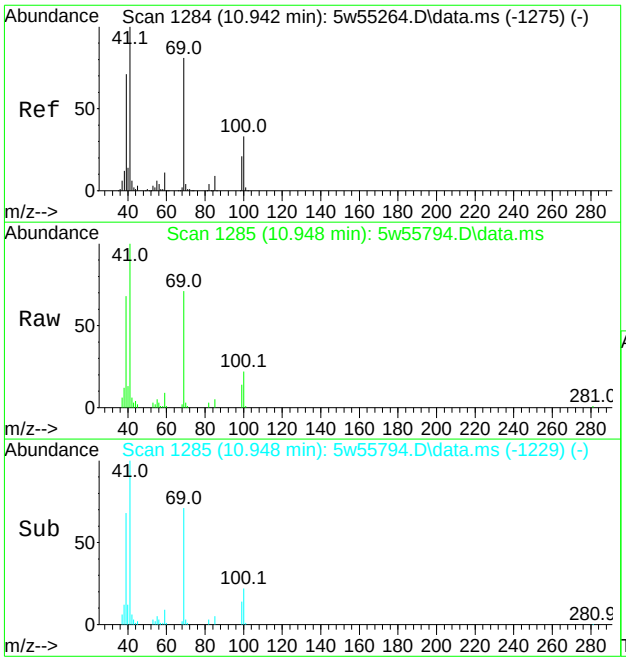




#62
HEPTANE
Concen: 0.1196 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 5465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 44.9 | 27.2 | 87.2 |
| 57 | 45.2 | 22.5 | 82.5 |

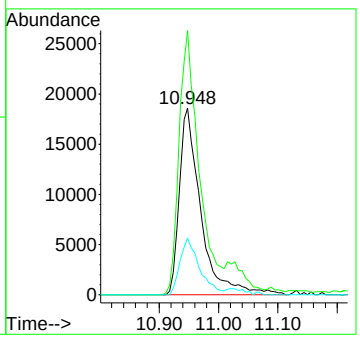


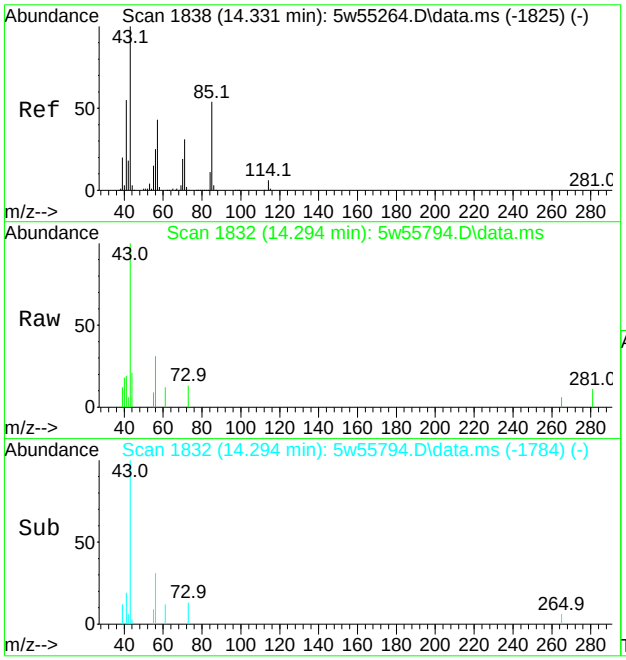



#63
METHYL METHACRYLATE
Concen: 1.6396 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 69 Resp: 46966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 155.7 | 97.3 | 157.3 |
| 100 | 27.8 | 3.0 | 63.0 |

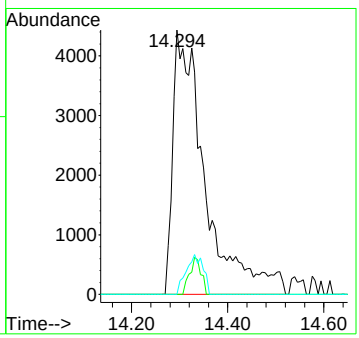



#76
OCTANE
Concen: 0.3441 PPBV
RT: 14.294 min Scan# 1832
Delta R.T. -0.037 min
Lab File: 5w55794.D
Acq: 21 Dec 2024 1:49 am

Tgt Ion: 43 Resp: 20484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 0.0 | 13.7 | 73.7# |
| 57 | 0.0 | 9.9 | 69.9# |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

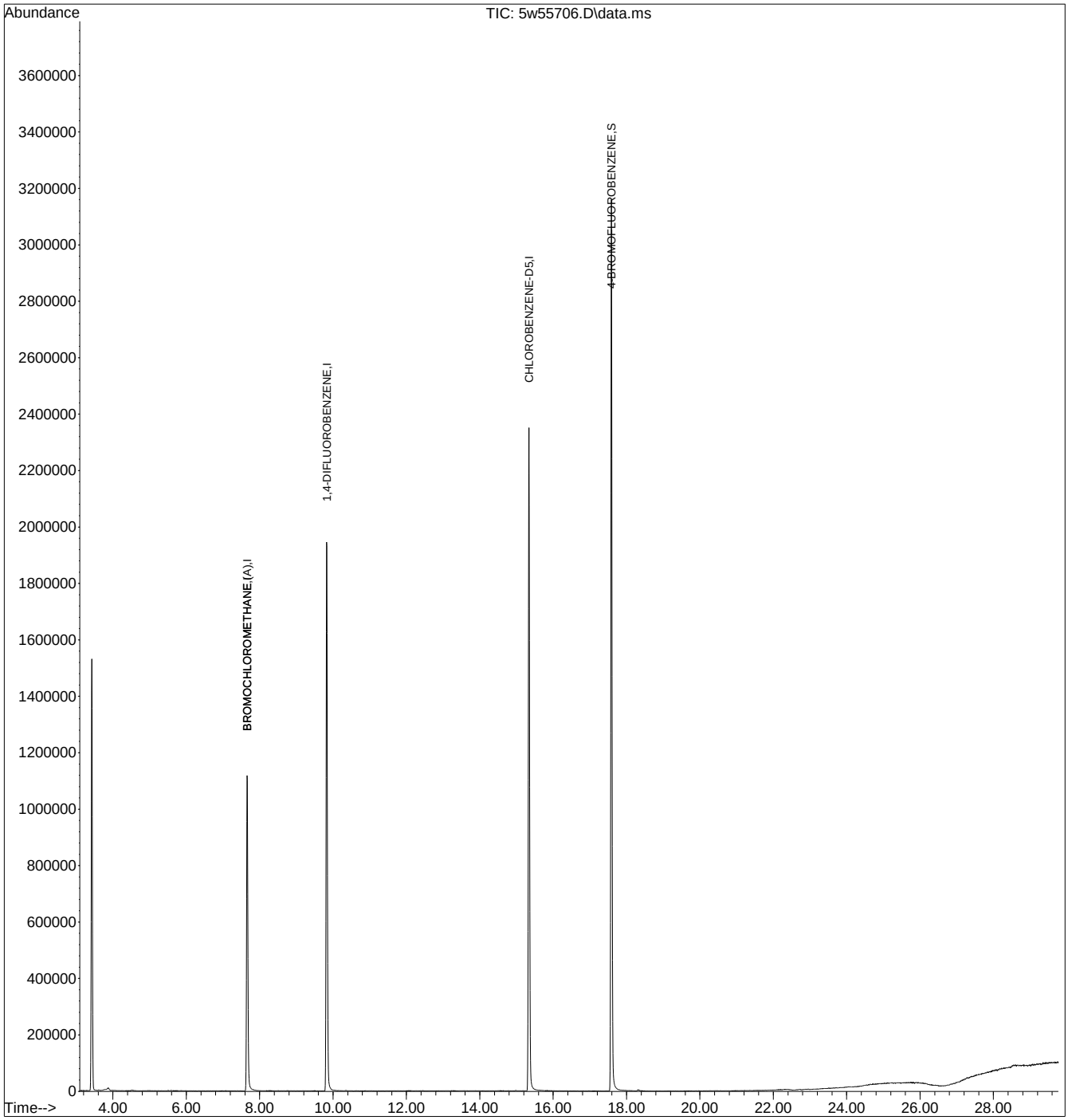
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1754729 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 953484 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1170287 | 10.97 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.70% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

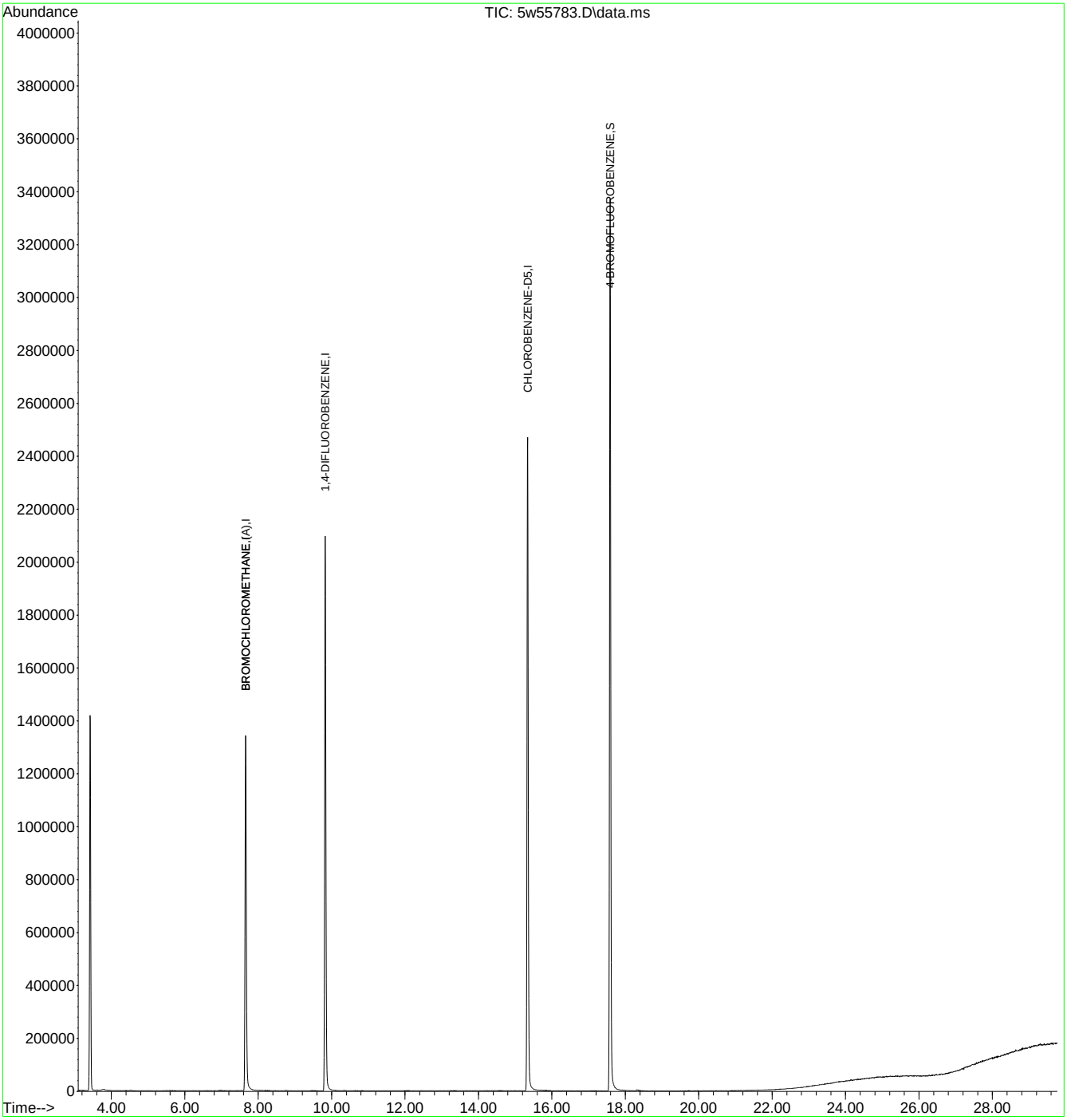
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 420264 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.823 | 114 | 1982756 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 1052285 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 420264 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1308462 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

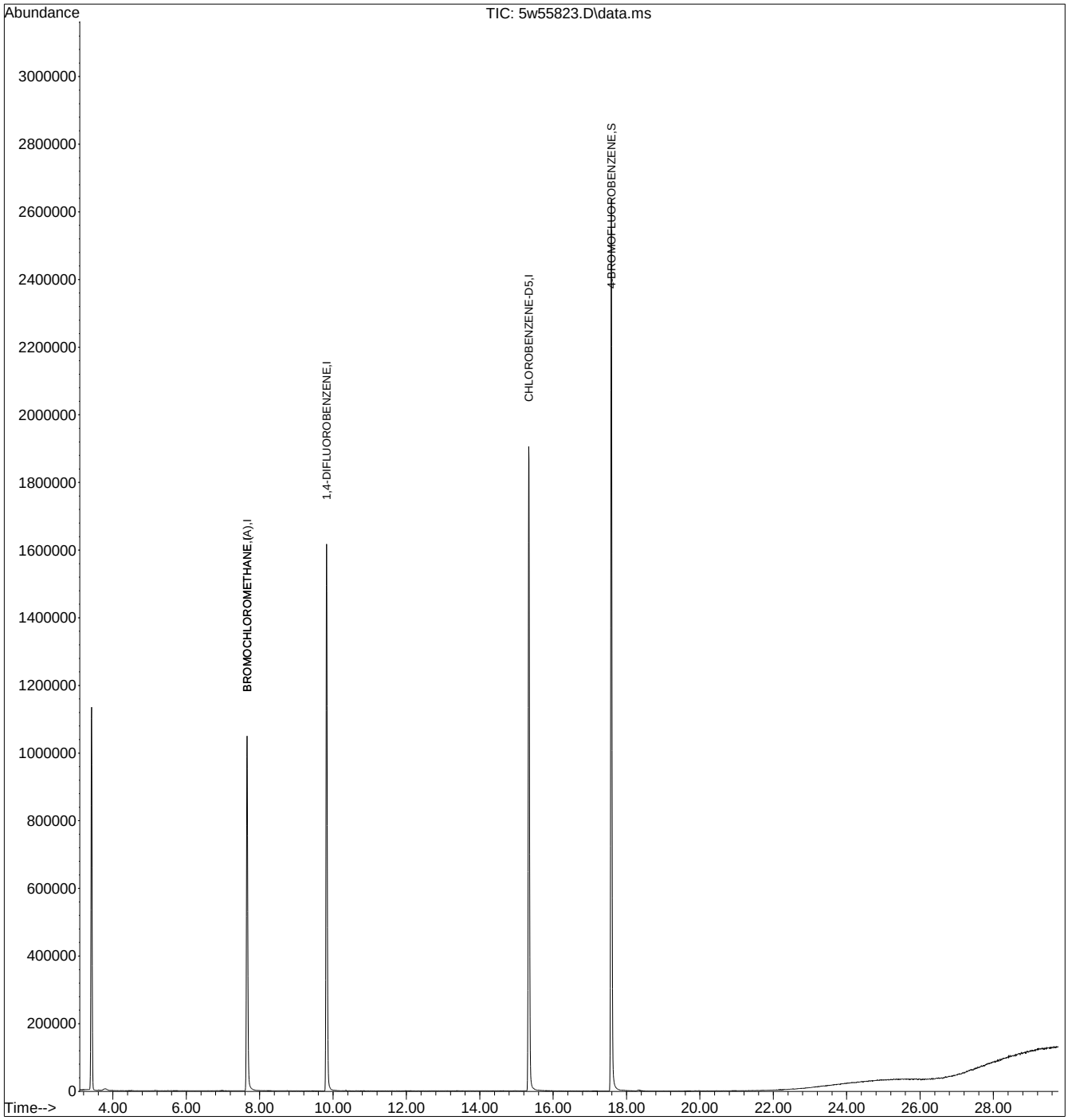
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 311710 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1493158 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 781178 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 311710 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 951244 | 10.88 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.80% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327182 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 306459 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 198631 | 8.84 | PPBV | 0.00 |

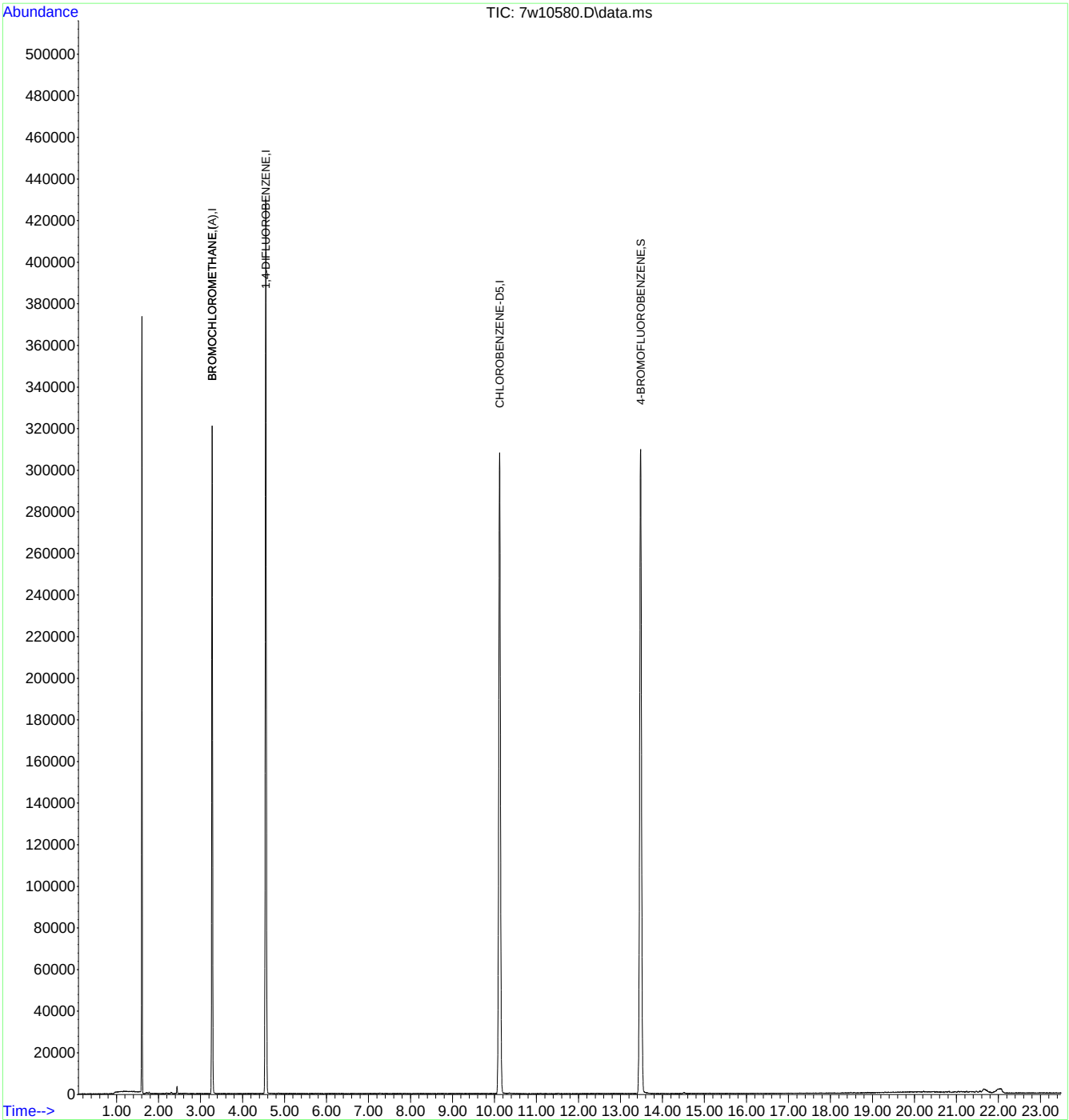
| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1454050 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 902926 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1012991 | 10.02 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 565739 | 13.1668 | PPBV | 91 |
| 3) FREON 152A | 3.539 | 65 | 284375 | 12.2452 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 159275 | 13.2268 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 564184 | 10.3804 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1415187 | 12.3372 | PPBV | 99 |
| 7) PROPYLENE | 3.594 | 41 | 354111 | 12.2570 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1323070 | 11.2633 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1523848 | 10.8301 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.766 | 52 | 140759 | 9.5156 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 501674 | 9.6309 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 328641 | 9.4013 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 677176 | 10.0983 | PPBV | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 501334 | 9.1337 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 221160 | 9.2911 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1186539 | 10.0844 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 382031 | 9.8628 | PPBV | 99 |
| 18) ACROLEIN | 4.708 | 56 | 172478 | 10.1971 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1197754 | 10.1145 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 626407 | 9.9483 | PPBV | 87 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1226758 | 11.5726 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 790681 | 11.7722 | PPBV | 97 |
| 23) ACETONE | 4.818 | 58 | 188311 | 7.4382 | PPBV # | 75 |
| 24) PENTANE | 5.228 | 42 | 412053 | 12.3497 | PPBV | 96 |
| 25) IODOMETHANE | 5.411 | 142 | 1095345 | 12.3862 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 369495 | 11.2461 | PPBV | 92 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1178475 | 12.3977 | PPBV | 97 |
| 28) ETHANOL | 4.451 | 45 | 234765 | 9.5372 | PPBV | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 463255 | 9.9074 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 244683 | 9.3040 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 349487 | 10.6154 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 190768 | 12.5662 | PPBV # | 87 |
| 33) FREON 113 | 5.815 | 151 | 700101 | 12.8166 | PPBV | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 391118 | 11.2651 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 757111 | 11.9832 | PPBV | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1179737 | 13.2568 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 184127 | 13.5162 | PPBV | 90 |
| 38) HEXANE | 7.699 | 57 | 608636 | 12.3752 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 69299 | 12.3275 | PPBV # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 782820 | 12.1315 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 193409 | 14.2049 | PPBV # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 420664 | 11.6767 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 186180 | 12.4621 | PPBV # | 85 |
| 44) ETHYL ACETATE | 7.742 | 61 | 140521 | 13.9905 | PPBV # | 97 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 787676 | 13.1741 | PPBV | 98 |
| 46) CHLOROFORM | 7.803 | 83 | 999111 | 12.3991 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 691755 | 12.8610 | PPBV | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1006425 | 12.3007 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 1065043 | 12.3166 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.599 | 62 | 713469 | 13.6130 | PPBV | | 98 |
| 52) BENZENE | 9.394 | 78 | 1257021 | 11.9271 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.694 | 84 | 486536 | 12.2895 | PPBV | | 97 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 259732 | 12.1515 | PPBV | | 98 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 606209 | 10.9106 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.355 | 63 | 487323 | 10.8937 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 10.330 | 174 | 698985 | 12.8515 | PPBV | | 85 |
| 58) ETHYL ACRYLATE | 10.410 | 55 | 966249 | 13.6926 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.599 | 83 | 1178495 | 12.1464 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1917970 | 11.9840 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 10.667 | 88 | 278430 | 11.3444 | PPBV | | 92 |
| 62) HEPTANE | 11.027 | 43 | 734912 | 13.1469 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 466996 | 13.3286 | PPBV | | 92 |
| 64) METHYL ISOBUTYL KETONE | 11.786 | 58 | 380109 | 12.7624 | PPBV | # | 84 |
| 65) cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 867878 | 12.7711 | PPBV | | 93 |
| 66) TOLUENE | 12.955 | 92 | 833668 | 11.3092 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.003 | 76 | 782394 | 12.0642 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 789840 | 12.6276 | PPBV | | 94 |
| 69) 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 514691 | 11.5580 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.358 | 58 | 543573 | 12.7616 | PPBV | | 83 |
| 72) ETHYL METHACRYLATE | 13.383 | 69 | 807428 | 12.9466 | PPBV | | 93 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 702048 | 11.9038 | PPBV | | 84 |
| 74) DIBROMOCHLOROMETHANE | 13.505 | 129 | 1035622 | 10.7992 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 887287 | 11.1580 | PPBV | | 99 |
| 76) OCTANE | 14.325 | 43 | 1070818 | 13.5020 | PPBV | | 94 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 668416 | 10.0948 | PPBV | | 90 |
| 78) CHLOROBENZENE | 15.402 | 112 | 1154772 | 9.9346 | PPBV | | 93 |
| 79) ETHYLBENZENE | 15.952 | 91 | 1956239 | 11.7515 | PPBV | | 97 |
| 80) m,p-XYLENE | 16.234 | 106 | 1371318 | 21.7102 | PPBV | | 92 |
| 81) o-XYLENE | 16.900 | 106 | 681674 | 11.1179 | PPBV | | 92 |
| 82) STYRENE | 16.748 | 104 | 1052497 | 11.9681 | PPBV | | 95 |
| 83) NONANE | 17.310 | 43 | 1118669 | 13.5163 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1443015 | 14.7072 | PPBV | | 99 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1389683 | 11.2759 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 990307 | 11.1286 | PPBV | | 95 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 1992471 | 10.5020 | PPBV | | 97 |
| 89) BROMOBENZENE | 17.904 | 77 | 1163694 | 10.8599 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 481256 | 10.1243 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.632 | 120 | 515888 | 10.7259 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.876 | 105 | 2026620 | 11.5739 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1698402 | 11.3495 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 797961 | 9.8784 | PPBV | | 97 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 342276 | 10.4760 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1838391 | 11.7088 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.813 | 146 | 1339814 | 10.8375 | PPBV | | 98 |
| 98) BENZYL CHLORIDE | 19.806 | 91 | 1865291 | 11.0684 | PPBV | | 97 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1301886 | 11.2793 | PPBV | | 98 |
| 100) sec-BUTYLBENZENE | 20.014 | 134 | 412760 | 10.5885 | PPBV | # | 89 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1793961 | 11.2501 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 475123 | 10.3705 | PPBV | | 95 |
| 103) o-DICHLOROBENZENE | 20.400 | 146 | 1223964 | 10.9062 | PPBV | | 98 |
| 104) n-BUTYLBENZENE | 20.852 | 134 | 455939 | 10.8186 | PPBV | # | 77 |
| 105) HEXACHLOROETHANE | 21.317 | 117 | 953521 | 12.1375 | PPBV | # | 81 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 1732900 | 16.4128 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1430193 | 14.3025 | PPBV | | 96 |
| 108) NAPHTHALENE | 22.877 | 128 | 2358681 | 10.7459 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2726987 | 11.0975 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

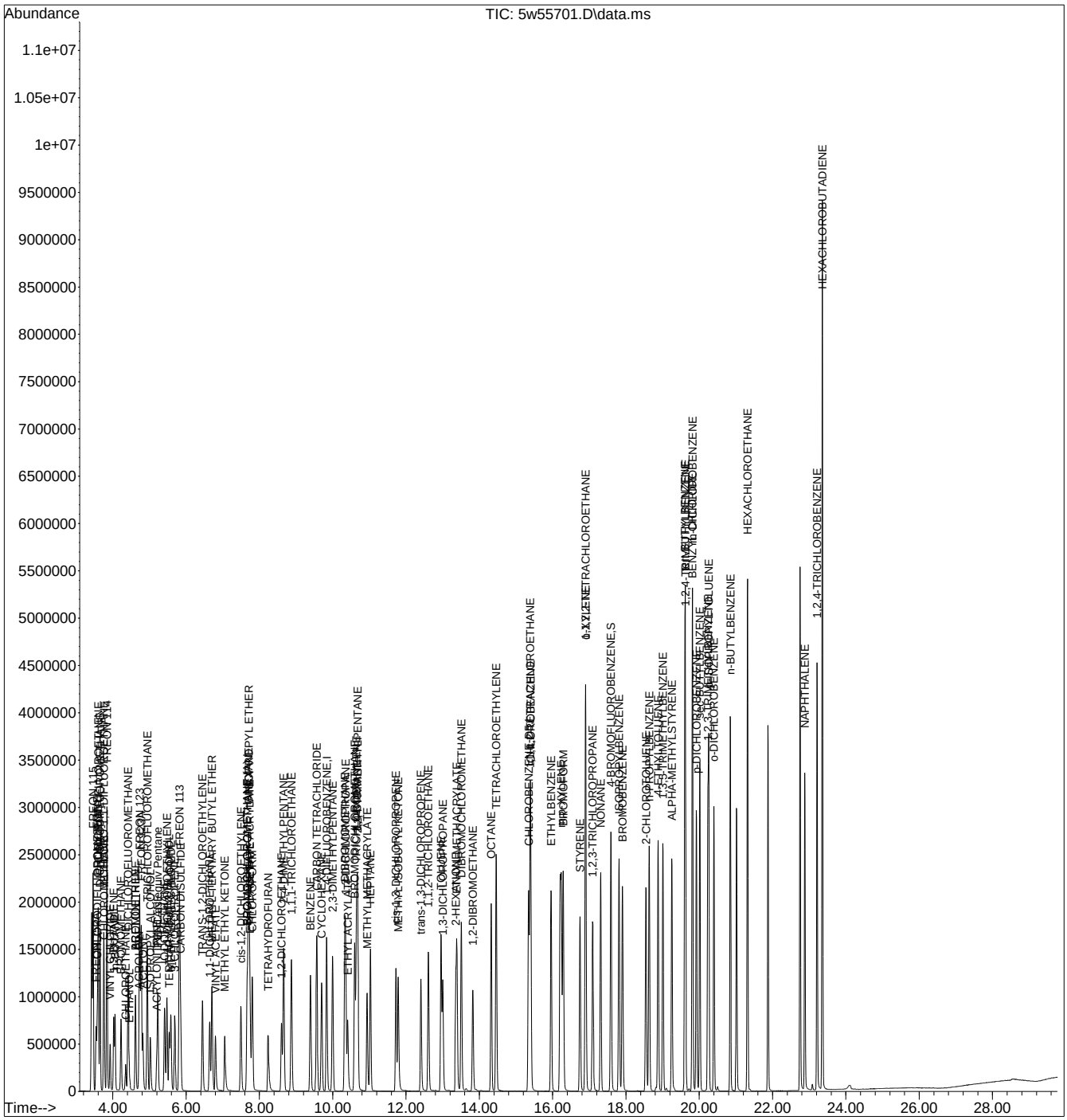
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 319491 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1462454 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 906713 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 319491 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1005252 | 9.91 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.454 | 119 | 523028 | 11.9594 | PPBV | | 88 |
| 3) FREON 152A | 3.533 | 65 | 278056 | 11.7633 | PPBV | | 93 |
| 4) CHLORODIFLUOROMETHANE | 3.564 | 67 | 155658 | 12.6999 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 3.595 | 116 | 549136 | 9.9265 | PPBV | | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.644 | 85 | 1386093 | 11.8718 | PPBV | | 99 |
| 7) PROPYLENE | 3.588 | 41 | 355035 | 12.0736 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.748 | 65 | 1414411 | 11.8298 | PPBV | | 98 |
| 9) FREON 114 | 3.833 | 85 | 1603406 | 11.1958 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.760 | 52 | 152620 | 10.1366 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.919 | 62 | 535334 | 10.0970 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.017 | 54 | 348917 | 9.8064 | PPBV | # | 83 |
| 13) n-BUTANE | 4.053 | 43 | 718682 | 10.5294 | PPBV | | 97 |
| 14) BROMOMETHANE | 4.219 | 94 | 516272 | 9.2410 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 224643 | 9.2721 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 4.408 | 67 | 1207581 | 10.0834 | PPBV | | 97 |
| 17) ACETONITRILE | 4.610 | 41 | 384779 | 9.7597 | PPBV | | 98 |
| 18) ACROLEIN | 4.702 | 56 | 172931 | 10.0447 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1196430 | 9.9263 | PPBV | | 99 |
| 20) FREON 123A | 4.763 | 117 | 630011 | 9.8302 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1229725 | 11.3973 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.014 | 45 | 763115 | 11.1627 | PPBV | | 97 |
| 23) ACETONE | 4.812 | 58 | 190310 | 7.3855 | PPBV | # | 73 |
| 24) PENTANE | 5.222 | 42 | 395773 | 11.6539 | PPBV | | 95 |
| 25) IODOMETHANE | 5.405 | 142 | 1000997 | 11.1209 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 389796 | 11.6561 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 5.840 | 76 | 1221179 | 12.6219 | PPBV | | 97 |
| 28) ETHANOL | 4.445 | 45 | 240425 | 9.5959 | PPBV | | 98 |
| 29) BROMOETHENE | 4.610 | 106 | 479535 | 10.0759 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.191 | 52 | 233936 | 8.7395 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.577 | 84 | 372212 | 11.1075 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 5.681 | 76 | 197475 | 12.7801 | PPBV | # | 86 |
| 33) FREON 113 | 5.809 | 151 | 716925 | 12.8946 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.439 | 96 | 404836 | 11.4559 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.534 | 59 | 802450 | 12.4782 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1222293 | 13.4943 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 194280 | 14.0116 | PPBV | | 92 |
| 38) HEXANE | 7.693 | 57 | 631896 | 12.6230 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 72188 | 12.6164 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 803245 | 12.2299 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.045 | 72 | 200051 | 14.4352 | PPBV | # | 76 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 434125 | 11.8391 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 192063 | 12.6306 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.736 | 61 | 147247 | 14.4032 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 811813 | 13.3399 | PPBV | | 98 |
| 46) CHLOROFORM | 7.804 | 83 | 1037123 | 12.6453 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 720377 | 13.1585 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1037001 | 12.4523 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1093220 | 12.4209 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 736647 | 13.8089 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1307486 | 12.3347 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 503829 | 12.6532 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 275093 | 12.7962 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 626809 | 11.2165 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 506804 | 11.2641 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 714172 | 13.0552 | PPBV | | 86 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1004441 | 14.1520 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1210939 | 12.4090 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1992264 | 12.3767 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 295490 | 11.9703 | PPBV | # | 88 |
| 62) | HEPTANE | 11.021 | 43 | 764169 | 13.5917 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 482843 | 13.7017 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 392461 | 13.1014 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 895059 | 13.0954 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 853406 | 11.5104 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 799011 | 12.2496 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 820148 | 13.0368 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 531421 | 11.8651 | PPBV | | 95 |
| 71) | 2-HEXANONE | 13.352 | 58 | 565228 | 13.2145 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 832567 | 13.2939 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 713567 | 12.0486 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1064490 | 11.0538 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 904377 | 11.3254 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1098704 | 13.7958 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 683441 | 10.2786 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1173195 | 10.0509 | PPBV | | 94 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1995933 | 11.9399 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1397327 | 22.0296 | PPBV | | 92 |
| 81) | o-XYLENE | 16.894 | 106 | 689056 | 11.1913 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1070082 | 12.1172 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1142765 | 13.7498 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1447121 | 14.6874 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1420053 | 11.4742 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 999791 | 11.1883 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2005084 | 10.5243 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1178775 | 10.9547 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 478616 | 10.0267 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 512163 | 10.6039 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2023010 | 11.5050 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1692790 | 11.2647 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 799215 | 9.8526 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 342490 | 10.4388 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1839909 | 11.6695 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1324406 | 10.6681 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1867818 | 11.0371 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1270477 | 10.9612 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 402854 | 10.2912 | PPBV | # | 85 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1789023 | 11.1722 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 473759 | 10.2976 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1198677 | 10.6362 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 451413 | 10.6664 | PPBV | # | 76 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 916453 | 11.6169 | PPBV | # | 83 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1608418 | 15.1702 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1301197 | 12.9582 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2226962 | 10.1034 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2569000 | 10.2713 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

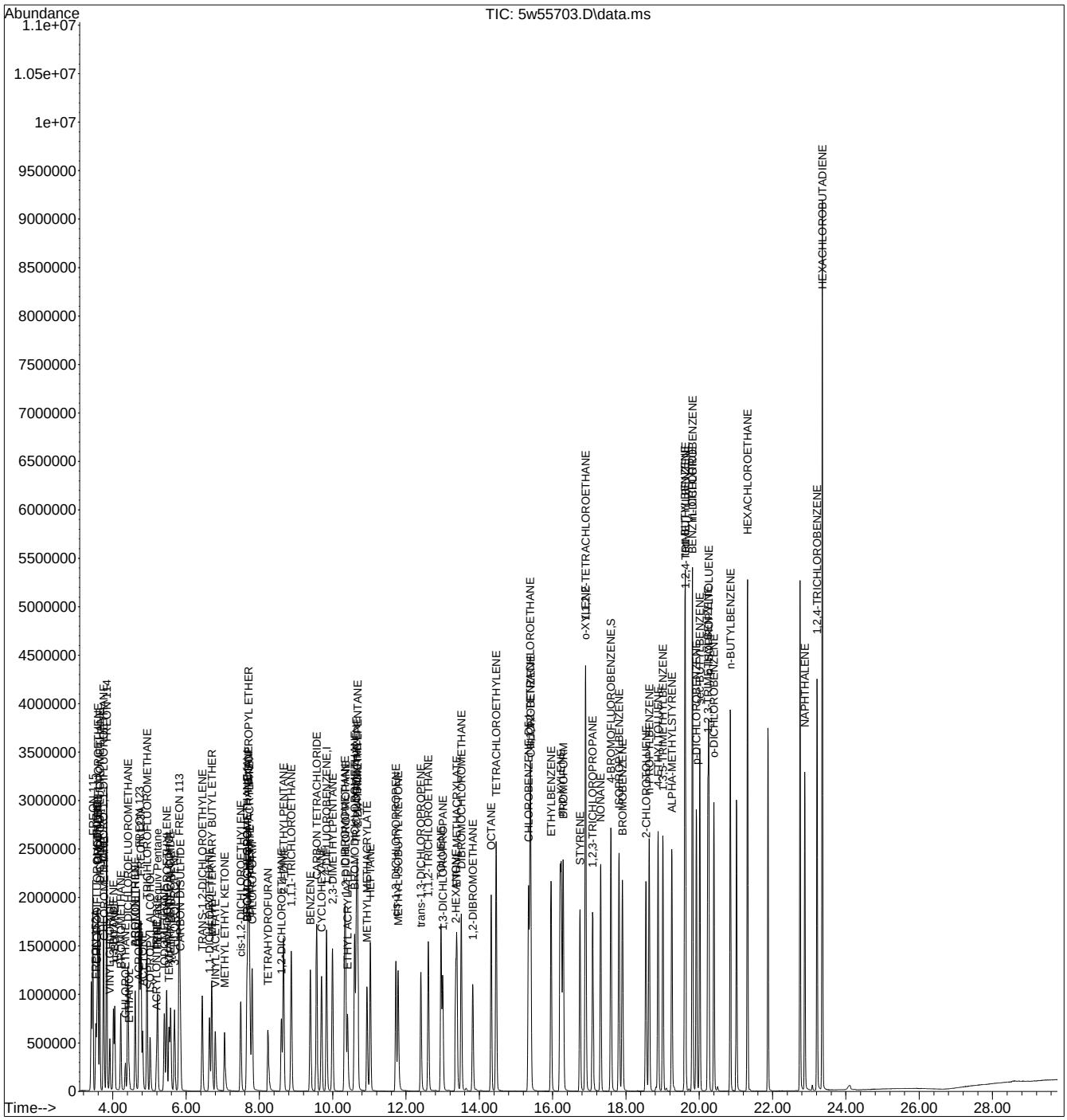
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 349857 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1633756 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 962940 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 349857 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1093279 | 10.15 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 668446 | 13.9579 | PPBV | | 96 |
| 3) FREON 152A | 3.540 | 65 | 334393 | 12.9188 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 167162 | 12.4548 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 693274 | 11.4443 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1525866 | 11.9346 | PPBV | | 99 |
| 7) PROPYLENE | 3.595 | 41 | 400344 | 12.4328 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1228092 | 9.3800 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1400695 | 8.9315 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.766 | 52 | 129999 | 7.8848 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 443987 | 7.6473 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 286476 | 7.3527 | PPBV | # | 82 |
| 13) n-BUTANE | 4.060 | 43 | 581553 | 7.7808 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 463147 | 7.5706 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 196810 | 7.4182 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1056181 | 8.0537 | PPBV | | 98 |
| 17) ACETONITRILE | 4.610 | 41 | 320467 | 7.4229 | PPBV | | 98 |
| 18) ACROLEIN | 4.708 | 56 | 148968 | 7.9018 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1088425 | 8.2464 | PPBV | | 99 |
| 20) FREON 123A | 4.769 | 117 | 603546 | 8.5999 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1293637 | 10.9490 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 831155 | 11.1027 | PPBV | | 99 |
| 23) ACETONE | 4.812 | 58 | 168768 | 5.9810 | PPBV | # | 76 |
| 24) PENTANE | 5.222 | 42 | 454972 | 12.2343 | PPBV | | 98 |
| 25) IODOMETHANE | 5.412 | 142 | 1294788 | 13.1364 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 432726 | 11.8167 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1321614 | 12.4743 | PPBV | | 99 |
| 28) ETHANOL | 4.445 | 45 | 202750 | 7.3899 | PPBV | | 97 |
| 29) BROMOETHENE | 4.610 | 106 | 439306 | 8.4294 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 270767 | 9.2375 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 404329 | 11.0187 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 220115 | 13.0088 | PPBV | | 98 |
| 33) FREON 113 | 5.809 | 151 | 798279 | 13.1117 | PPBV | | 87 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 456547 | 11.7979 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 822785 | 11.6839 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1330725 | 13.4163 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 216466 | 14.2566 | PPBV | | 100 |
| 38) HEXANE | 7.694 | 57 | 662491 | 12.0855 | PPBV | | 96 |
| 39) VINYL ACETATE | 6.800 | 86 | 83207 | 13.2800 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 873079 | 12.1394 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 224723 | 14.8080 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 488762 | 12.1723 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 199164 | 11.9607 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.742 | 61 | 150677 | 13.4595 | PPBV | # | 99 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 847729 | 12.7210 | PPBV | | 99 |
| 46) CHLOROFORM | 7.804 | 83 | 1104554 | 12.2986 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 775642 | 12.9382 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1114918 | 12.2259 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1197111 | 12.4207 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 743486 | 12.7274 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1466428 | 12.3836 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 572471 | 12.8696 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 306384 | 12.7574 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 675373 | 10.8184 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 544941 | 10.8418 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 840847 | 13.7592 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1048650 | 13.2257 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1271551 | 11.6639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2088781 | 11.6157 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 319854 | 11.5987 | PPBV | # | 66 |
| 62) | HEPTANE | 11.022 | 43 | 798745 | 12.7171 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 528775 | 13.4318 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 414066 | 12.3733 | PPBV | | 89 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 983544 | 12.8812 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 982519 | 11.8624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 889736 | 12.2103 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 892331 | 12.6969 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 577507 | 11.5421 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 593592 | 13.0673 | PPBV | | 89 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 903808 | 13.5888 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 827102 | 13.1502 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1193816 | 11.6729 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1016432 | 11.9855 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1146209 | 13.5519 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 775629 | 10.9840 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1336362 | 10.7803 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2245025 | 12.6458 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1611726 | 23.9260 | PPBV | | 99 |
| 81) | o-XYLENE | 16.895 | 106 | 775717 | 11.8632 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1254605 | 13.3772 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1181678 | 13.3878 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1640813 | 15.6809 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1481393 | 11.2709 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1103313 | 11.6258 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2333158 | 11.5312 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1298672 | 11.3642 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 584497 | 11.5299 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 617219 | 12.0329 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2366258 | 12.6713 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1966548 | 12.3223 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 957803 | 11.1181 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 397102 | 11.3966 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2041507 | 12.1921 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1500735 | 11.3825 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1999548 | 11.1256 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1504333 | 12.2209 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 488396 | 11.7480 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2033388 | 11.9568 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 552369 | 11.3052 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1399709 | 11.6948 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 551932 | 12.2801 | PPBV | | 94 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 1028540 | 12.2764 | PPBV | # | 77 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 2083553 | 18.5041 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1784426 | 16.7328 | PPBV | | 94 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2875261 | 12.2830 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2905168 | 10.6072 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

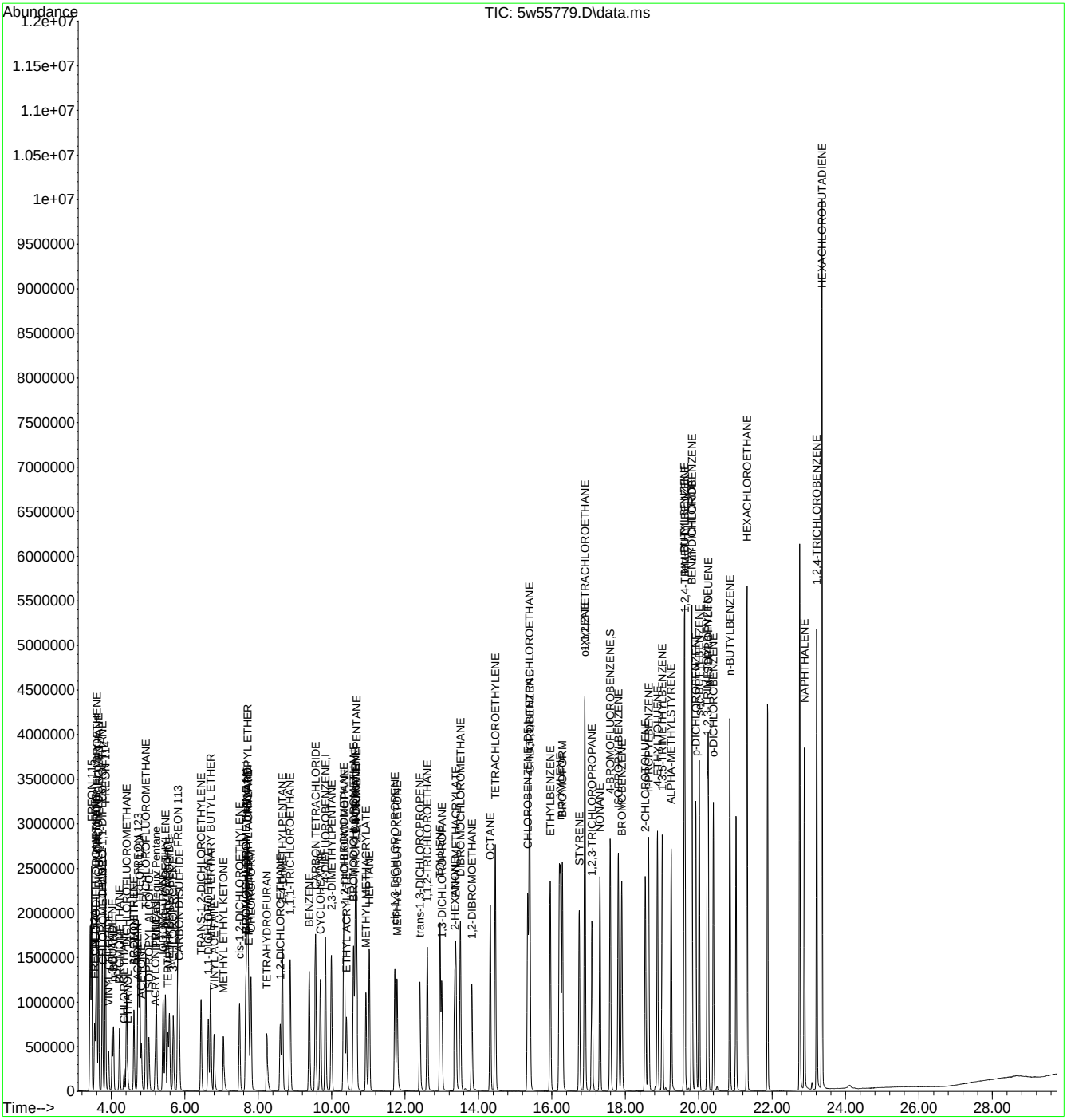
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 369460 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1679765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 969387 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 369460 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1076805 | 9.93 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 652179 | 12.8956 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 330096 | 12.0761 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 165064 | 11.6459 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 680233 | 10.6332 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1512526 | 11.2025 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 393441 | 11.5701 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1215798 | 8.7934 | PPBV | | 99 |
| 9) FREON 114 | 3.845 | 85 | 1400828 | 8.4584 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 129040 | 7.4113 | PPBV | # | 66 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 444406 | 7.2483 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 286639 | 6.9665 | PPBV | | 83 |
| 13) n-BUTANE | 4.066 | 43 | 569571 | 7.2162 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 463485 | 7.1741 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 195048 | 6.9617 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1046503 | 7.5565 | PPBV | | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 311756 | 6.8380 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 147358 | 7.4017 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1087109 | 7.7994 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 602804 | 8.1336 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1341767 | 10.7538 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 872525 | 11.0369 | PPBV | | 100 |
| 23) ACETONE | 4.818 | 58 | 174504 | 5.8562 | PPBV | # | 81 |
| 24) PENTANE | 5.228 | 42 | 475533 | 12.1087 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1422146 | 13.6629 | PPBV | | 92 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 468088 | 12.1042 | PPBV | | 96 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1408204 | 12.5864 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 193277 | 6.6708 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 440847 | 8.0102 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 288473 | 9.3193 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 433740 | 11.1930 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 234311 | 13.1131 | PPBV | | 95 |
| 33) FREON 113 | 5.815 | 151 | 856373 | 13.3195 | PPBV | | 86 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 483767 | 11.8380 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 857174 | 11.5264 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1396778 | 13.3351 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 224810 | 14.0206 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 691663 | 11.9482 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.800 | 86 | 91003 | 13.7536 | PPBV | # | 86 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 898409 | 11.8288 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 237750 | 14.8352 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 513245 | 12.1038 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 207810 | 11.8178 | PPBV | | 93 |
| 44) ETHYL ACETATE | 7.749 | 61 | 159126 | 13.4600 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 877087 | 12.4632 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1144043 | 12.0624 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 806062 | 12.7323 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1140597 | 11.8439 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1232433 | 12.1088 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 750596 | 12.1674 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1524034 | 12.5175 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 601732 | 13.1569 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 318311 | 12.8910 | PPBV | | 92 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 697398 | 10.8652 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 553647 | 10.7133 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 878899 | 13.9880 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1076397 | 13.2038 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1302635 | 11.6218 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2159376 | 11.6794 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 332292 | 11.7197 | PPBV | | 95 |
| 62) | HEPTANE | 11.028 | 43 | 812411 | 12.5804 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 547979 | 13.5383 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 433216 | 12.5909 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 1013809 | 12.9139 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 1007513 | 11.8309 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 906658 | 12.1017 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 913108 | 12.6367 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 595375 | 11.5733 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 614674 | 13.4414 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 929643 | 13.8842 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 847441 | 13.3840 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1236879 | 12.0136 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1042952 | 12.2164 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1171200 | 13.7553 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 785180 | 11.0453 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1362723 | 10.9199 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2284677 | 12.7835 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1642770 | 24.2247 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 782182 | 11.8825 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1268317 | 13.4334 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1183154 | 13.3154 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 1672241 | 15.8749 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1494937 | 11.2983 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1110452 | 11.6232 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2329406 | 11.4361 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1293238 | 11.2414 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 574317 | 11.2537 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 610319 | 11.8192 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2332909 | 12.4097 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1934586 | 12.0414 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 930336 | 10.7275 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 389480 | 11.1035 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2006133 | 11.9012 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1467435 | 11.0560 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1973103 | 10.9055 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1461296 | 11.7924 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 471924 | 11.2763 | PPBV | | 95 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1961083 | 11.4549 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 537464 | 10.9270 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1348451 | 11.1916 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525823 | 11.6214 | PPBV | | 92 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 997211 | 11.8233 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1925601 | 16.9876 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1612506 | 15.0202 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2659668 | 11.2864 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 3050934 | 10.5484 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

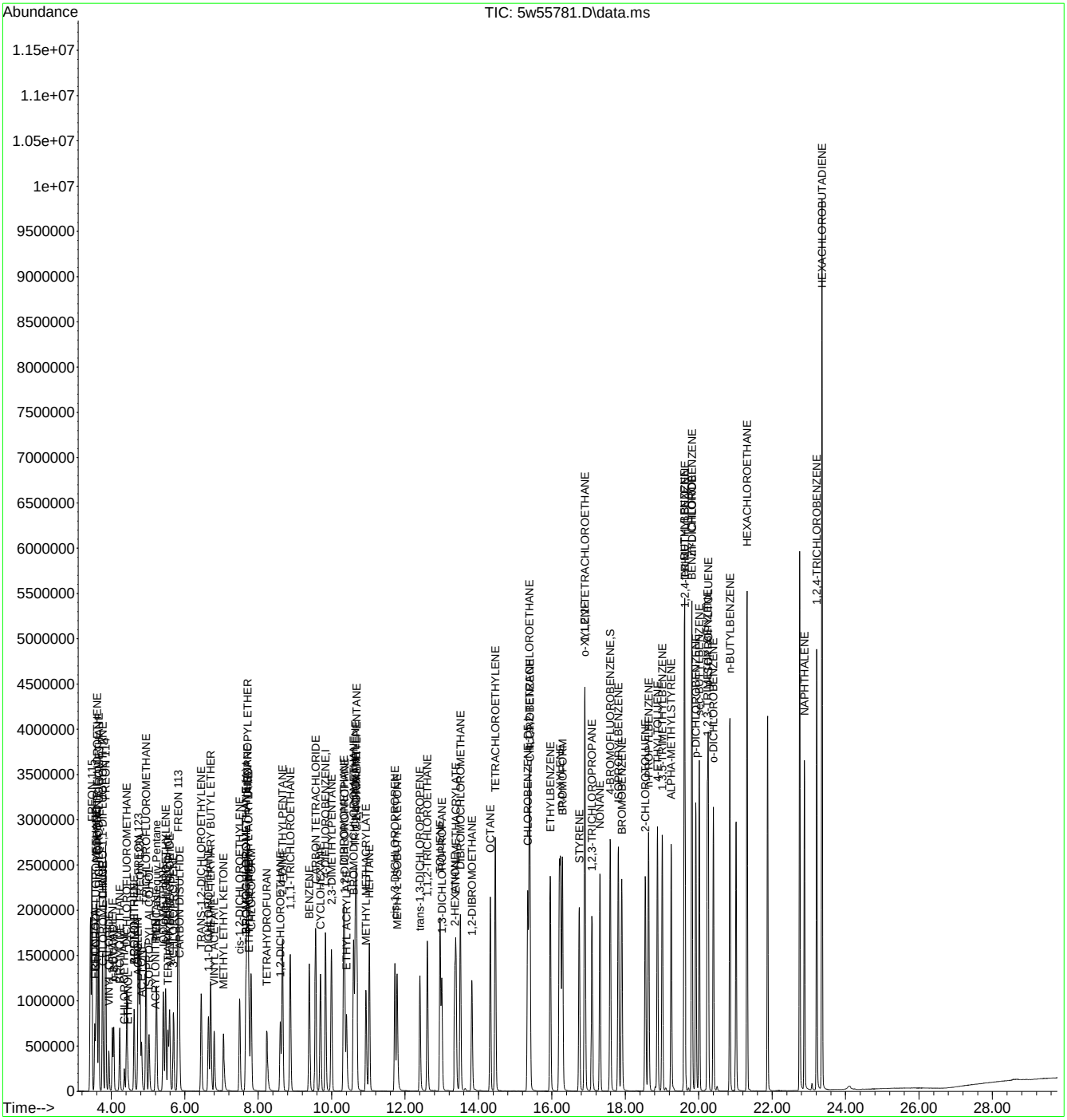
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 261510 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1220164 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 739045 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 261510 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 836030 | 10.11 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 435542 | 12.1670 | PPBV | | 92 |
| 3) FREON 152A | 3.546 | 65 | 206251 | 10.6601 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 115623 | 11.5251 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 448626 | 9.9077 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1068770 | 11.1835 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 255077 | 10.5976 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1110212 | 11.3443 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1395849 | 11.9075 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 121755 | 9.8796 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 474344 | 10.9303 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 314422 | 10.7962 | PPBV | | 90 |
| 13) n-BUTANE | 4.059 | 43 | 614499 | 10.9991 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 473815 | 10.3614 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209045 | 10.5413 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1075661 | 10.9733 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 337949 | 10.4724 | PPBV | | 99 |
| 18) ACROLEIN | 4.708 | 56 | 158913 | 11.2771 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1099754 | 11.1472 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 583898 | 11.1307 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 979961 | 11.0962 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 584169 | 10.4397 | PPBV | | 99 |
| 23) ACETONE | 4.818 | 58 | 174923 | 8.2934 | PPBV | | 93 |
| 24) PENTANE | 5.228 | 42 | 305706 | 10.9976 | PPBV | | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 929996 | 12.6229 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 295468 | 10.7944 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 900076 | 11.3656 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 219548 | 10.7055 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 436004 | 11.1924 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.197 | 52 | 184650 | 8.4277 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 280229 | 10.2167 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 146539 | 11.5863 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 584172 | 12.8365 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 304959 | 10.5430 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 575995 | 10.9427 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 907918 | 12.2460 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 145513 | 12.8213 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 454860 | 11.1011 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 55543 | 11.8596 | PPBV | | 95 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 591602 | 11.0046 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 152312 | 13.4272 | PPBV | | 96 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 329425 | 10.9757 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 142775 | 11.4710 | PPBV | | 95 |
| 44) ETHYL ACETATE | 7.742 | 61 | 102628 | 12.2645 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 584502 | 11.7341 | PPBV | | 99 |
| 46) CHLOROFORM | 7.803 | 83 | 767097 | 11.4267 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 522441 | 11.6588 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 768664 | 11.2766 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 826856 | 11.4774 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 528775 | 12.1099 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 999972 | 11.3069 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 395809 | 11.9143 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 209669 | 11.6896 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 479539 | 10.2852 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 379577 | 10.1116 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 613084 | 13.4328 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.403 | 55 | 713058 | 12.0415 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 902814 | 11.0886 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1456334 | 10.8438 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.660 | 88 | 226125 | 10.9793 | PPBV | # | 75 |
| 62) | HEPTANE | 11.021 | 43 | 559547 | 11.9285 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 370058 | 12.5864 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 295122 | 11.8083 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 683916 | 11.9931 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 684307 | 11.0624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.997 | 76 | 618417 | 11.3636 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622875 | 11.8671 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 407784 | 10.9126 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429260 | 12.3125 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646480 | 12.6645 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 624535 | 12.9377 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 853319 | 10.8713 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 711606 | 10.9331 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 816104 | 12.5722 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 546604 | 10.0857 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 943953 | 9.9217 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1578139 | 11.5824 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1160738 | 22.4513 | PPBV | | 97 |
| 81) | o-XYLENE | 16.894 | 106 | 570900 | 11.3759 | PPBV | | 97 |
| 82) | STYRENE | 16.748 | 104 | 881254 | 12.2430 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 855635 | 12.6307 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1244331 | 15.4944 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1091266 | 10.8180 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 772534 | 10.6065 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1663712 | 10.7137 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.898 | 77 | 908292 | 10.3561 | PPBV | | 87 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 404822 | 10.4048 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 438991 | 11.1510 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.870 | 105 | 1699251 | 11.8562 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1427244 | 11.6524 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 689616 | 10.4302 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 310532 | 11.6120 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1559354 | 12.1339 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1162992 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1518557 | 11.0091 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1130128 | 11.9623 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 371490 | 11.6430 | PPBV | | 99 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1526287 | 11.6939 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432133 | 11.5238 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1057891 | 11.5166 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.846 | 134 | 421124 | 12.2083 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 797963 | 12.4097 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1735482 | 20.0822 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1444730 | 17.6517 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2169419 | 12.0753 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1999126 | 9.7650 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

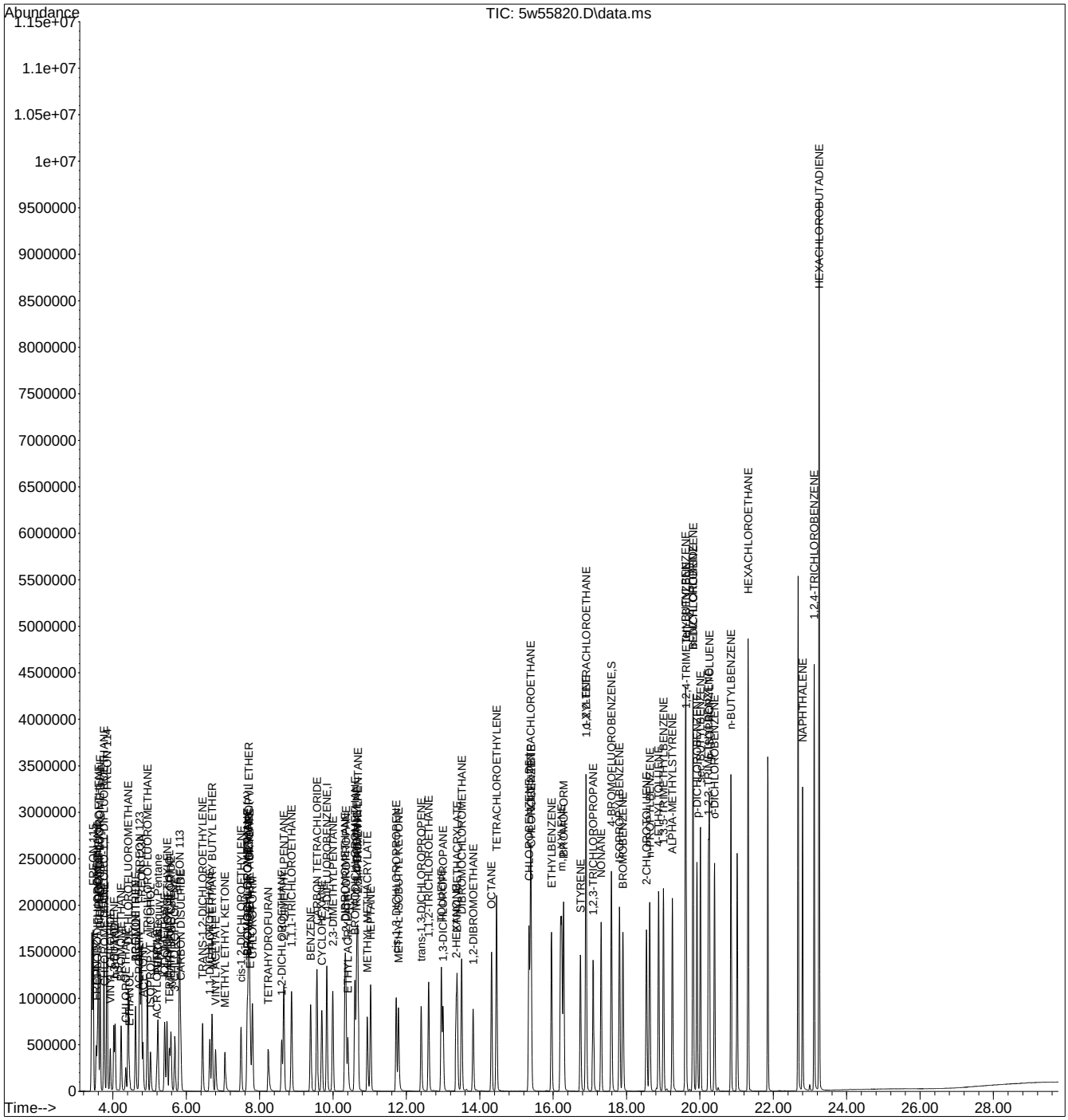
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260595 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1218483 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 736456 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260595 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 821814 | 9.97 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.70% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 449247 | 12.5939 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 217658 | 11.2892 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 120188 | 12.0222 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 469888 | 10.4137 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1112978 | 11.6870 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 264221 | 11.0160 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1147260 | 11.7641 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1434228 | 12.2779 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128640 | 10.4749 | PPBV | # | 85 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 488468 | 11.2953 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 323570 | 11.1494 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 634013 | 11.3883 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 482246 | 10.5828 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 214284 | 10.8434 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1100649 | 11.2676 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 348841 | 10.8478 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 160344 | 11.4186 | PPBV | | 98 |
| 19) FREON 123 | 4.733 | 83 | 1129119 | 11.4850 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 597237 | 11.4250 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1007977 | 11.4535 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 602862 | 10.8116 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 177842 | 8.4614 | PPBV | | 89 |
| 24) PENTANE | 5.228 | 42 | 318079 | 11.4829 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 940571 | 12.8113 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 301140 | 11.0402 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 918708 | 11.6416 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 231068 | 11.3068 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 443163 | 11.4161 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 188676 | 8.6417 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 282870 | 10.3492 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 151425 | 12.0146 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 593594 | 13.0893 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 309546 | 10.7391 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 588972 | 11.2285 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 924243 | 12.5099 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 148865 | 13.1627 | PPBV | | 98 |
| 38) HEXANE | 7.700 | 57 | 464407 | 11.3739 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 57228 | 12.2623 | PPBV | | 98 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 606542 | 11.3221 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153117 | 13.5456 | PPBV | | 91 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 334930 | 11.1983 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 146643 | 11.8231 | PPBV | | 96 |
| 44) ETHYL ACETATE | 7.742 | 61 | 105256 | 12.6227 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 594885 | 11.9845 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 776162 | 11.6023 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 531550 | 11.9037 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 780498 | 11.4904 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 837796 | 11.6701 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 539227 | 12.3926 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003786 | 11.3656 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 399516 | 12.0424 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 210768 | 11.7671 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 486023 | 10.4386 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 386594 | 10.3128 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 618370 | 13.5673 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 724833 | 12.2573 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 912837 | 11.2272 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1481841 | 11.0490 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 230304 | 11.1977 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 571625 | 12.2028 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 373765 | 12.7300 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 300871 | 12.0549 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 694724 | 12.1995 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 695165 | 11.2535 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 626759 | 11.5328 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 629861 | 12.0167 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 408547 | 10.9481 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 433718 | 12.4841 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 649699 | 12.7723 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628041 | 13.0561 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 864792 | 11.0562 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 720274 | 11.1052 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 827456 | 12.7918 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 554894 | 10.2747 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 957513 | 10.0996 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1595928 | 11.7541 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1172853 | 22.7654 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 573106 | 11.4600 | PPBV | | 97 |
| 82) | STYRENE | 16.742 | 104 | 890827 | 12.4195 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 870573 | 12.8964 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1256261 | 15.6980 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1106434 | 11.0070 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 776868 | 10.7035 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1675508 | 10.8276 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 921247 | 10.5407 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 406945 | 10.4962 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 439908 | 11.2136 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.871 | 105 | 1717986 | 12.0291 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1441798 | 11.8126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 698121 | 10.5959 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.605 | 134 | 309708 | 11.6219 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1577032 | 12.3146 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1174475 | 11.6475 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1538320 | 11.1916 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1146194 | 12.1751 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 375367 | 11.8059 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1540403 | 11.8435 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 438132 | 11.7248 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1074336 | 11.7368 | PPBV | | 95 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 428450 | 12.4643 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 806422 | 12.5853 | PPBV | # | 74 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1781369 | 20.6856 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1458721 | 17.8853 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2203206 | 12.3065 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2091566 | 10.2524 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

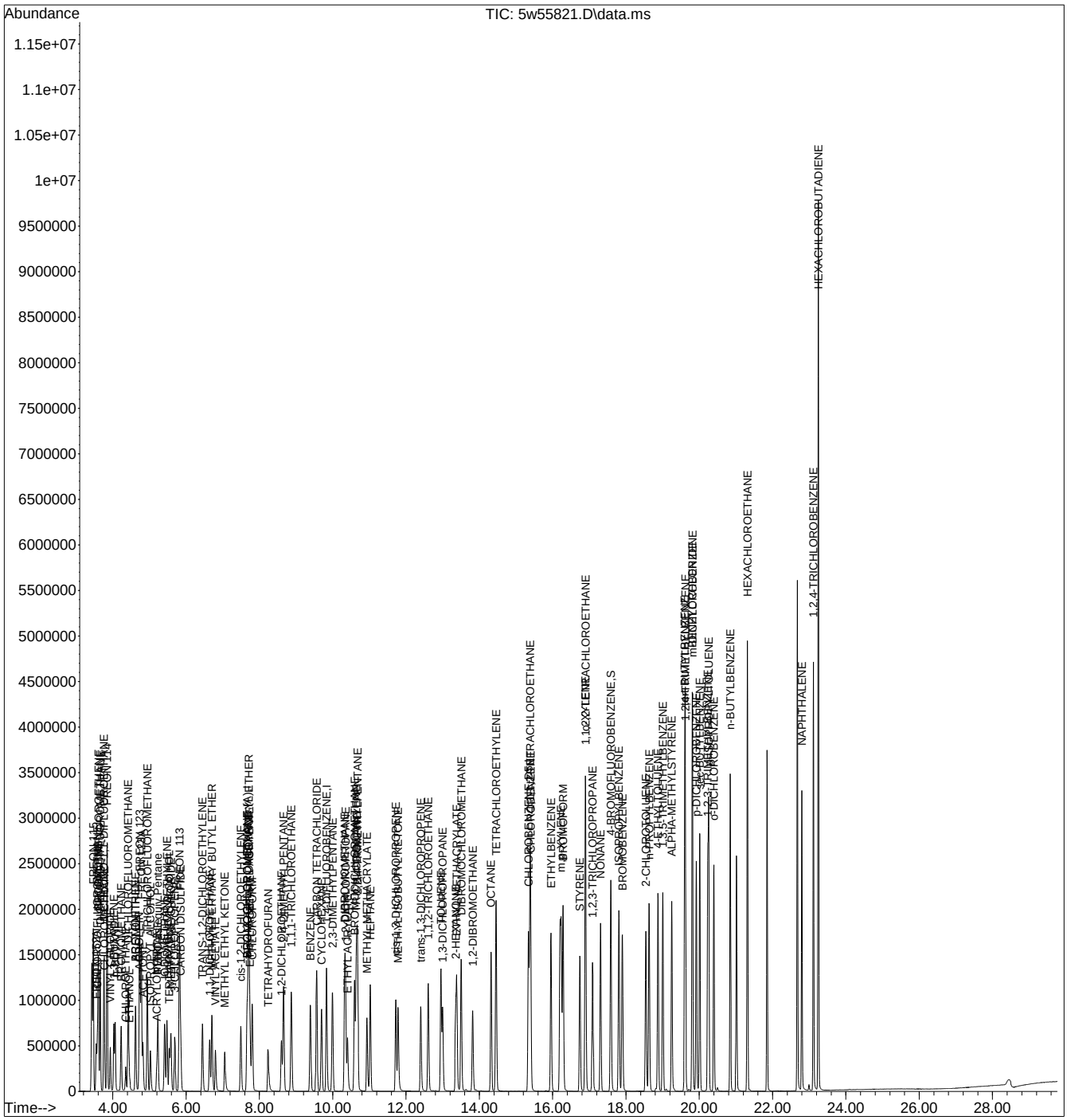
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| | **Internal Standards** | | | | | | | |
| 1) | BROMOCHLOROMETHANE | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| 52) | 1,4-DIFLUOROBENZENE | 4.554 | 114 | 307732 | 10.00 | PPBV | | 0.00 |
| 76) | CHLOROBENZENE-D5 | 10.123 | 117 | 281115 | 10.00 | PPBV | | 0.00 |
| 109) | BROMOCHLOROMETHANE (A) | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| | **System Monitoring Compounds** | | | | | | | |
| 87) | 4-BROMOFLUOROBENZENE | 13.476 | 95 | 190904 | 9.26 | PPBV | | 0.00 |
| | **Target Compounds** | | | | | | | Qvalue |
| 2) | FREON 115 | 1.618 | 119 | 110512 | 14.3793 | PPBV | | 96 |
| 3) | FREON 152A | 1.650 | 65 | 59070 | 14.2378 | PPBV | | 88 |
| 4) | CHLORODIFLUOROMETHANE | 1.663 | 67 | 22970 | 11.4809 | PPBV | | 99 |
| 5) | CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122529 | 12.6008 | PPBV | | 73 |
| 6) | DICHLORODIFLUOROMETHANE | 1.692 | 85 | 255544 | 10.6343 | PPBV | | 96 |
| 7) | PROPYLENE | 1.670 | 41 | 76743 | 13.3660 | PPBV | | 97 |
| 8) | 1-CHLORO-1,1-DIFLUOROE... | 1.731 | 65 | 172937 | 8.5955 | PPBV | | 93 |
| 9) | FREON 114 | 1.766 | 85 | 217219 | 10.6265 | PPBV | | 95 |
| 10) | CHLOROMETHANE | 1.734 | 52 | 27200 | 8.7390 | PPBV | | 94 |
| 11) | VINYL CHLORIDE | 1.798 | 62 | 99503 | 10.3978 | PPBV | | 99 |
| 12) | 1,3-BUTADIENE | 1.837 | 54 | 80190 | 10.3069 | PPBV | | 85 |
| 13) | N-BUTANE | 1.853 | 43 | 127768 | 8.9925 | PPBV | | 96 |
| 14) | BROMOMETHANE | 1.914 | 94 | 78281 | 10.2297 | PPBV | | 99 |
| 15) | CHLOROETHANE | 1.962 | 64 | 51878 | 10.5850 | PPBV | | 91 |
| 16) | DICHLOROFLUOROMETHANE | 1.988 | 67 | 189308 | 10.1065 | PPBV | | 97 |
| 17) | ACETONITRILE | 2.059 | 41 | 77908 | 8.3740 | PPBV | | 98 |
| 18) | ACROLEIN | 2.097 | 56 | 44203 | 9.4636 | PPBV | | 96 |
| 19) | FREON 123 | 2.113 | 83 | 201252 | 10.5734 | PPBV | | 98 |
| 20) | FREON 123A | 2.129 | 117 | 125238 | 11.4705 | PPBV | | 91 |
| 21) | TRICHLOROFLUOROMETHANE | 2.194 | 101 | 215086 | 9.9812 | PPBV | | 98 |
| 22) | ISOPROPYL ALCOHOL | 2.219 | 45 | 177899 | 8.7647 | PPBV | | 96 |
| 23) | ACETONE | 2.139 | 58 | 53254 | 9.6274 | PPBV | | 66 |
| 24) | PENTANE | 2.313 | 42 | 90696 | 8.7967 | PPBV | | 92 |
| 25) | IODOMETHANE | 2.374 | 142 | 225162 | 12.1131 | PPBV | | 89 |
| 26) | 1,1-DICHLOROETHYLENE | 2.400 | 96 | 86229 | 10.7533 | PPBV | | 85 |
| 27) | CARBON DISULFIDE | 2.535 | 76 | 224756m | 9.6177 | PPBV | | |
| 28) | ETHANOL | 1.998 | 45 | 49449 | 8.9163 | PPBV | | 98 |
| 29) | BROMOETHENE | 2.065 | 106 | 83471 | 11.4058 | PPBV | # | 97 |
| 30) | ACRYLONITRILE | 2.281 | 52 | 69775 | 9.2744 | PPBV | | 96 |
| 31) | METHYLENE CHLORIDE | 2.438 | 84 | 75329 | 9.1274 | PPBV | | 80 |
| 32) | 3-CHLOROPROPENE | 2.480 | 76 | 39694 | 9.3992 | PPBV | # | 62 |
| 33) | FREON 113 | 2.535 | 151 | 140140 | 11.1049 | PPBV | | 89 |
| 34) | TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 91287 | 11.6726 | PPBV | | 99 |
| 35) | TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 176592 | 9.0639 | PPBV | | 92 |
| 36) | METHYL TERTIARY BUTYL ... | 2.872 | 73 | 239170 | 12.1723 | PPBV | | 98 |
| 37) | TETRAHYDROFURAN | 3.563 | 72 | 45330 | 12.1074 | PPBV | | 96 |
| 38) | HEXANE | 3.329 | 57 | 186212 | 11.3851 | PPBV | | 88 |
| 39) | VINYL ACETATE | 2.908 | 86 | 21657 | 12.1078 | PPBV | | 77 |
| 40) | 1,1-DICHLOROETHANE | 2.837 | 63 | 181698 | 12.4681 | PPBV | | 99 |
| 41) | METHYL ETHYL KETONE | 3.004 | 72 | 48800 | 12.2439 | PPBV | | 89 |
| 42) | CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 94849 | 11.4360 | PPBV | | 100 |
| 43) | DIISOPROPYL ETHER | 3.335 | 59 | 52672 | 12.3764 | PPBV | | 84 |
| 44) | ETHYL ACETATE | 3.338 | 61 | 36929 | 11.8146 | PPBV | | 78 |
| 45) | METHYL ACRYLATE | 3.322 | 55 | 215839 | 12.0480 | PPBV | # | 26 |
| 46) | CHLOROFORM | 3.348 | 83 | 181569 | 10.8246 | PPBV | | 95 |
| 47) | 2,4-DIMETHYLPENTANE | 3.843 | 57 | 215745 | 12.3313 | PPBV | | 98 |
| 48) | 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178620 | 11.6980 | PPBV | | 96 |
| 49) | CARBON TETRACHLORIDE | 4.342 | 117 | 186476 | 12.4415 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 135176 | 10.6258 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 285064 | 11.5478 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 123825 | 11.3925 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66437 | 11.9361 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 124837 | 10.5919 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.898 | 63 | 126622 | 12.0766 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110137 | 11.1361 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.017 | 55 | 267872 | 11.9010 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 198539 | 10.9770 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.223 | 57 | 587587 | 11.7962 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 68433 | 10.6089 | PPBV | # | 93 |
| 62) | HEPTANE | 5.541 | 43 | 196653 | 11.2460 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 110695 | 11.7588 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116018 | 10.7777 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167663 | 12.4777 | PPBV | | 86 |
| 66) | TOLUENE | 7.268 | 91 | 346089 | 10.5702 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 172835 | 10.7442 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139504 | 12.6564 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.895 | 83 | 101053 | 11.2887 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.853 | 58 | 162743 | 9.9058 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 180957 | 11.6239 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 134599 | 11.5053 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200804 | 11.7098 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 183640 | 11.6450 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 271332 | 10.3153 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.210 | 131 | 143846 | 11.9311 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 278592 | 10.2378 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 457220 | 10.2501 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 703381 | 19.9630 | PPBV | | 100 |
| 81) | O-XYLENE | 12.441 | 91 | 355250 | 10.0425 | PPBV | | 99 |
| 82) | STYRENE | 12.229 | 104 | 278357 | 10.8757 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 279616 | 9.9947 | PPBV | | 93 |
| 84) | BROMOFORM | 11.322 | 173 | 187082 | 12.2296 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 261976 | 10.5142 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 201971 | 10.0376 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 136930 | 10.2194 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 246840 | 9.7379 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 122323 | 9.9584 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 142602 | 10.3358 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 514233 | 10.5272 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 421583 | 10.2573 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 216053 | 9.8929 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102644 | 10.4400 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 435406 | 10.1374 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 258850 | 20.7104 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 294616 | 10.2783 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 299214 | 10.5247 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 280983 | 10.2361 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.872 | 134 | 129277 | 10.4474 | PPBV | | 92 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.991 | 105 | 420338 | 9.6664 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 140956 | 10.2084 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 141251 | 10.3059 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159980 | 12.0274 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.646 | 225 | 225111 | 10.9149 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.338 | 180 | 276617 | 10.0666 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 639531 | 8.9082 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 439346 | 8.4468 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

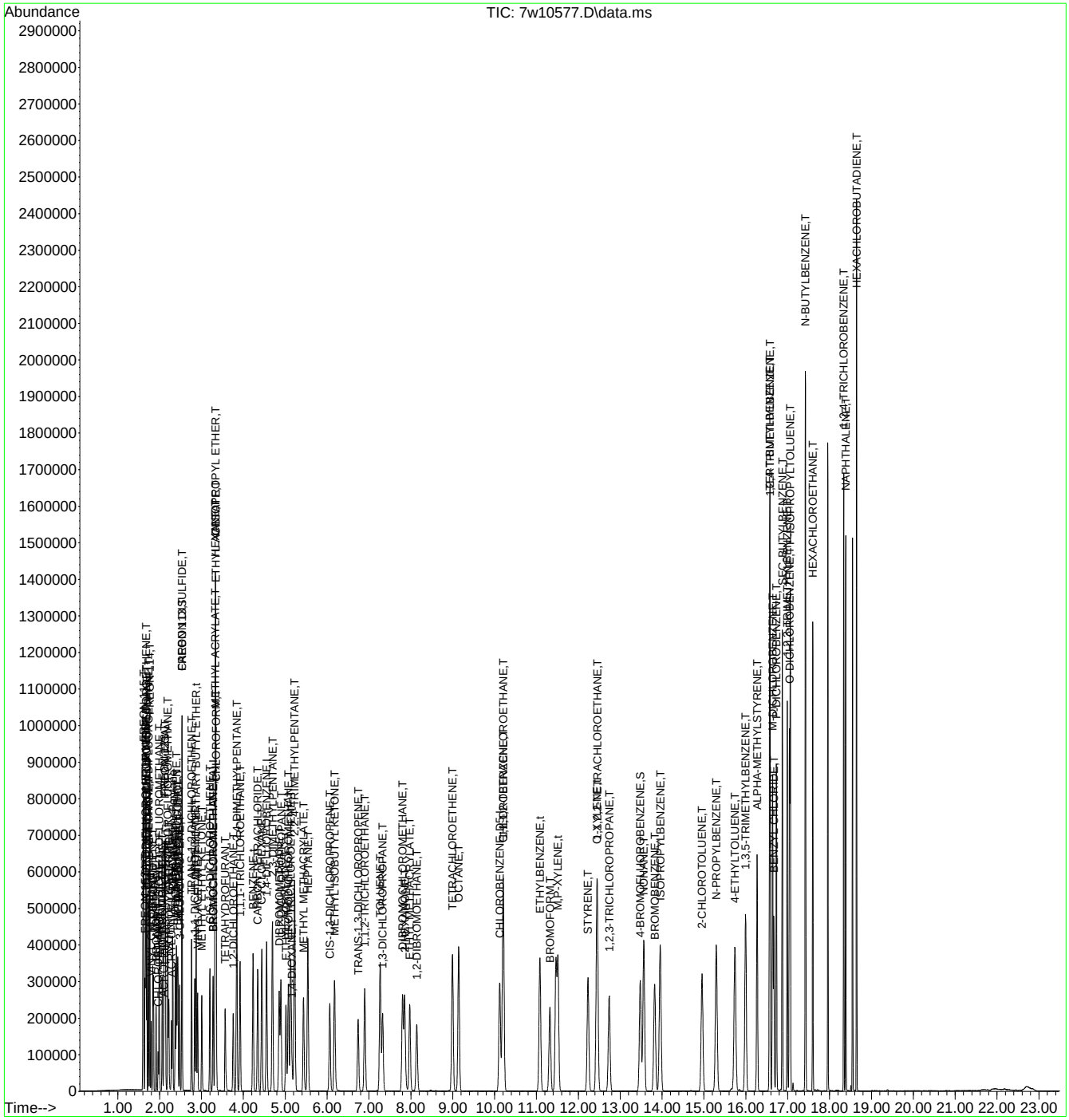
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



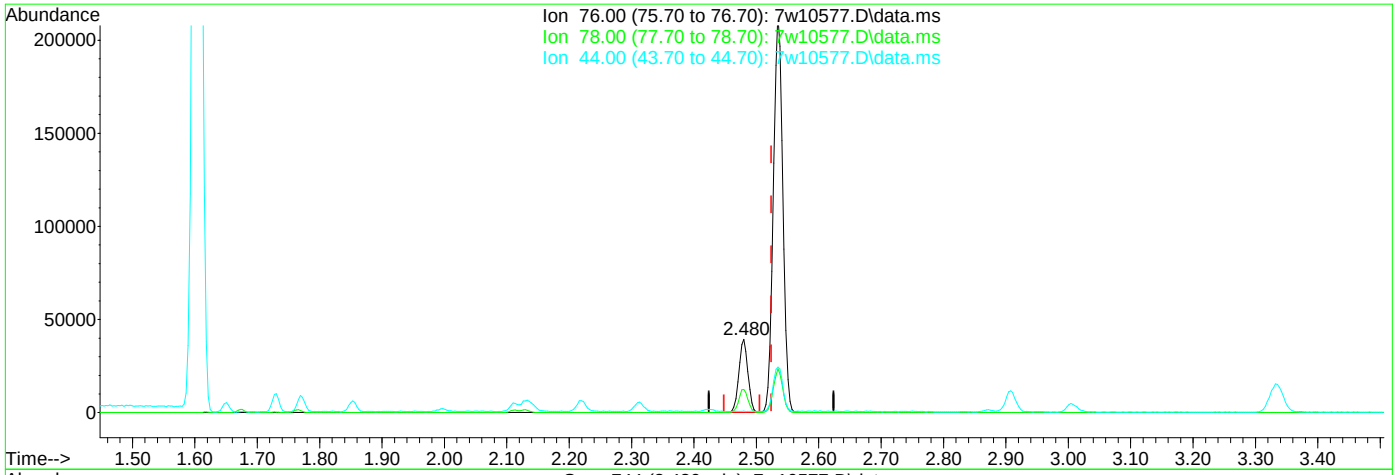
**Sample Number:** V7W387-BS
**Lab FileID:** 7W10577.D
**Injection Time:** 11/18/24 10:11
**Method:** TO-15
**Analyst approved:** 11/19/24 00:49 Lucky Carandang
**Supervisor approved:** 11/19/24 11:36 Kanya Veerawat

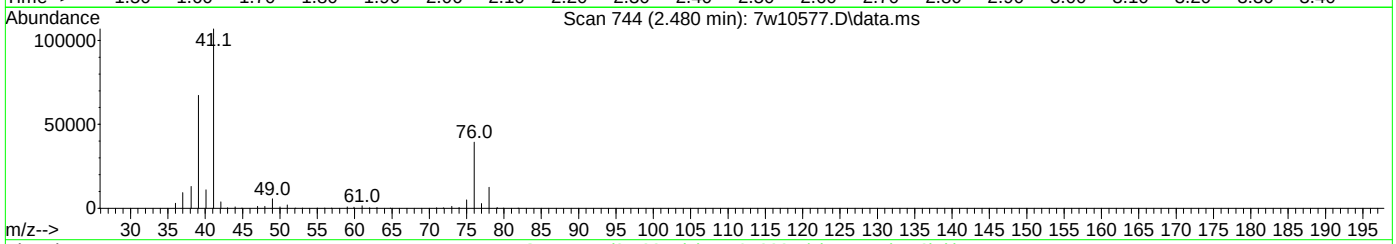
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

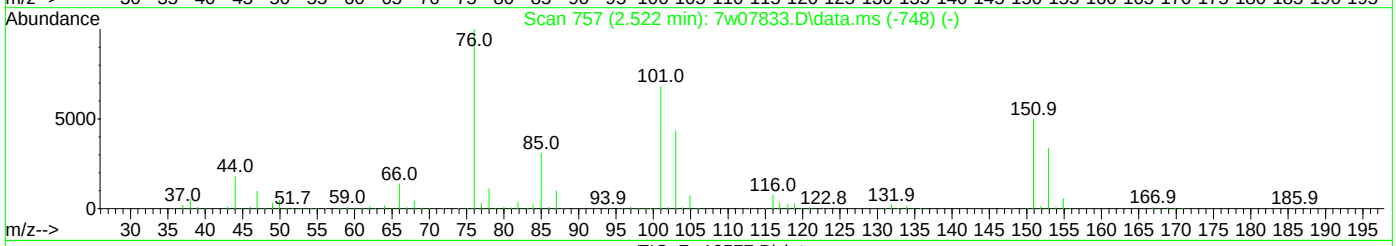
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

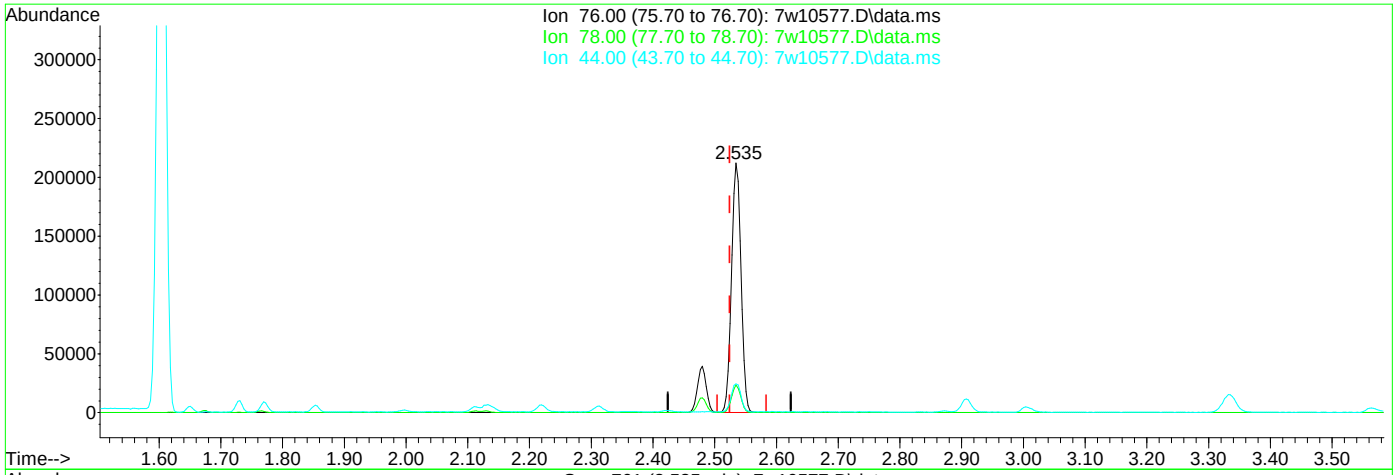
response 39710

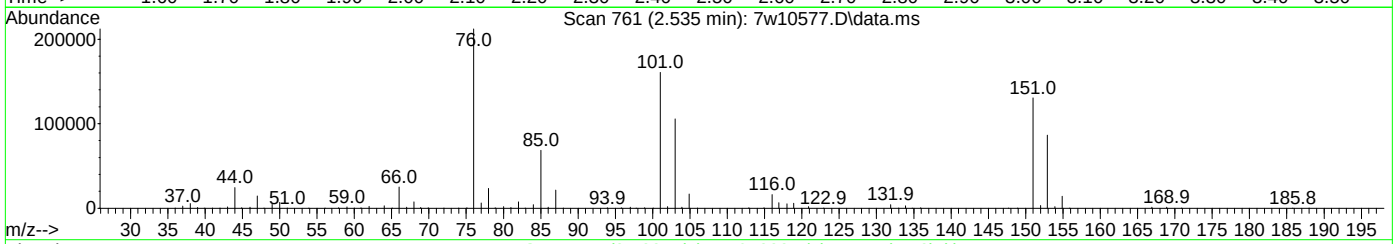
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.64# |
| 44.00 | 19.10 | 0.64# |
| 0.00 | 0.00 | 0.00 |

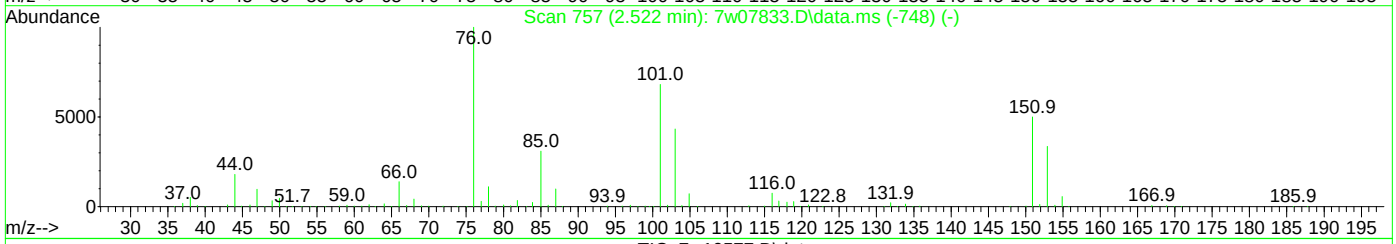
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.77# |
| 44.00 | 19.10 | 0.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 304227 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 275746 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 190632 | 9.42 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 112227 | 14.7201 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 57446 | 13.9579 | PPBV | | 84 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21726 | 10.9466 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126112 | 13.0738 | PPBV | | 69 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 252623 | 10.5975 | PPBV | | 94 |
| 7) PROPYLENE | 1.672 | 41 | 67225 | 11.8027 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 168232 | 8.4290 | PPBV | | 92 |
| 9) FREON 114 | 1.766 | 85 | 219573 | 10.8282 | PPBV | | 94 |
| 10) CHLOROMETHANE | 1.737 | 52 | 24803 | 8.0331 | PPBV | | 91 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95931 | 10.1053 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 74674 | 9.6753 | PPBV | | 84 |
| 13) N-BUTANE | 1.852 | 43 | 121165 | 8.5965 | PPBV | | 95 |
| 14) BROMOMETHANE | 1.914 | 94 | 78468 | 10.3368 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 52103 | 10.7165 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 185911 | 10.0051 | PPBV | | 97 |
| 17) ACETONITRILE | 2.061 | 41 | 76003 | 8.2350 | PPBV | | 99 |
| 18) ACROLEIN | 2.100 | 56 | 44428 | 9.5884 | PPBV | | 98 |
| 19) FREON 123 | 2.113 | 83 | 200054 | 10.5952 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 123450 | 11.3978 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 210804 | 9.8613 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 172563 | 8.5703 | PPBV | | 96 |
| 23) ACETONE | 2.139 | 58 | 53727 | 9.7912 | PPBV | | 64 |
| 24) PENTANE | 2.312 | 42 | 92167 | 9.0114 | PPBV | | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 223797 | 12.1367 | PPBV | | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 84135 | 10.5767 | PPBV | | 87 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 221254 | 9.5441 | PPBV | # | 90 |
| 28) ETHANOL | 1.997 | 45 | 46856 | 8.5168 | PPBV | | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 82455 | 11.3578 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 69892 | 9.3648 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 74697 | 9.1237 | PPBV | | 80 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 40349 | 9.6313 | PPBV | # | 59 |
| 33) FREON 113 | 2.534 | 151 | 136726 | 10.9217 | PPBV | | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 90883 | 11.7146 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 175438 | 9.0773 | PPBV | | 91 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 240324 | 12.3296 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45290 | 12.1941 | PPBV | | 94 |
| 38) HEXANE | 3.328 | 57 | 184582 | 11.3764 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.907 | 86 | 21094 | 11.8881 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 180973 | 12.5184 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 47682 | 12.0598 | PPBV | | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95006 | 11.5473 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52095 | 12.3395 | PPBV | | 83 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36641 | 11.8170 | PPBV | | 76 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 213749 | 12.0275 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 181081 | 10.8825 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 214369 | 12.3513 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179286 | 11.8362 | PPBV | | 95 |
| 49) CARBON TETRACHLORIDE | 4.344 | 117 | 185073 | 12.4473 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.759 | 62 | 133903 | 10.6105 | PPBV | | 99 |
| 51) BENZENE | 4.232 | 78 | 285053 | 11.6404 | PPBV | | 96 |
| 53) CYCLOHEXANE | 4.441 | 84 | 123486 | 11.4922 | PPBV | | 93 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66451 | 12.0762 | PPBV | | 96 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 124532 | 10.6877 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 4.897 | 63 | 124852 | 12.0450 | PPBV | | 95 |
| 57) DIBROMOMETHANE | 4.856 | 174 | 110196 | 11.2704 | PPBV | | 91 |
| 58) ETHYL ACRYLATE | 5.016 | 55 | 264942 | 11.9064 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.074 | 83 | 197810 | 11.0627 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 581722 | 11.8130 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 67881 | 10.6446 | PPBV | # | 95 |
| 62) HEPTANE | 5.540 | 43 | 194597 | 11.2566 | PPBV | | 97 |
| 63) METHYL METHACRYLATE | 5.438 | 69 | 110949 | 11.9216 | PPBV | | 92 |
| 64) METHYL ISOBUTYL KETONE | 6.174 | 58 | 114615 | 10.7700 | PPBV | | 88 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167753 | 12.6282 | PPBV | | 86 |
| 66) TOLUENE | 7.267 | 91 | 347675 | 10.7410 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.328 | 76 | 171884 | 10.8082 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139337 | 12.7869 | PPBV | | 85 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 100397 | 11.3447 | PPBV | | 99 |
| 70) 2-HEXANONE | 7.849 | 58 | 162687 | 10.0165 | PPBV | | 86 |
| 71) ETHYL METHACRYLATE | 7.974 | 69 | 179934 | 11.6913 | PPBV | | 93 |
| 72) TETRACHLOROETHENE | 8.997 | 164 | 135676 | 11.7309 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.801 | 129 | 199913 | 11.7921 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.145 | 107 | 182986 | 11.7372 | PPBV | | 100 |
| 75) OCTANE | 9.142 | 43 | 268341 | 10.3191 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144815 | 12.2454 | PPBV | | 92 |
| 78) CHLOROBENZENE | 10.199 | 112 | 279014 | 10.4529 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.084 | 91 | 458943 | 10.4891 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.514 | 91 | 712410 | 20.6129 | PPBV | | 98 |
| 81) O-XYLENE | 12.444 | 91 | 357163 | 10.2932 | PPBV | | 98 |
| 82) STYRENE | 12.228 | 104 | 284416 | 11.3288 | PPBV | | 96 |
| 83) NONANE | 13.563 | 43 | 247974 | 9.0363 | PPBV | | 86 |
| 84) BROMOFORM | 11.322 | 173 | 196785 | 13.1143 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 261640 | 10.7052 | PPBV | | 98 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 198044 | 10.0341 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 142718 | 10.8588 | PPBV | | 90 |
| 89) BROMOBENZENE | 13.820 | 77 | 245227 | 9.8626 | PPBV | | 90 |
| 90) 2-CHLOROTOLUENE | 14.958 | 126 | 126461 | 10.4957 | PPBV | | 98 |
| 91) N-PROPYLBENZENE | 15.289 | 120 | 149258 | 11.0289 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 524683 | 10.9503 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 428738 | 10.6345 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 227883 | 10.6378 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 107149 | 11.1104 | PPBV | | 92 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 444260 | 10.5449 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 257782 | 21.0265 | PPBV | | 96 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 311779 | 11.0889 | PPBV | | 96 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 312888 | 11.2200 | PPBV | | 96 |
| 100) O-DICHLOROBENZENE | 17.042 | 146 | 299868 | 11.1368 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 133359 | 10.9871 | PPBV | | 89 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 431281 | 10.1111 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 147019 | 10.8548 | PPBV | | 91 |
| 104) N-BUTYLBENZENE | 17.421 | 134 | 143845 | 10.6995 | PPBV | | 84 |
| 105) HEXACHLOROETHANE | 17.598 | 117 | 161090 | 12.3466 | PPBV | | 94 |
| 106) HEXACHLOROBUTADIENE | 18.649 | 225 | 225577 | 11.1504 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 279684 | 10.3764 | PPBV | | 100 |
| 108) NAPHTHALENE | 18.386 | 128 | 646041 | 9.1741 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 447566 | 8.6742 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

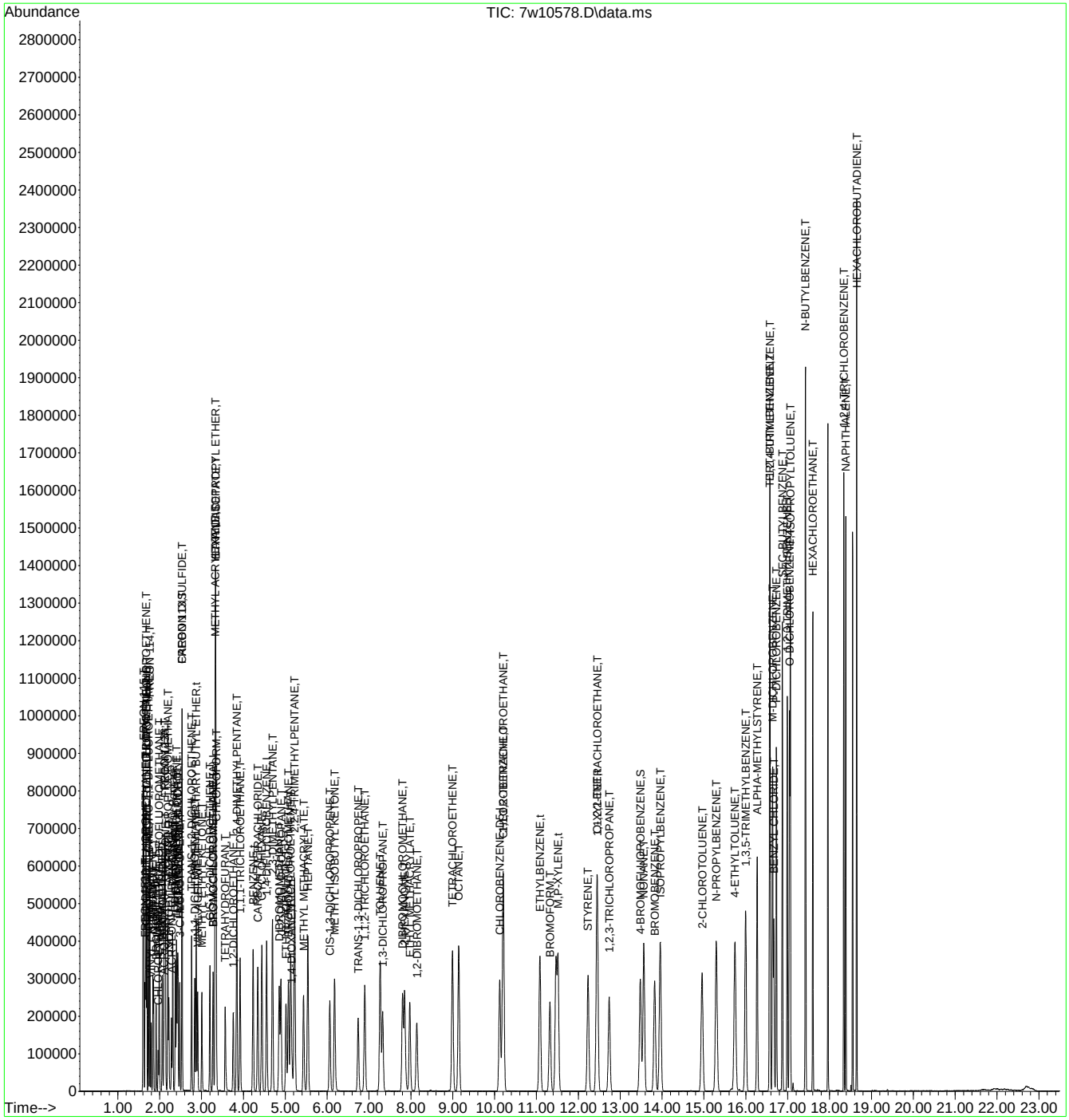
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

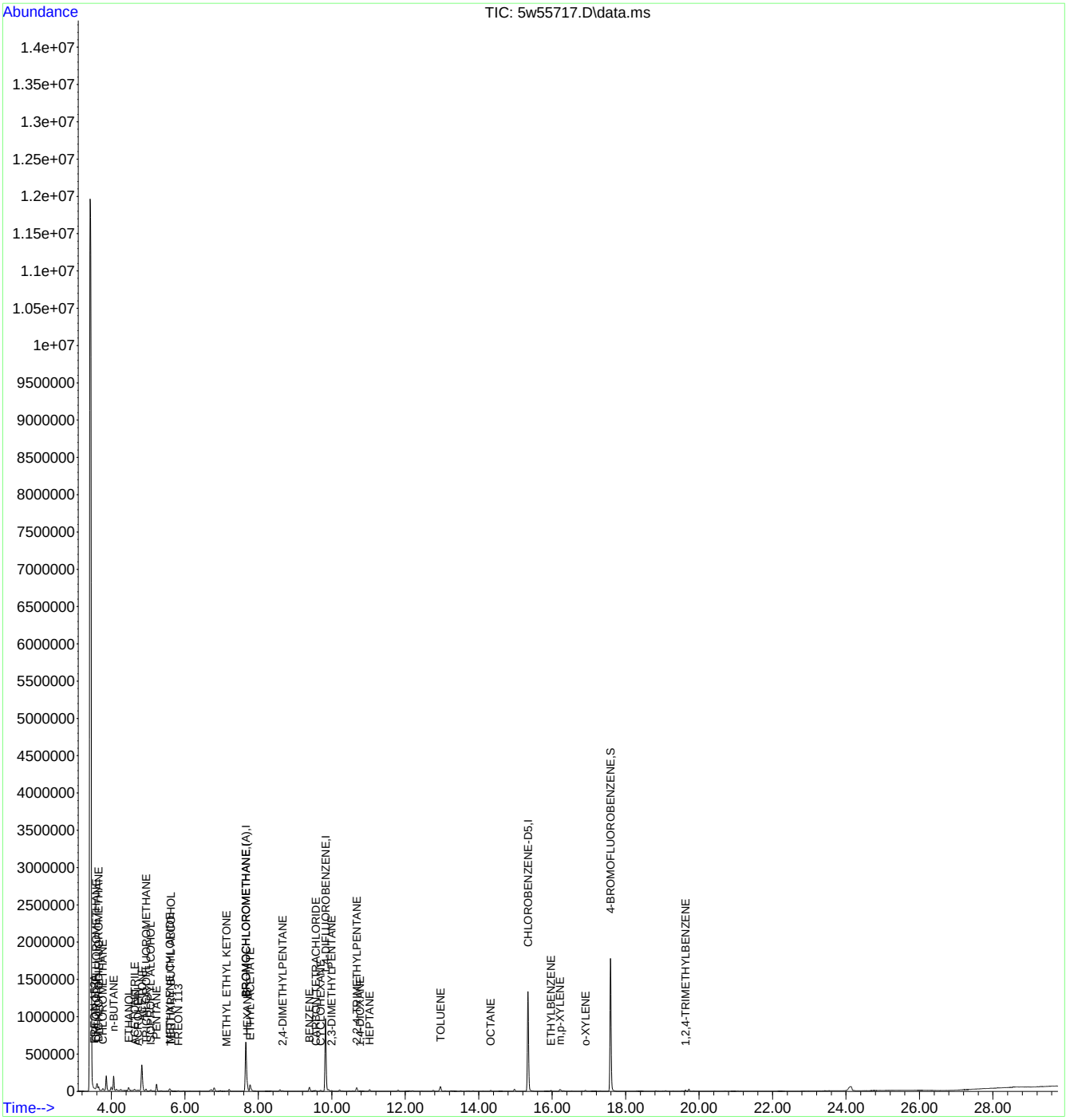
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 796945 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 502343 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 595808 | 10.60 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 3081 | 0.27 | PPBV # | 12 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2376 | 0.40 | PPBV | 81 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 41107 | 0.72 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.766 | 52 | 7350 | 0.99 | PPBV | 86 |
| 13) n-BUTANE | 4.060 | 43 | 164897 | 4.92 | PPBV | 96 |
| 17) ACETONITRILE | 4.629 | 41 | 23651 | 1.22 | PPBV | 94 |
| 18) ACROLEIN | 4.720 | 56 | 6082 | 0.72 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 21099 | 0.40 | PPBV | 95 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 20961 | 0.62 | PPBV | 87 |
| 23) ACETONE | 4.837 | 58 | 90583 | 7.16 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 42490 | 2.55 | PPBV | 97 |
| 28) ETHANOL | 4.470 | 45 | 51672 | 4.20 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13242 | 0.81 | PPBV | 84 |
| 33) FREON 113 | 5.815 | 151 | 2590 | 0.09 | PPBV | 88 |
| 35) TERTIARY BUTYL ALCOHOL | 5.626 | 59 | 3127 | 0.10 | PPBV # | 1 |
| 38) HEXANE | 7.700 | 57 | 29755 | 1.21 | PPBV | 88 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 1558m | 0.23 | PPBV | |
| 44) ETHYL ACETATE | 7.773 | 61 | 16258 | 3.24 | PPBV # | 72 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 2940 | 0.11 | PPBV | 78 |
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 3996 | 0.09 | PPBV | 92 |
| 52) BENZENE | 9.394 | 78 | 55338 | 0.96 | PPBV | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 4104 | 0.19 | PPBV # | 70 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 1495 | 0.13 | PPBV # | 63 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 40594 | 0.46 | PPBV | 82 |
| 61) 1,4-DIOXANE | 10.765 | 88 | 2063 | 0.15 | PPBV # | 1 |
| 62) HEPTANE | 11.028 | 43 | 10550 | 0.34 | PPBV | 87 |
| 66) TOLUENE | 12.961 | 92 | 30255 | 0.75 | PPBV | 95 |
| 76) OCTANE | 14.325 | 43 | 6737 | 0.15 | PPBV | 72 |
| 79) ETHYLBENZENE | 15.965 | 91 | 11469 | 0.12 | PPBV | 94 |
| 80) m,p-XYLENE | 16.215 | 106 | 11351 | 0.32 | PPBV | 94 |
| 81) o-XYLENE | 16.901 | 106 | 4250 | 0.12 | PPBV # | 78 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 8380 | 0.10 | PPBV # | 37 |

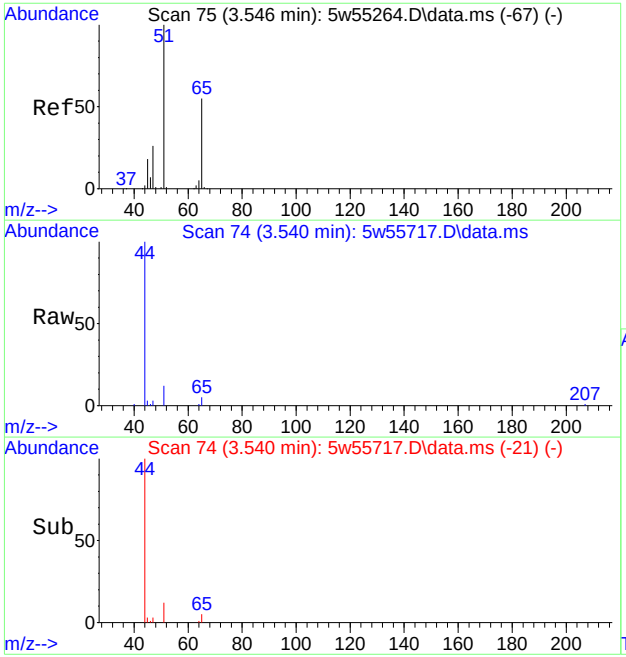
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

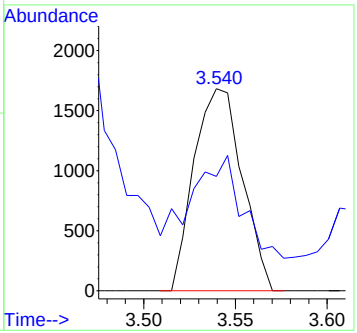


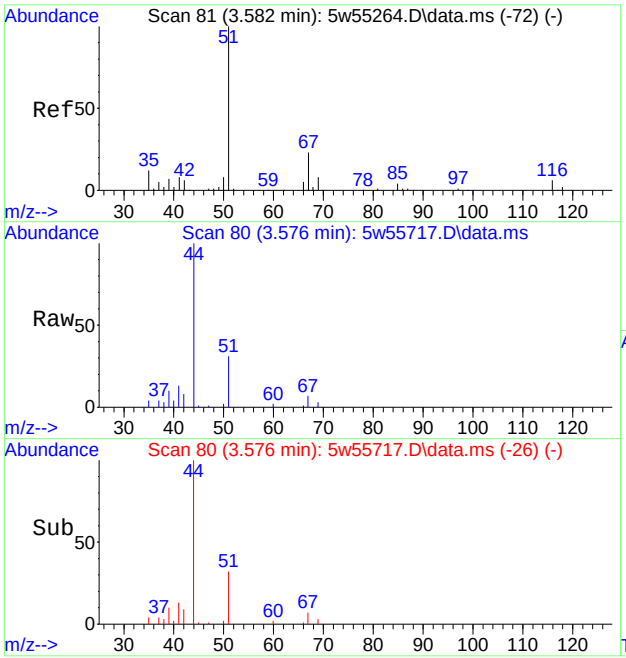



#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 80.6 | 1.8 | 61.8# |

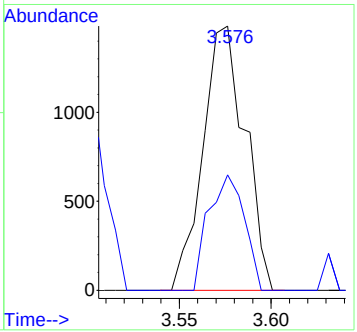


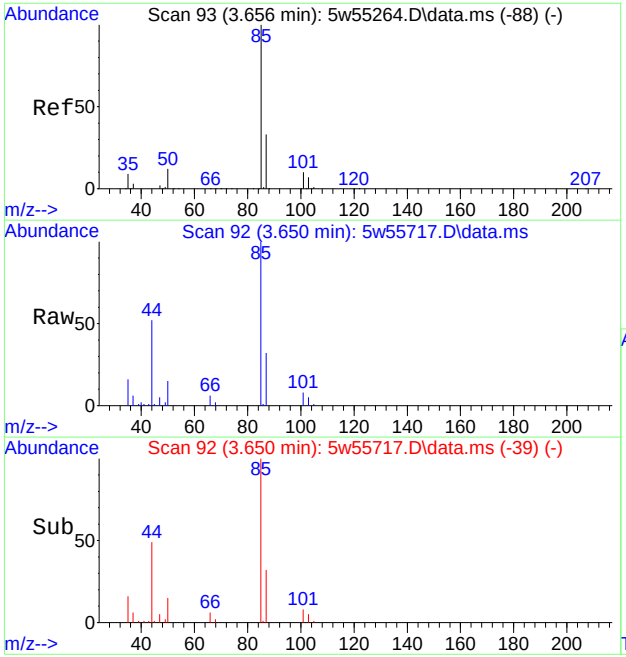




#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 43.7 | 2.9 | 62.9 |

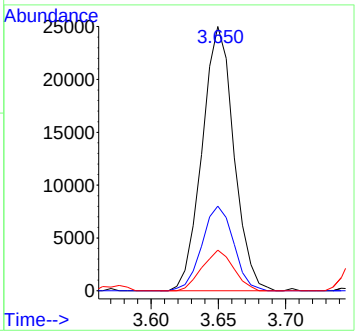


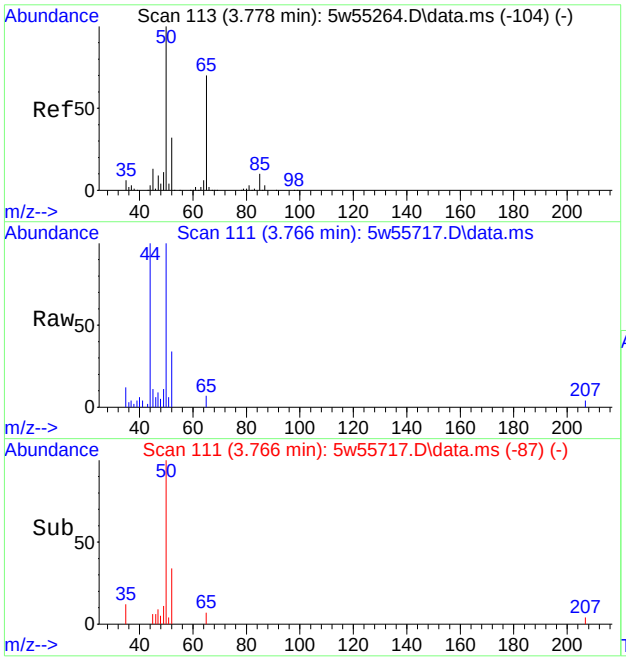



#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 2.6 | 62.6 |
| 50 | 15.2 | 0.0 | 43.0 |

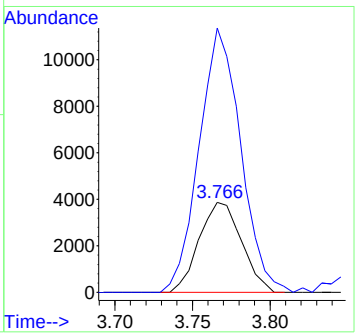


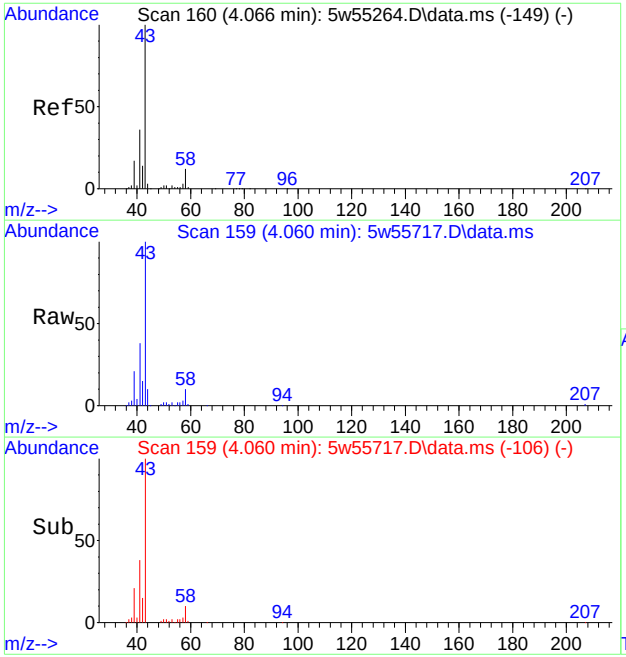




#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 290.3 | 287.9 | 347.9 |

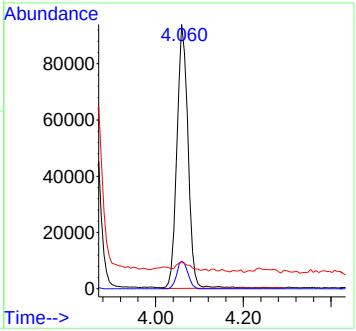


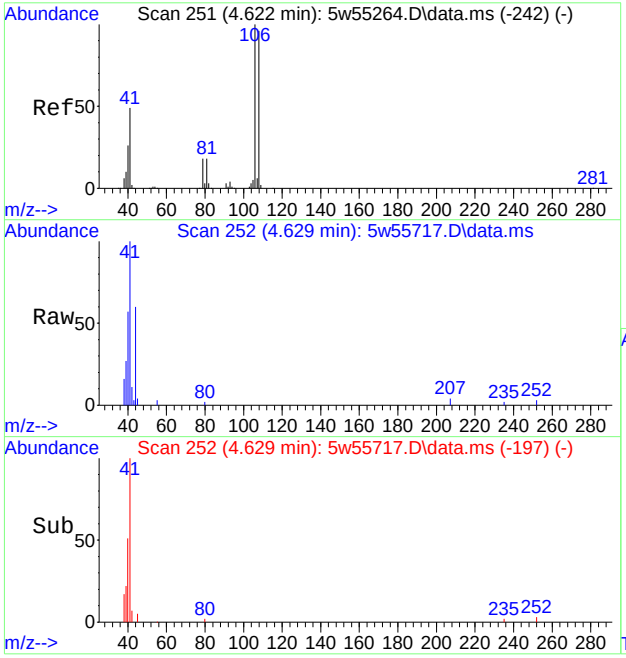



#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 6.2 | 0.0 | 34.7 |

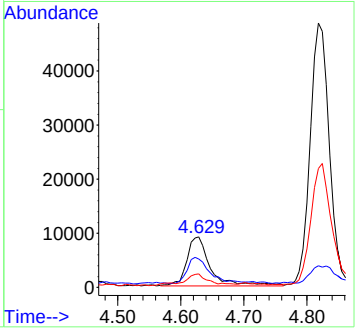


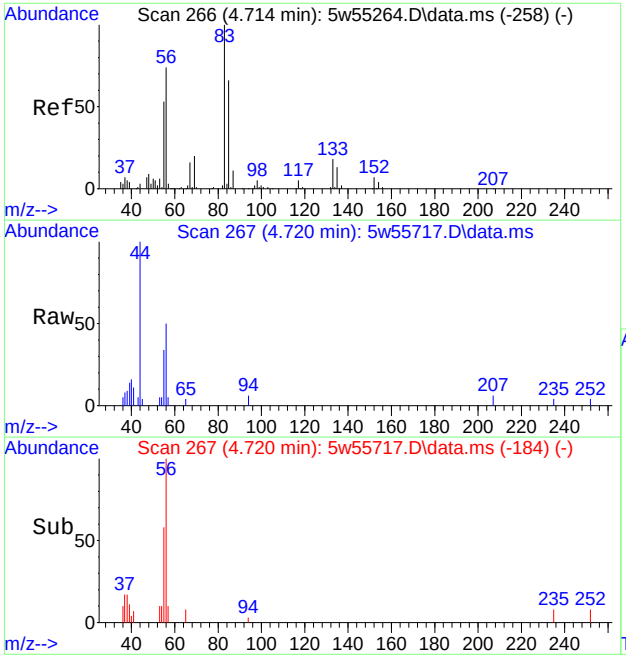




#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 57.5 | 38.4 | 71.4 |
| 39 | 25.2 | 13.7 | 25.5 |

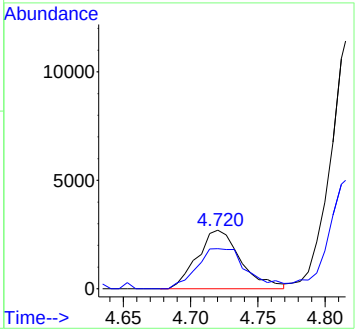


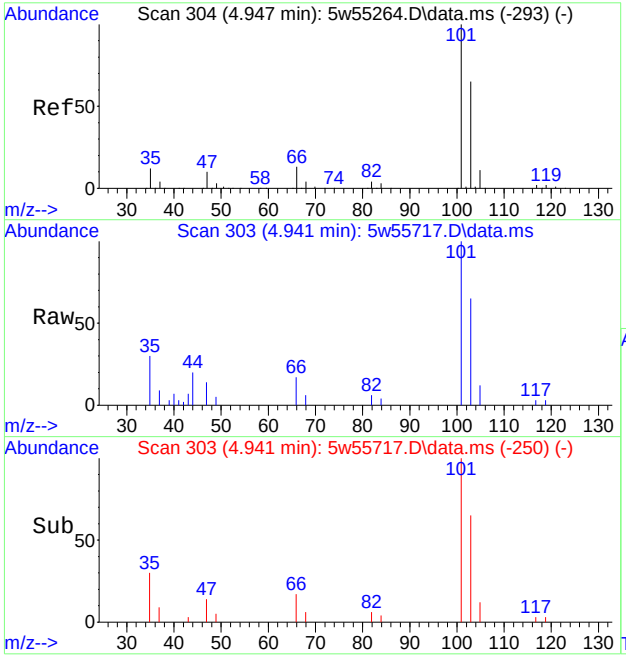



#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.5 | 49.8 | 92.6 |

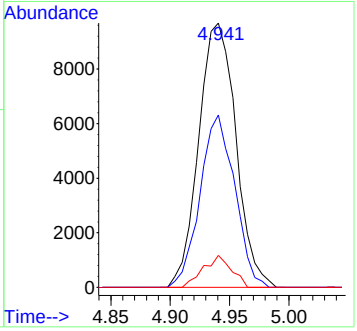


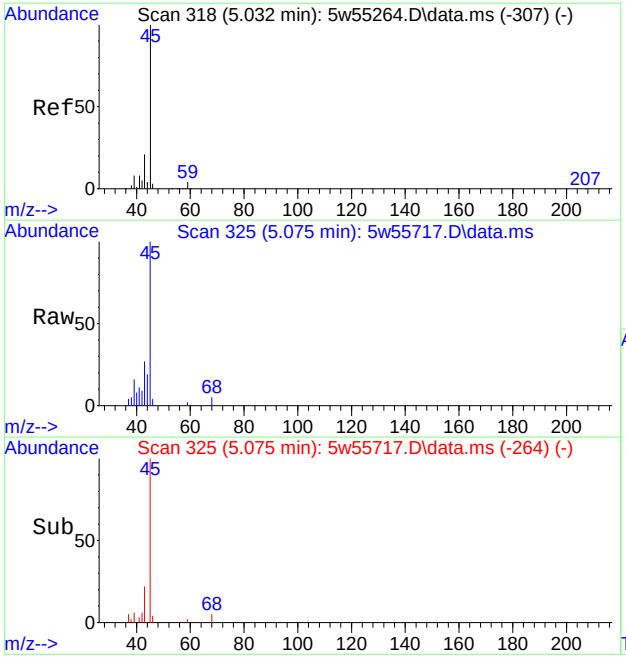




#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 60.7 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

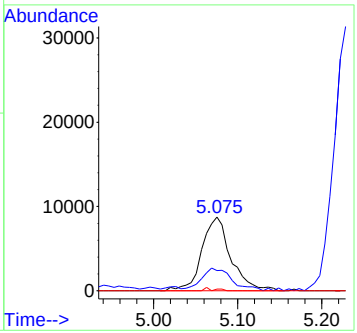


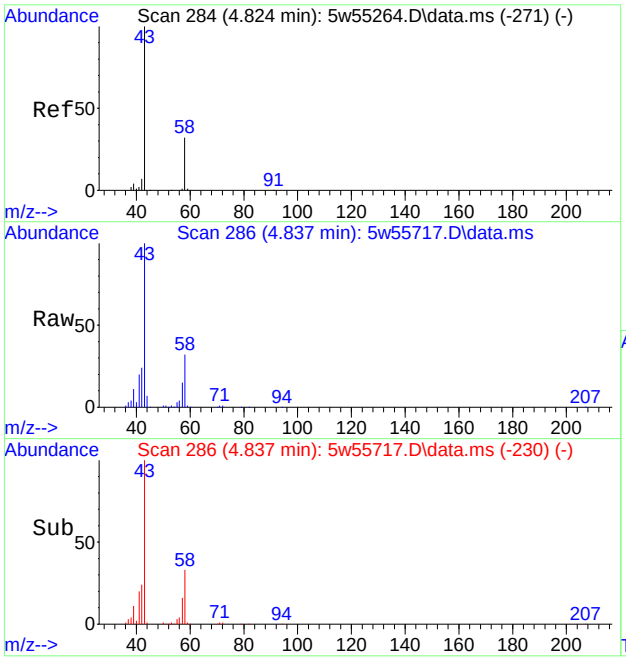



#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.4 | 0.0 | 50.8 |
| 59 | 2.3 | 0.0 | 33.8 |

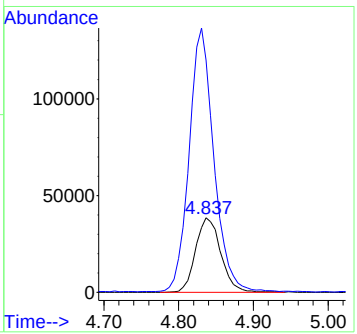


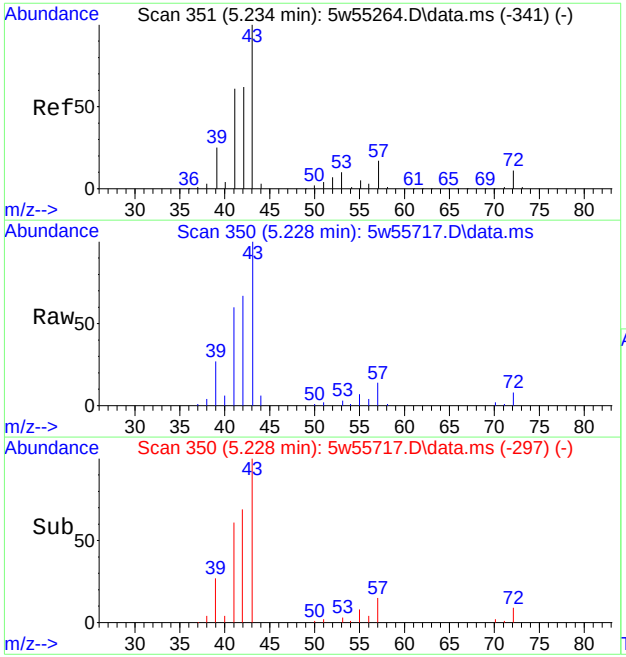




#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 346.9 | 312.3 | 372.3 |

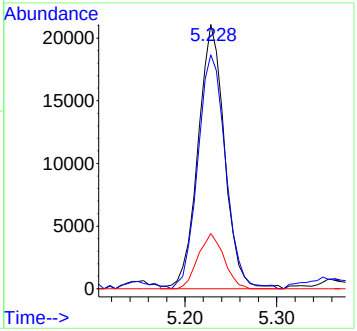


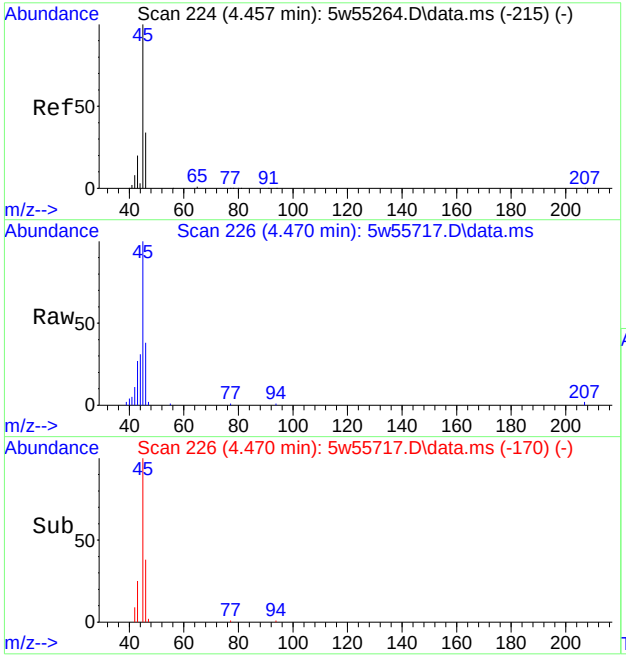



#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 92.6 | 64.4 | 124.4 |
| 57 | 20.3 | 0.0 | 55.0 |

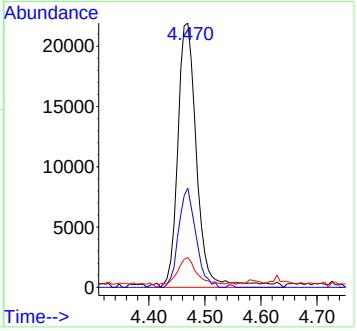


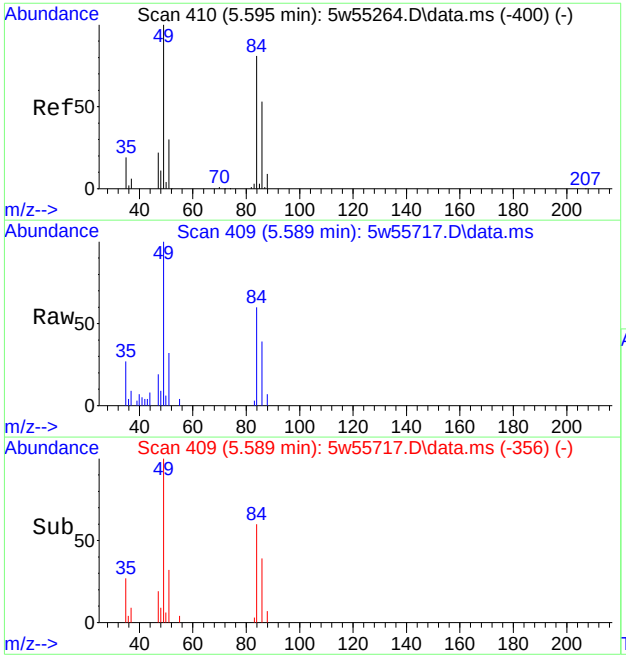




#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.1 | 4.5 | 64.5 |
| 42 | 14.5 | 0.0 | 38.6 |

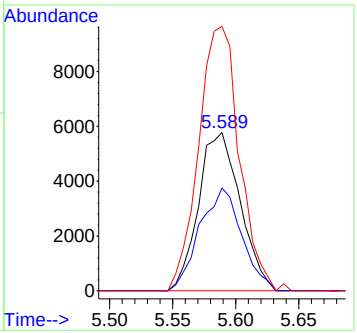


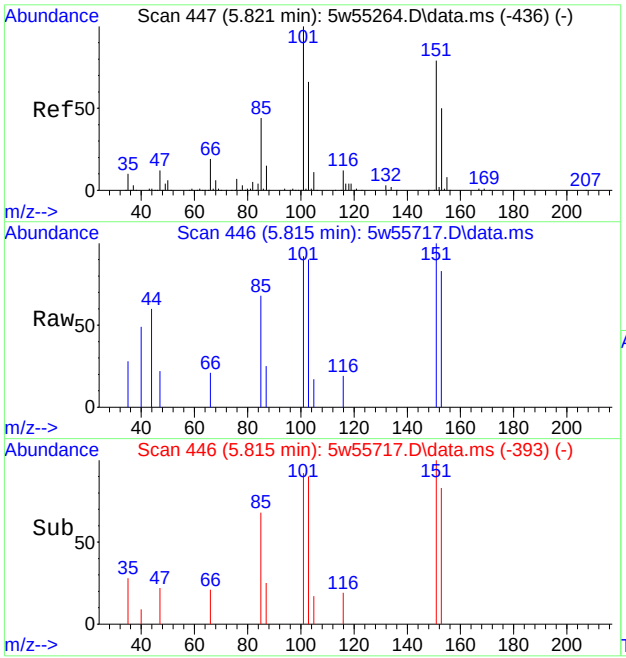



#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.5 | 34.0 | 94.0 |
| 49 | 163.4 | 105.8 | 165.8 |

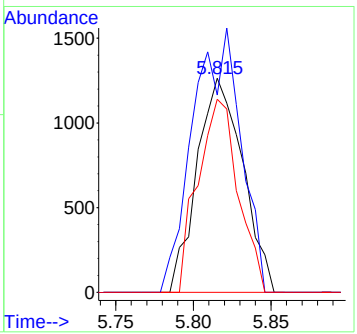


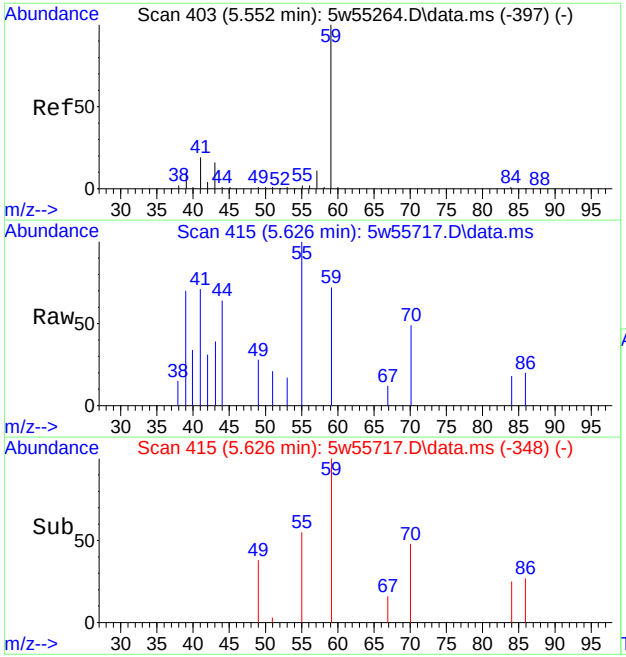




#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 128.7 | 112.2 | 172.2 |
| 103 | 79.4 | 62.0 | 122.0 |

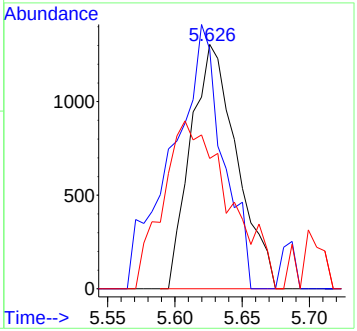


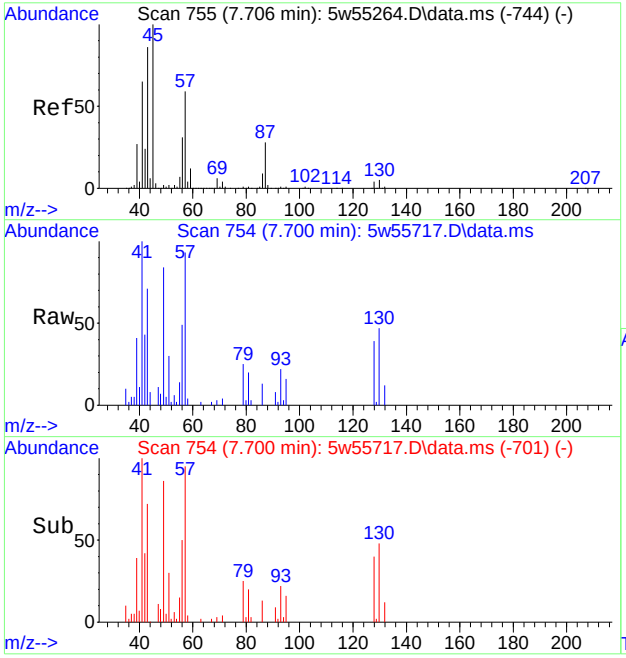



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 118.1 | 0.0 | 53.1# |
| 43 | 98.1 | 0.0 | 47.1# |

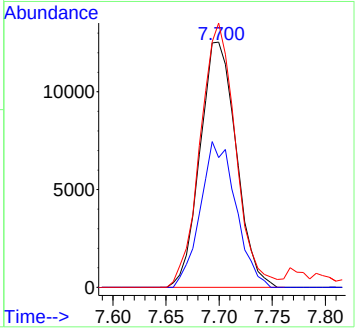


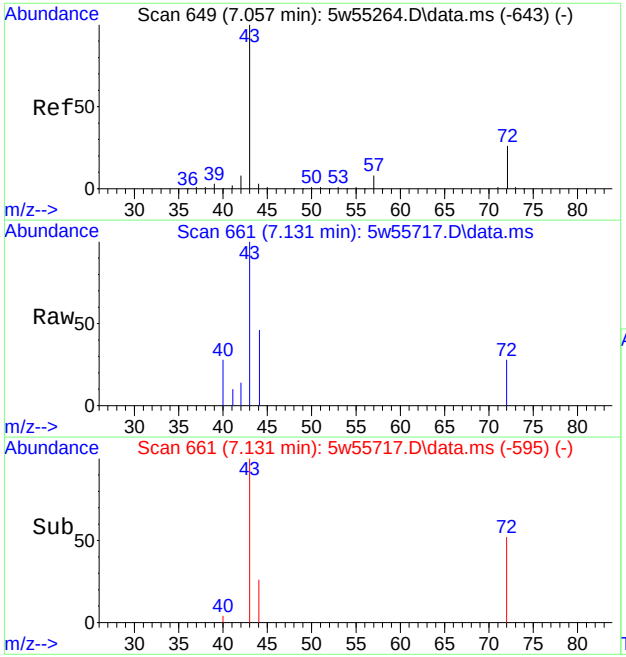




#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.1 | 24.2 | 84.2 |
| 41 | 105.3 | 92.1 | 152.1 |

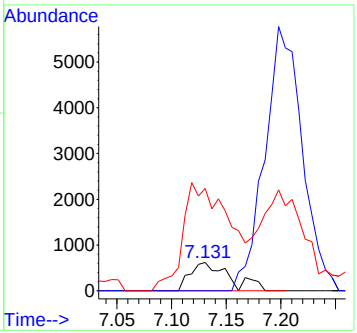


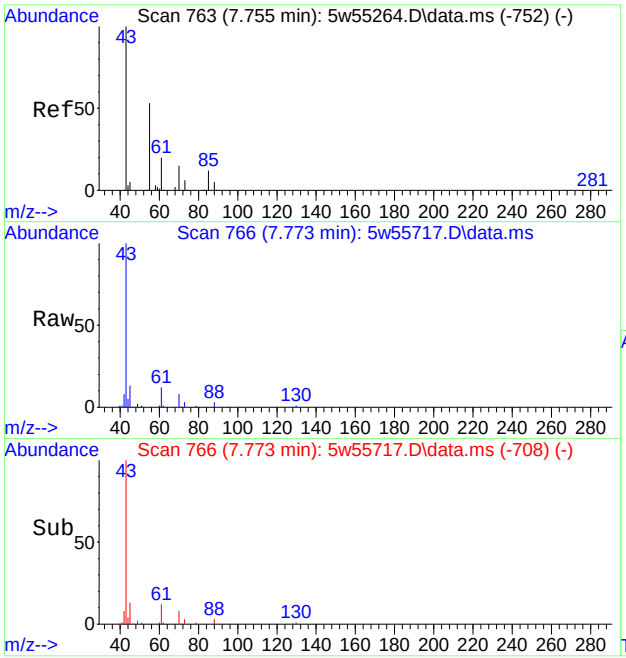



#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 361.9 | 390.6 | 450.6# |

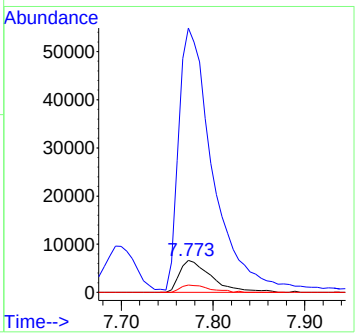


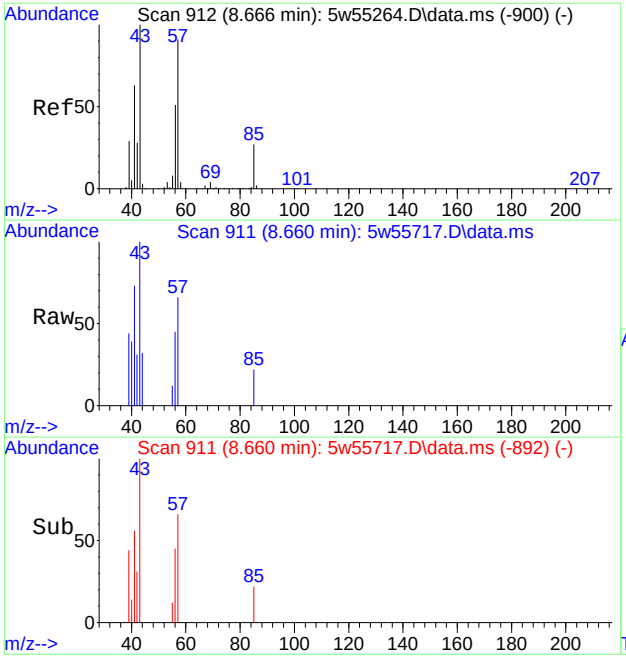




#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 898.0 | 0.0 | 30.0# |
| 88 | 20.8 | 7.3 | 67.3 |

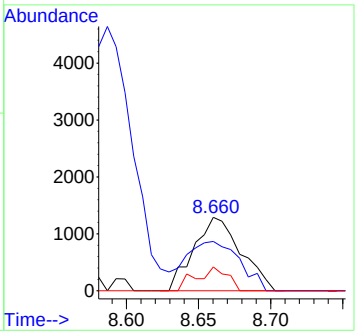


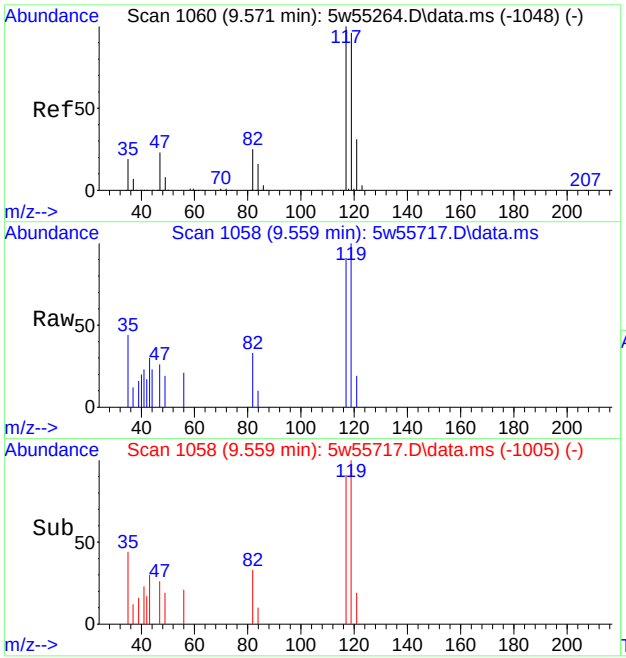



#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 76.5 | 26.4 | 86.4 |
| 85 | 21.3 | 0.0 | 56.0 |

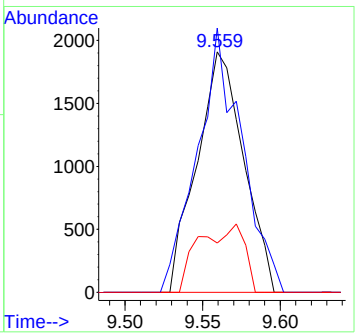


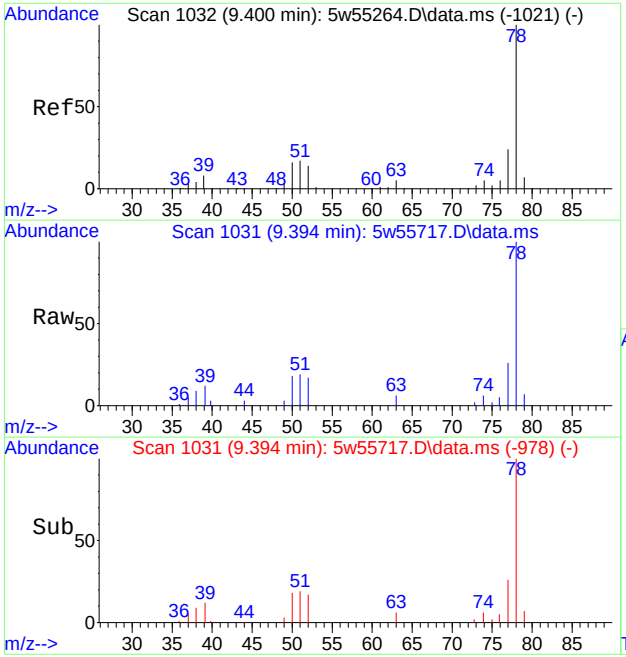




#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 104.8 | 65.9 | 125.9 |
| 121 | 27.3 | 0.7 | 60.7 |

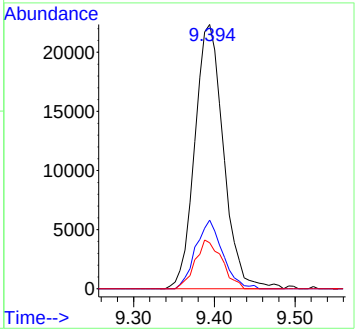


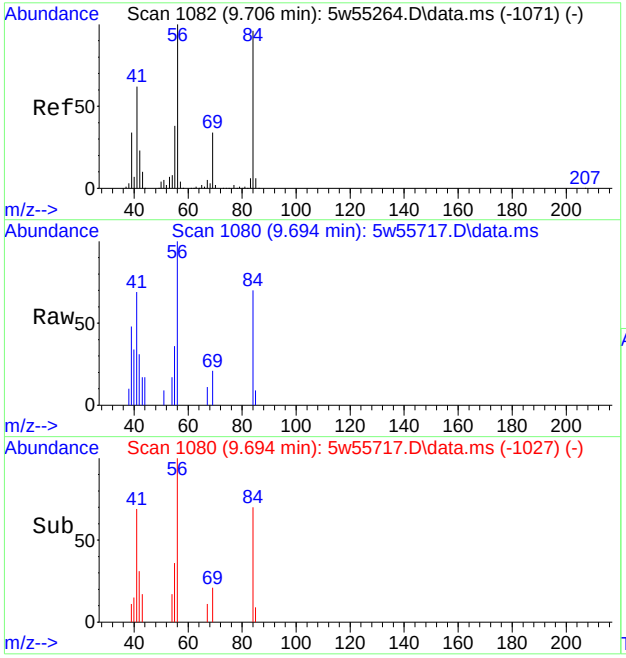



#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 0.0 | 54.0 |
| 52 | 17.3 | 0.0 | 45.6 |

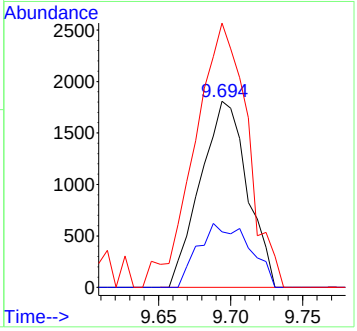


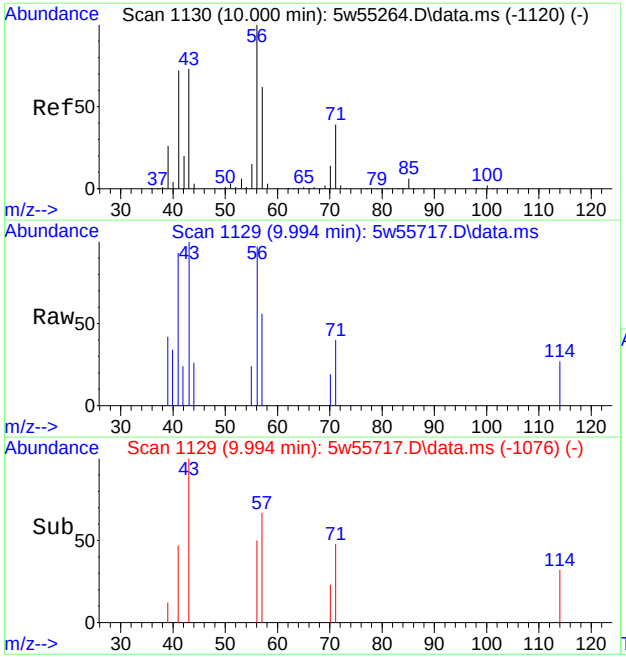




#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 37.4 | 7.0 | 67.0 |
| 56 | 159.7 | 86.5 | 146.5# |

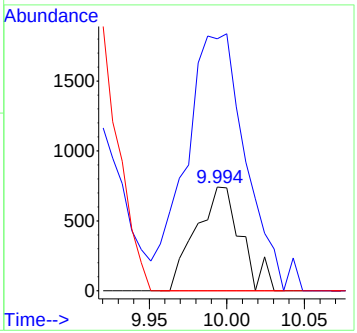


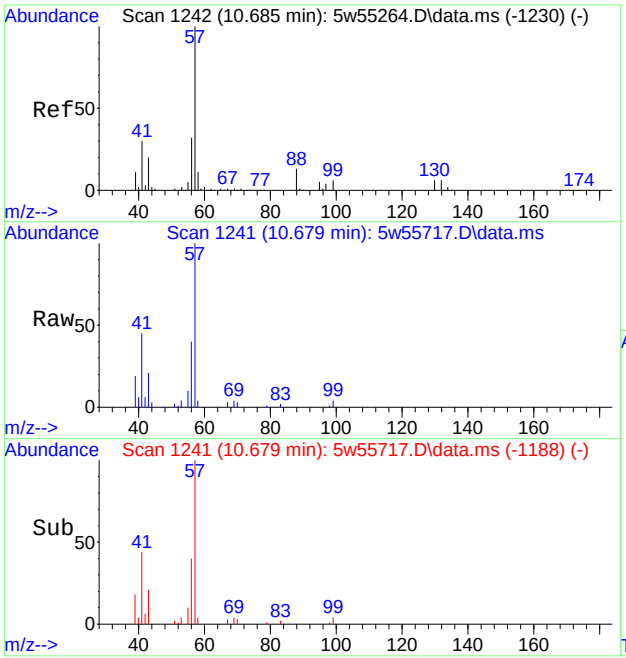



#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 332.4 | 235.4 | 295.4# |
| 85 | 0.0 | 0.0 | 45.3 |

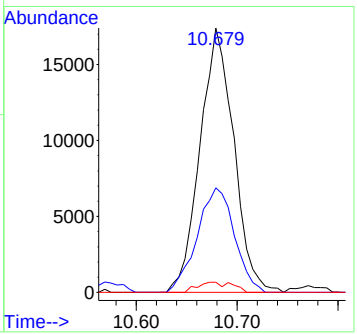


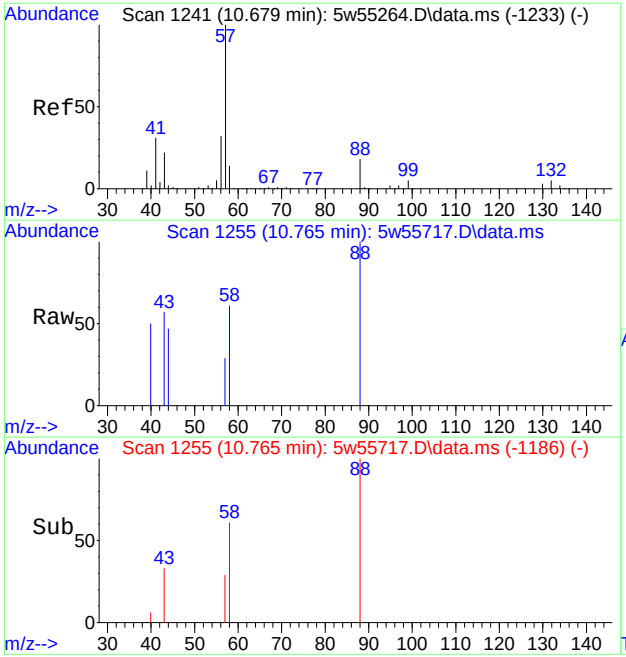




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 43.5 | 2.2 | 62.2 |
| 99 | 4.0 | 0.0 | 37.6 |

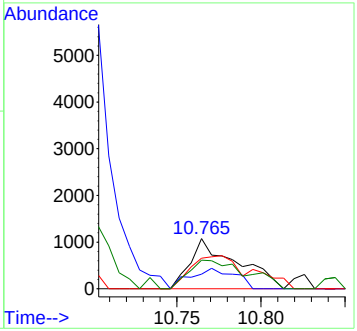


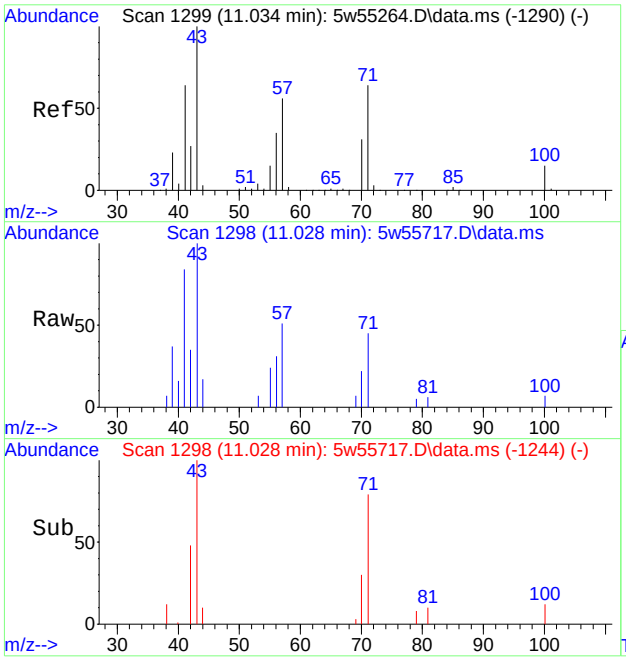



#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 29.2 | 493.0 | 553.0# |
| 58 | 60.6 | 54.8 | 114.8 |
| 43 | 56.8 | 94.7 | 154.7# |

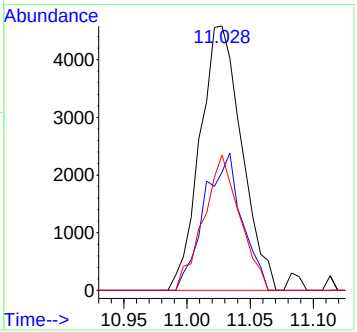


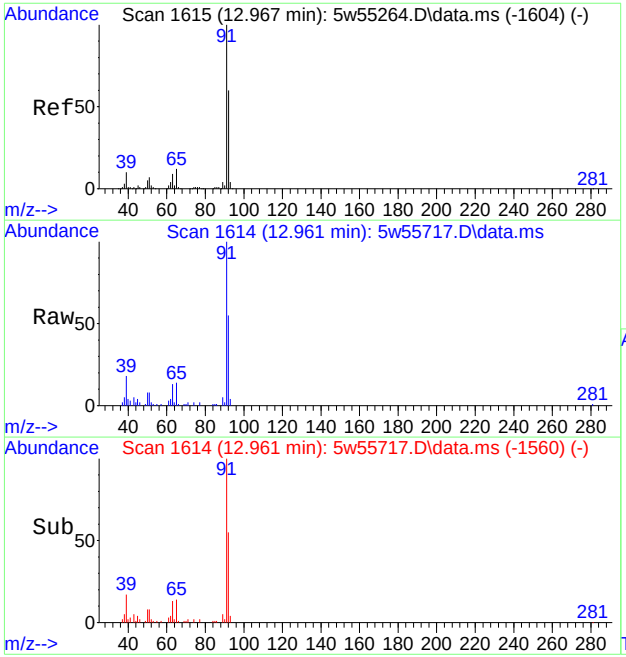




#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 46.8 | 27.2 | 87.2 |
| 57 | 44.6 | 22.5 | 82.5 |

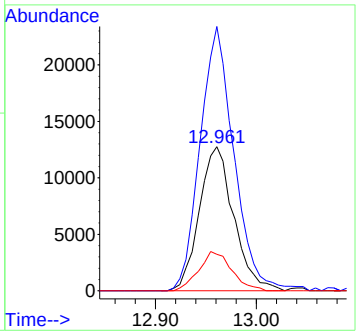


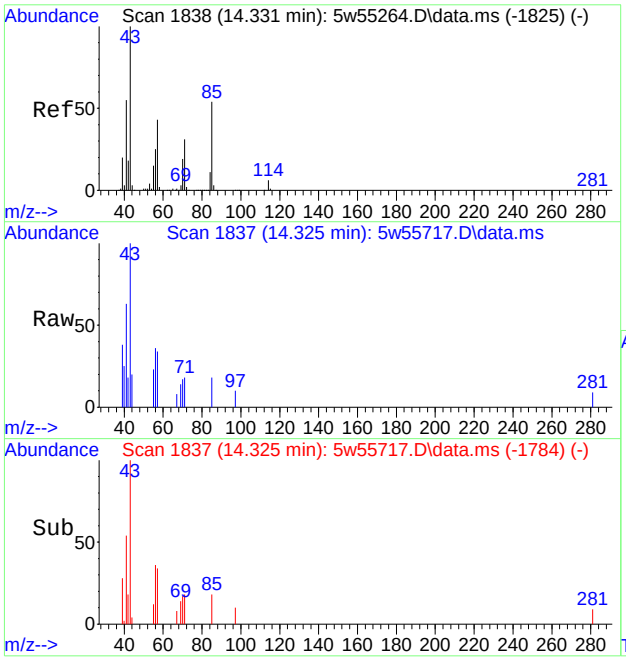



#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.0 | 143.4 | 203.4 |
| 65 | 26.2 | 0.0 | 53.8 |

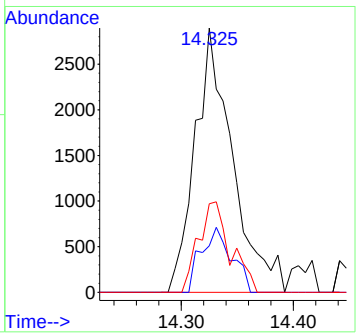


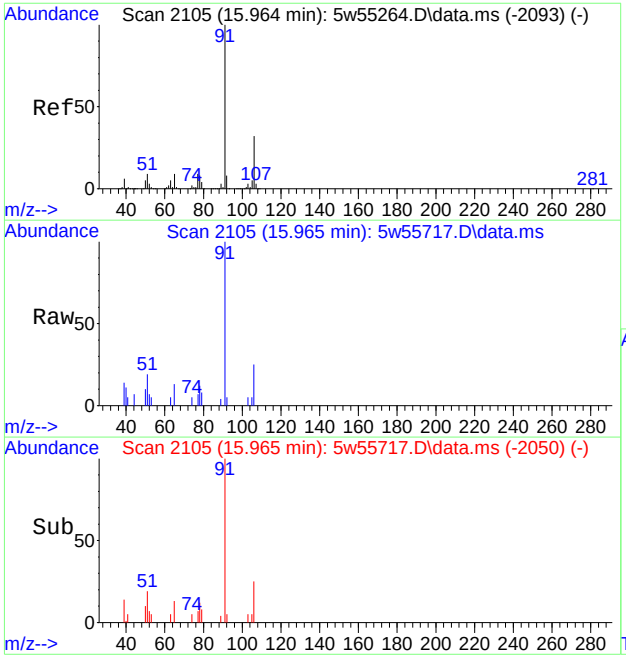




#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 19.9 | 13.7 | 73.7 |
| 57 | 29.2 | 9.9 | 69.9 |

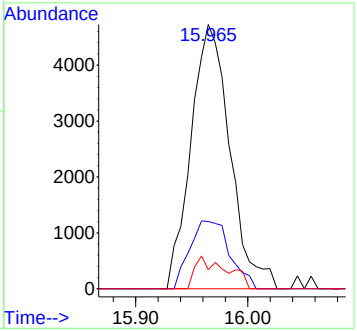


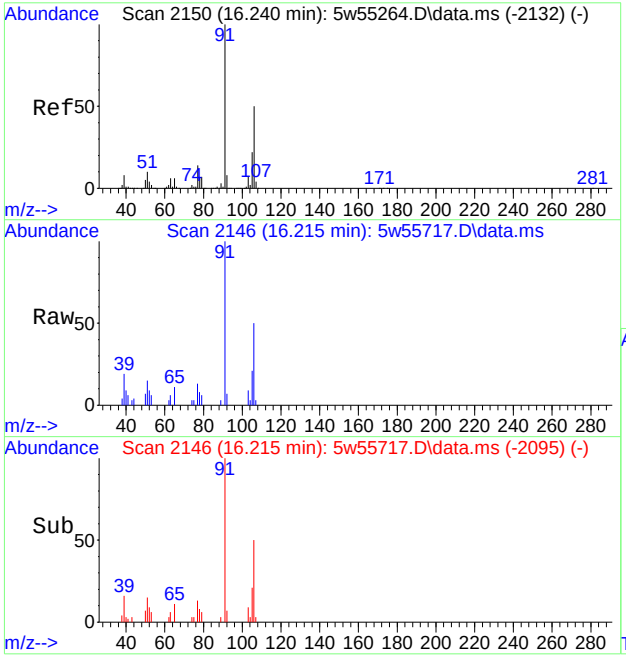



#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.2 | 0.0 | 59.9 |
| 77 | 9.9 | 0.0 | 39.1 |

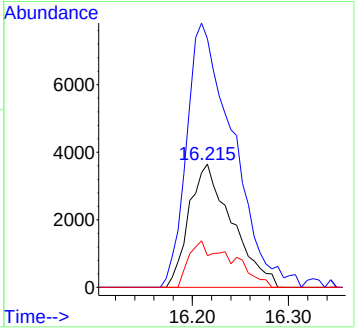


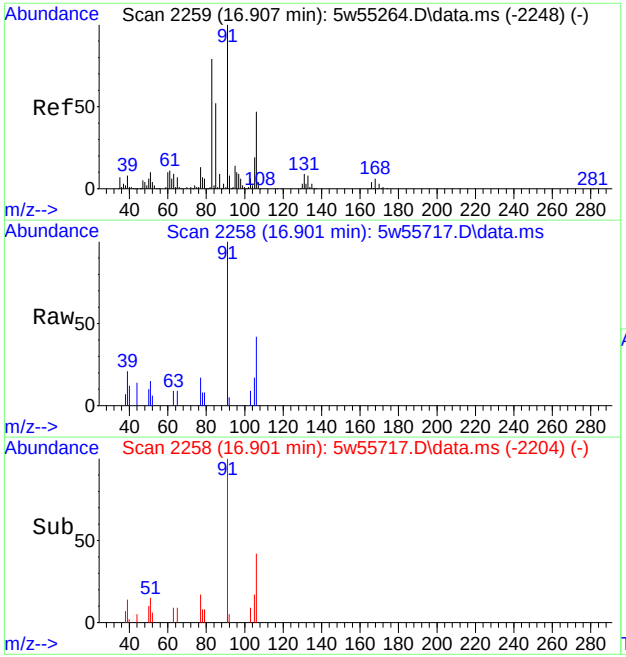




#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.5 | 181.2 | 241.2 |
| 77 | 25.8 | 0.1 | 60.1 |

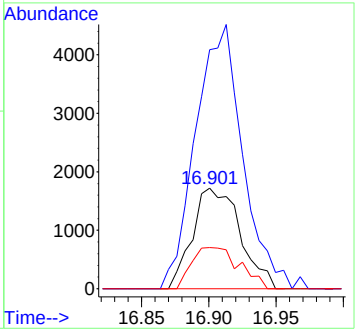


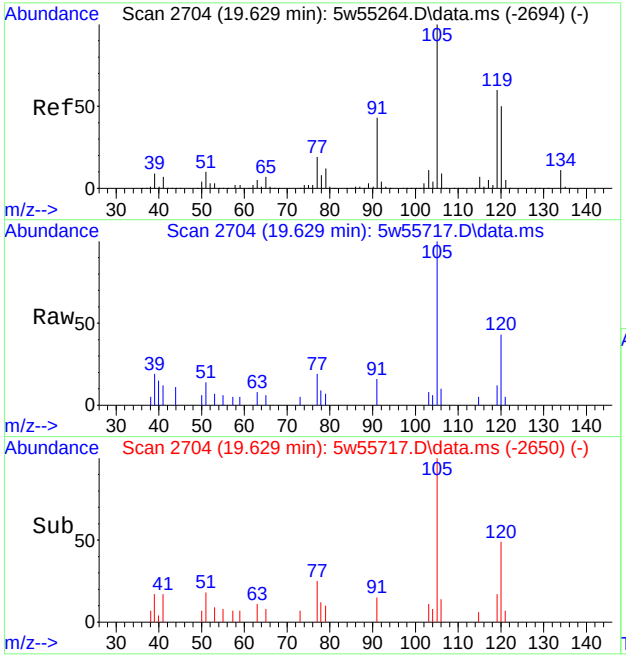



#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 259.6 | 193.4 | 253.4# |
| 77 | 40.9 | 0.0 | 59.8 |

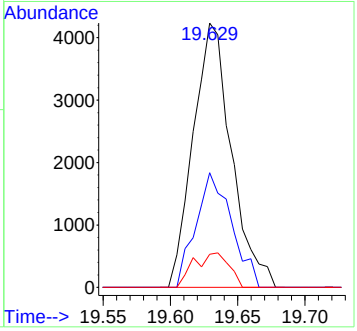



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.5 | 22.6 | 82.6 |
| 119 | 12.0 | 69.7 | 129.7# |



# Manual Integration Approval Summary



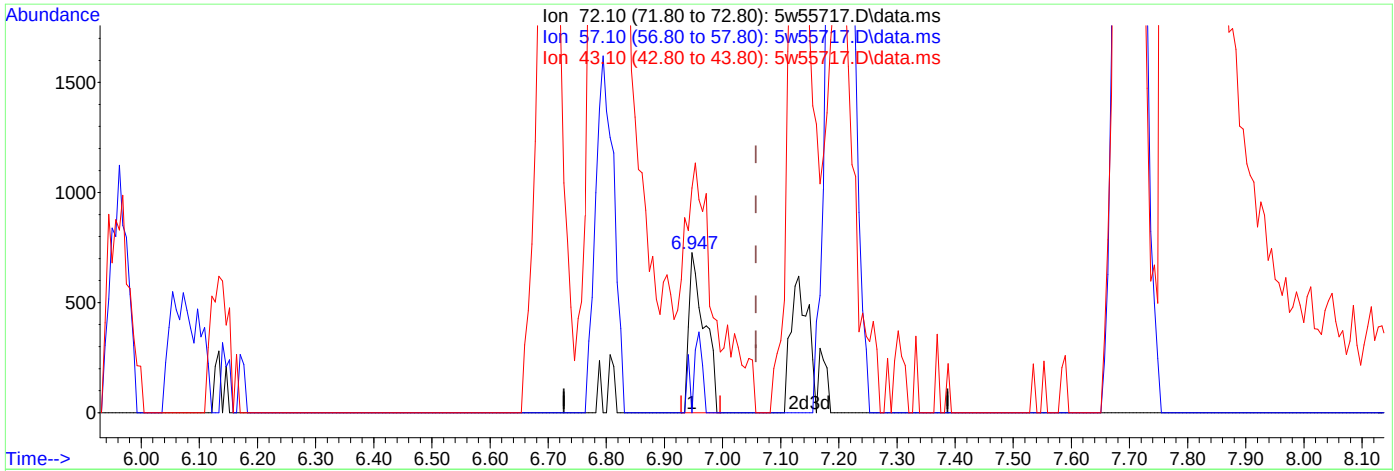
**Sample Number:** JE2488-2DUP
**Lab FileID:** 5W55717.D
**Injection Time:** 12/18/24 09:29
**Method:** TO-15
**Analyst approved:** 12/20/24 20:17 Kanya Veerawat
**Supervisor approved:** 12/20/24 20:19 Kanya Veerawat

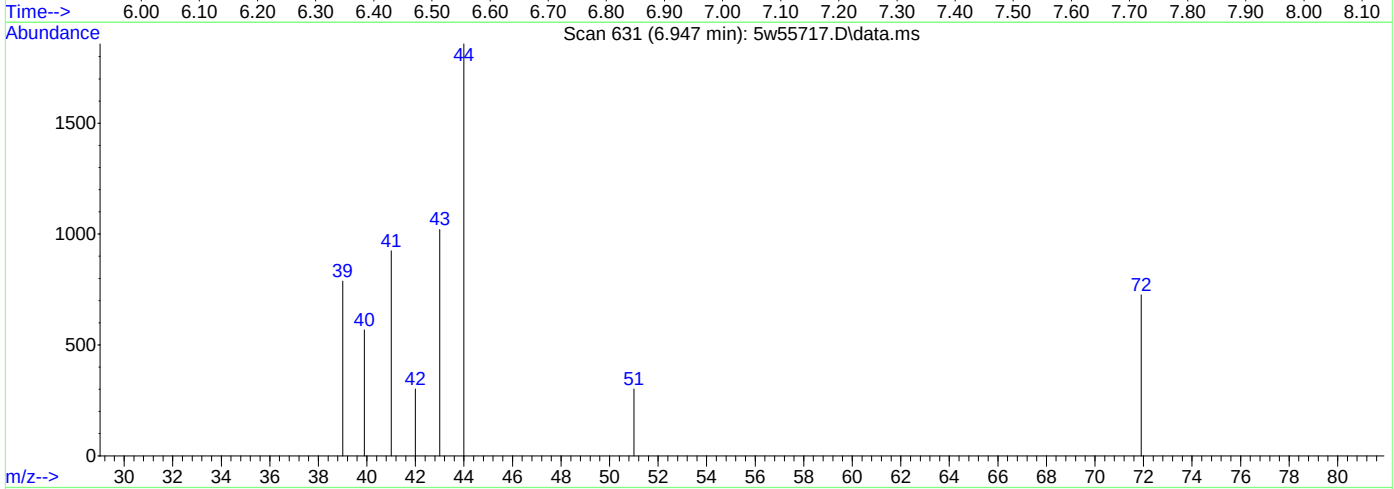
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | | 7.13 | Missed peak |

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 0.00# |
| 43.10 | 420.60 | 140.63# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

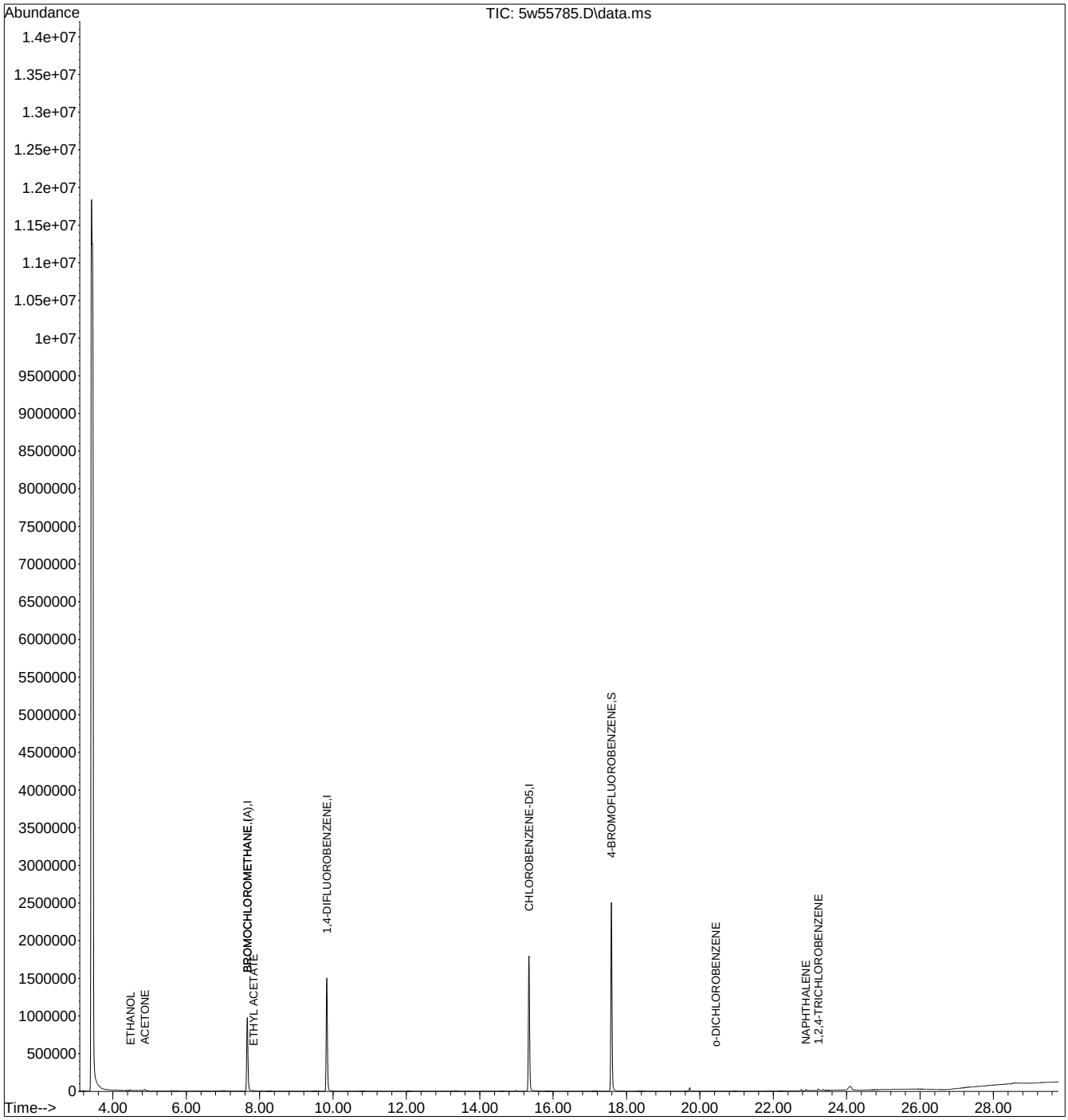
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 276928 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1339103 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 728500 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 276928 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 918485 | 11.27 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.70% | | | |
| Target Compounds | | | | | | Qvalue |
| 23) ACETONE | 4.867 | 58 | 8491 | 0.3802 | PPBV | # 78 |
| 28) ETHANOL | 4.482 | 45 | 11825 | 0.5445 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.834 | 61 | 1758 | 0.1984 | PPBV | # 38 |
| 103) o-DICHLOROBENZENE | 20.430 | 146 | 2425 | 0.0268 | PPBV | 83 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9413 | 0.1167 | PPBV | 92 |
| 108) NAPHTHALENE | 22.890 | 128 | 17643 | 0.0996 | PPBV | 95 |

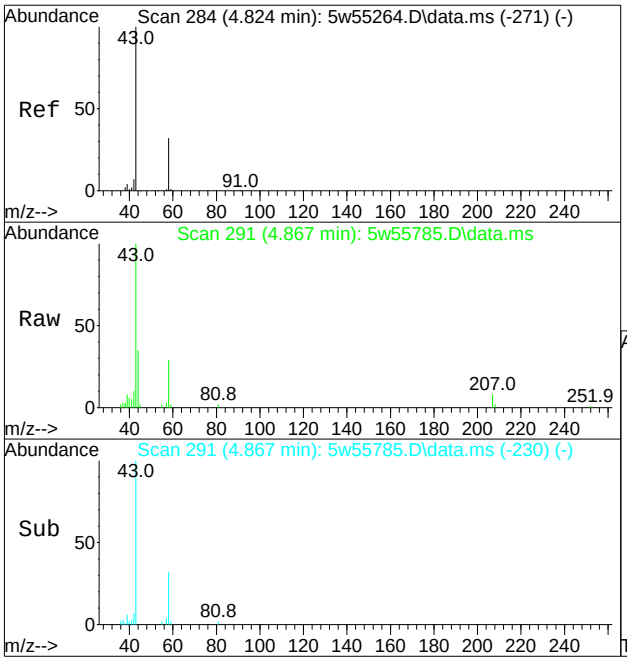
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

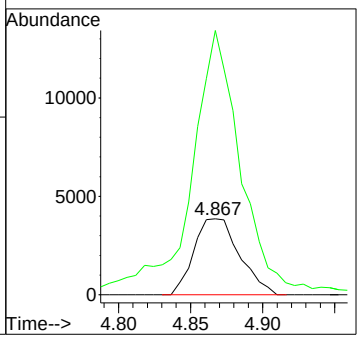


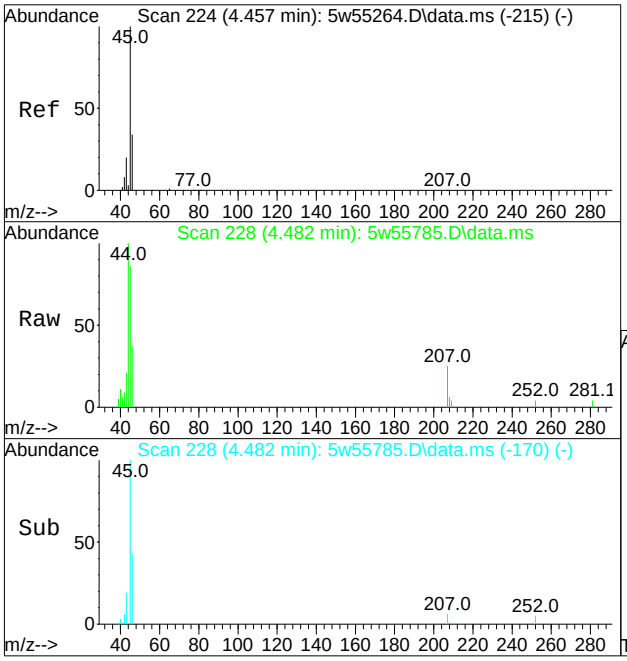



#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 389.2 | 312.3 | 372.3# |

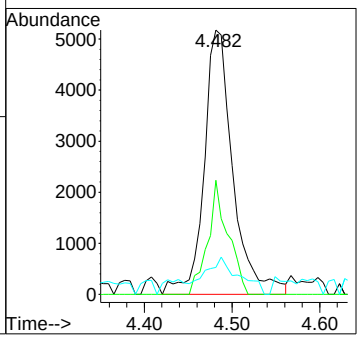


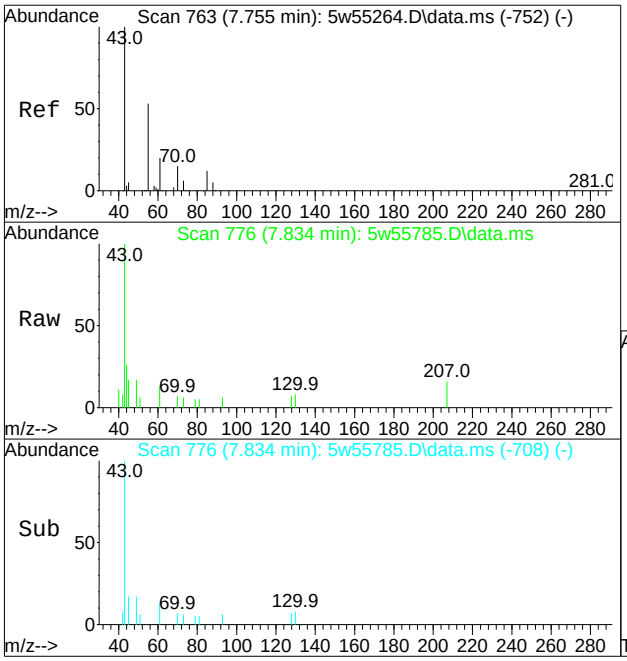




#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 30.2 | 4.5 | 64.5 |
| 42 | 16.3 | 0.0 | 38.6 |

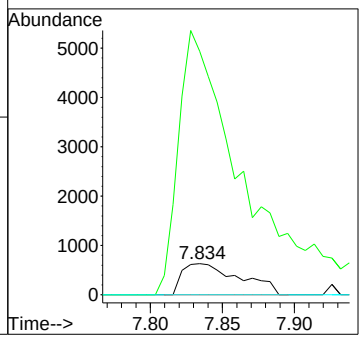


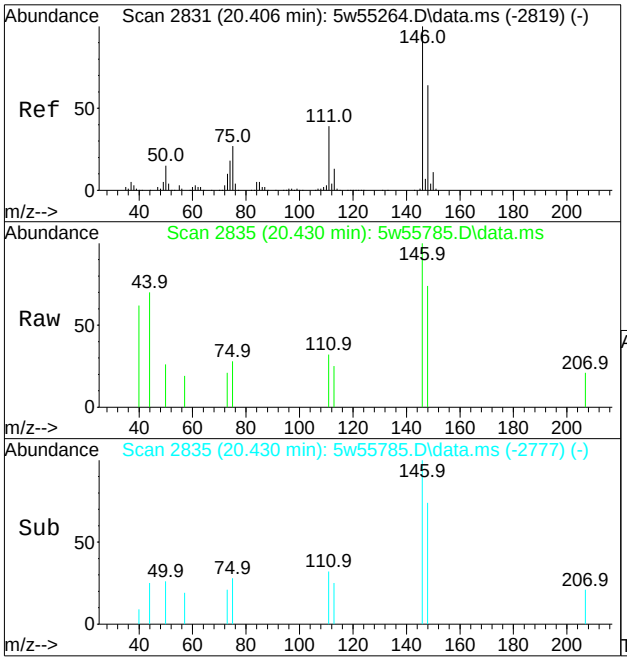



#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 1032.1 | 0.0 | 30.0# |
| 88 | 0.0 | 7.3 | 67.3# |

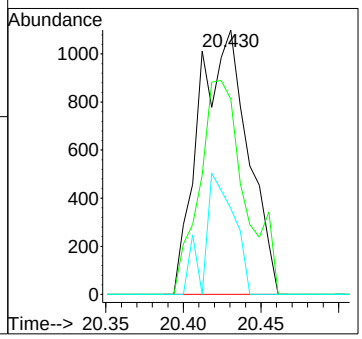


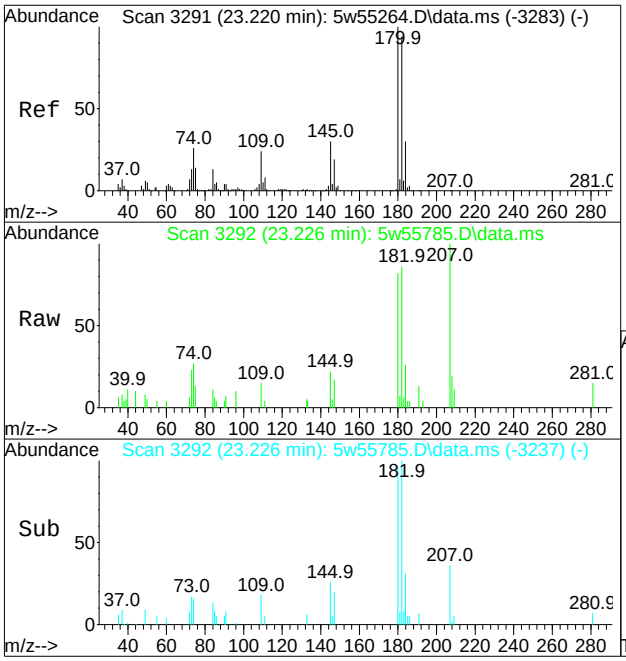




#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 74.4 | 33.8 | 93.8 |
| 111 | 27.3 | 11.3 | 71.3 |

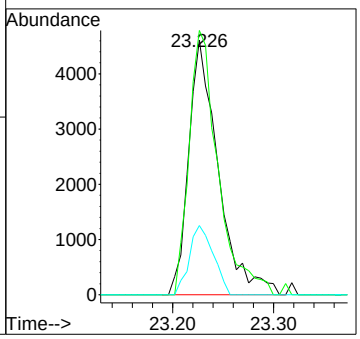


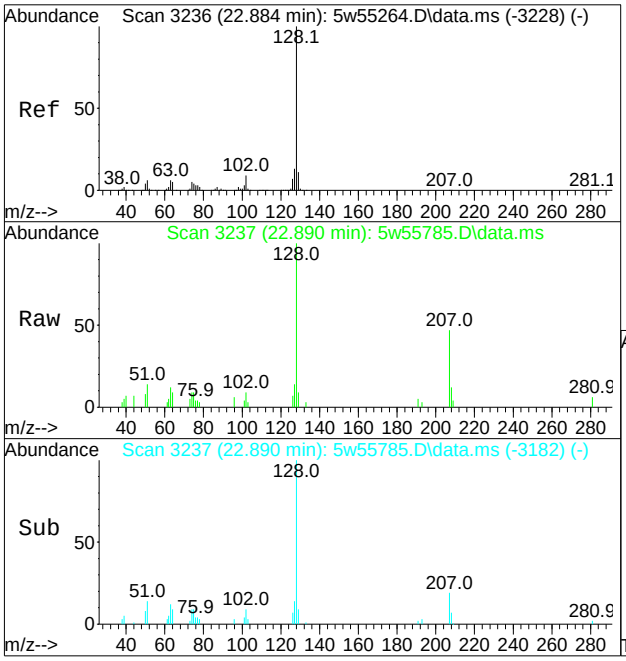



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.6 | 66.4 | 126.4 |
| 145 | 22.0 | 0.2 | 60.2 |

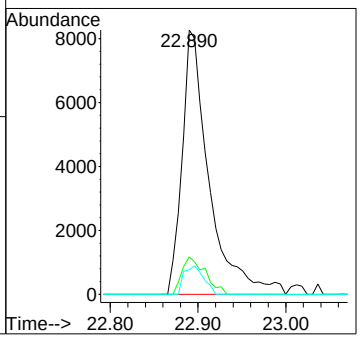



#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 0.0 | 43.1 |
| 129 | 7.9 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

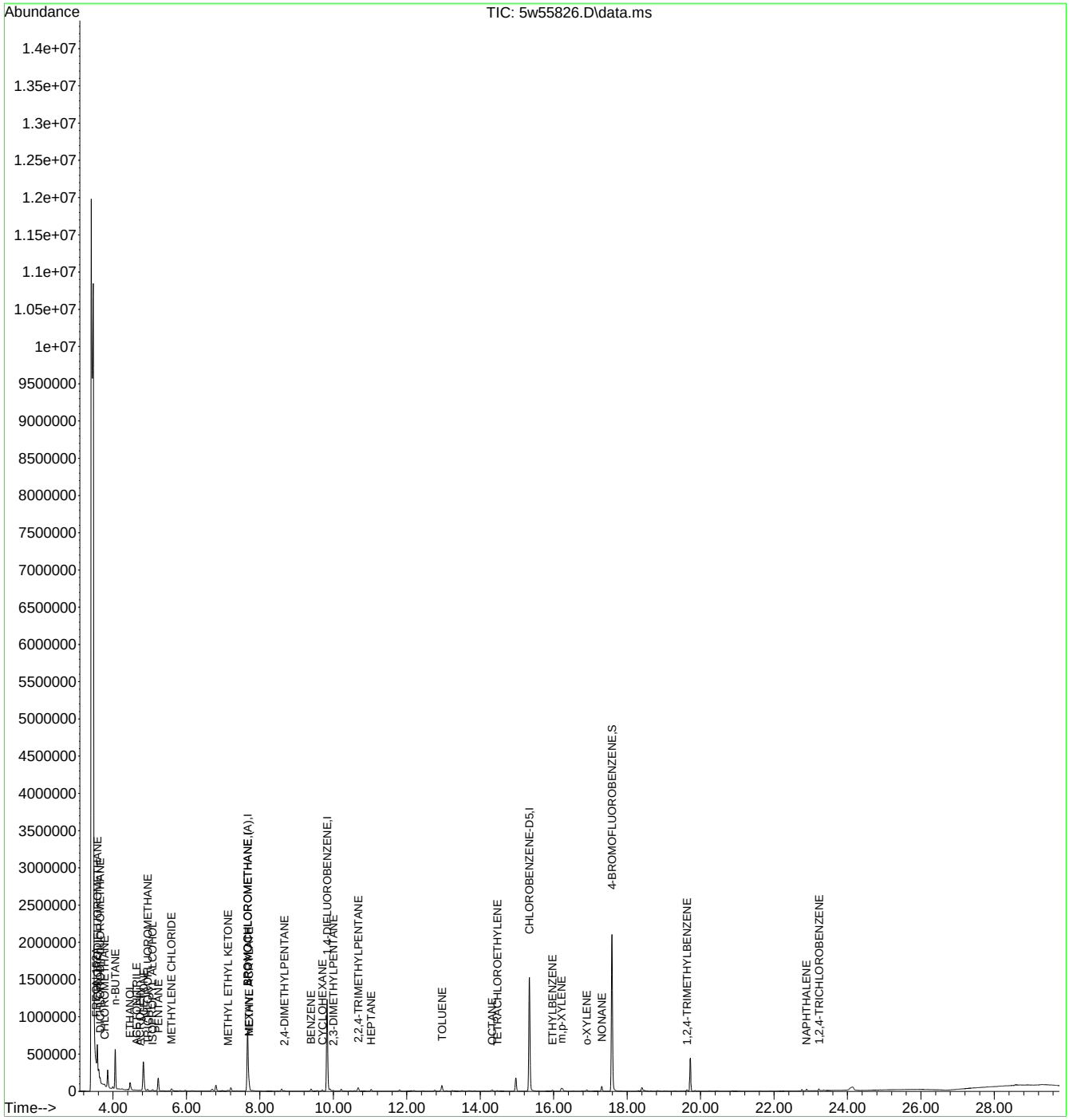
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 217553 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1077292 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 621263 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 217553 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 760224 | 10.93 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.30% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 17612 | 1.0942 | PPBV # | 43 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 70935 | 8.4993 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 33315 | 0.4190 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 4470 | 0.4360 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 439213 | 9.4501 | PPBV # | 94 |
| 17) ACETONITRILE | 4.635 | 41 | 3723 | 0.1387 | PPBV # | 70 |
| 18) ACROLEIN | 4.732 | 56 | 1588 | 0.1355 | PPBV # | 50 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 17117 | 0.2330 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 24215 | 0.5202 | PPBV | 88 |
| 23) ACETONE | 4.836 | 58 | 63014 | 3.5913 | PPBV # | 12 |
| 24) PENTANE | 5.234 | 42 | 77918 | 3.3694 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 128568 | 7.5359 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13335 | 0.5844 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 46133 | 1.3534 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.124 | 72 | 5405 | 0.5728 | PPBV | 88 |
| 45) METHYL ACRYLATE | 7.706 | 55 | 5623 | 0.1357 | PPBV # | 56 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 3784 | 0.1015 | PPBV | 88 |
| 52) BENZENE | 9.394 | 78 | 32183 | 0.4122 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 7334 | 0.2500 | PPBV | 95 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 2176 | 0.1374 | PPBV # | 86 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 42861 | 0.3615 | PPBV | 85 |
| 62) HEPTANE | 11.028 | 43 | 12558 | 0.3032 | PPBV | 91 |
| 66) TOLUENE | 12.961 | 92 | 40482 | 0.7412 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 2473 | 0.0609 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 19766 | 0.3622 | PPBV # | 55 |
| 79) ETHYLBENZENE | 15.964 | 91 | 15737 | 0.1374 | PPBV | 92 |
| 80) m,p-XYLENE | 16.209 | 106 | 24925 | 0.5735 | PPBV | 98 |
| 81) o-XYLENE | 16.901 | 106 | 6839 | 0.1621 | PPBV | 88 |
| 83) NONANE | 17.310 | 43 | 31896 | 0.5601 | PPBV | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 11668 | 0.1080 | PPBV # | 40 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9822 | 0.1428 | PPBV | 95 |
| 108) NAPHTHALENE | 22.884 | 128 | 19361 | 0.1282 | PPBV | 97 |

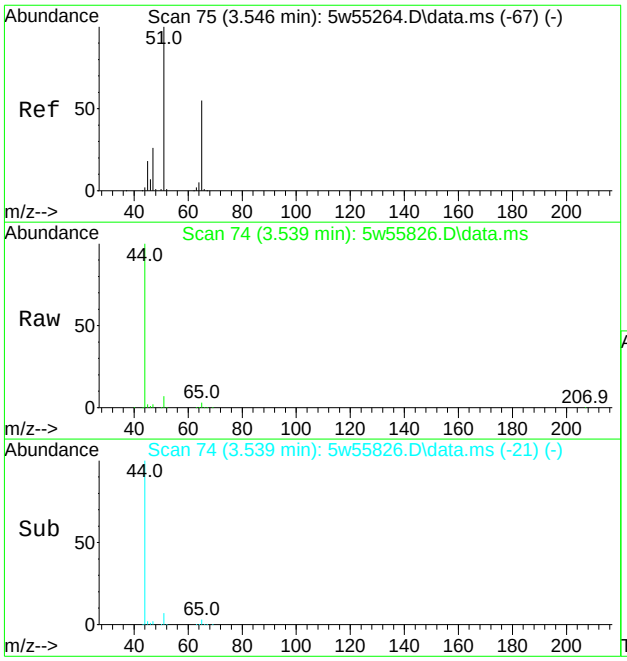
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

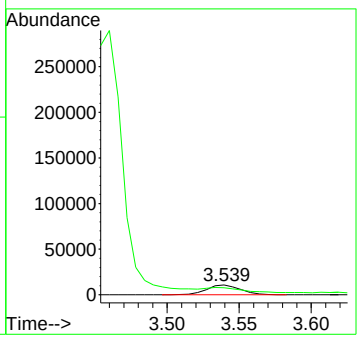


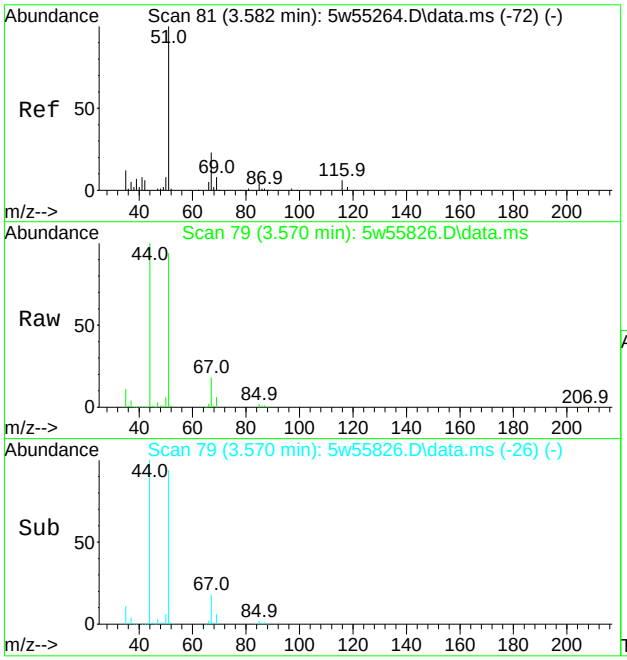



#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

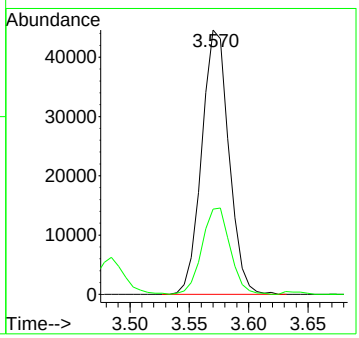


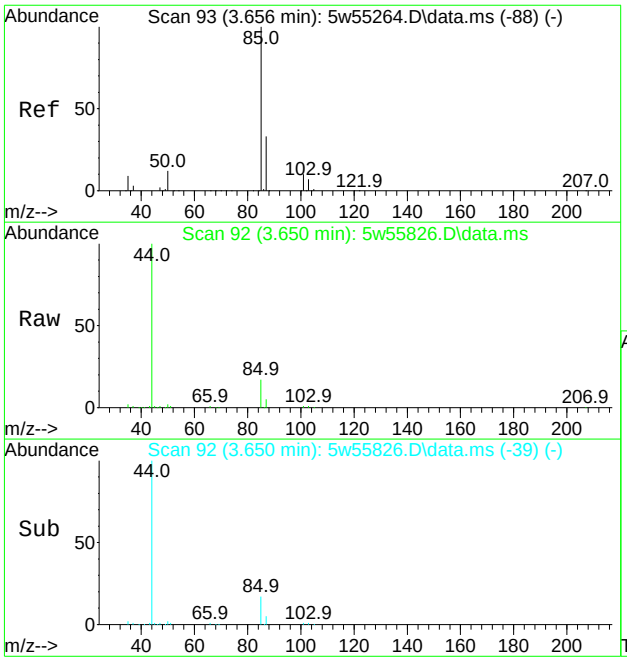




#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.3 | 2.9 | 62.9 |

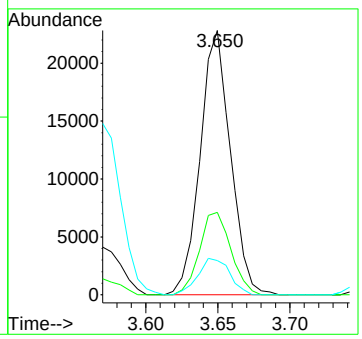


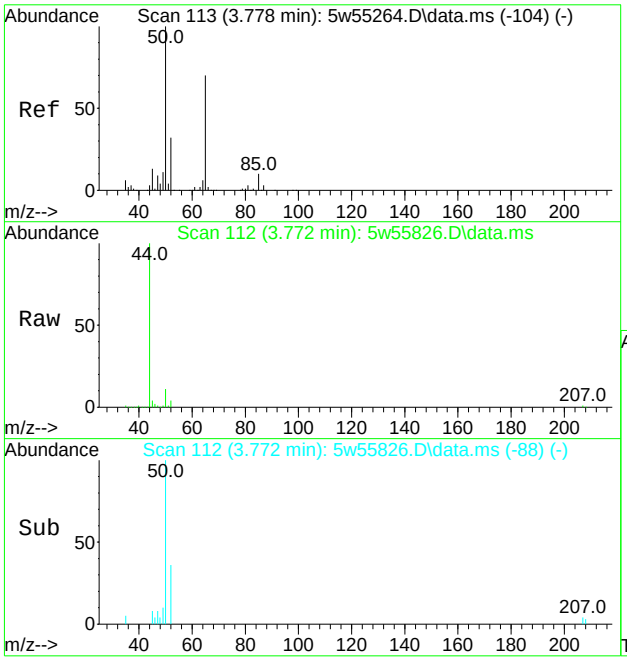



#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 2.6 | 62.6 |
| 50 | 14.5 | 0.0 | 43.0 |

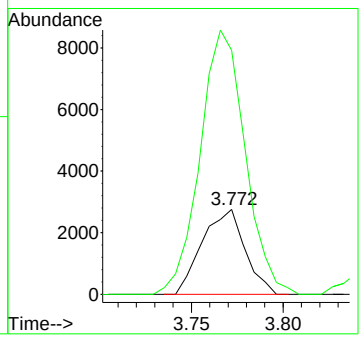


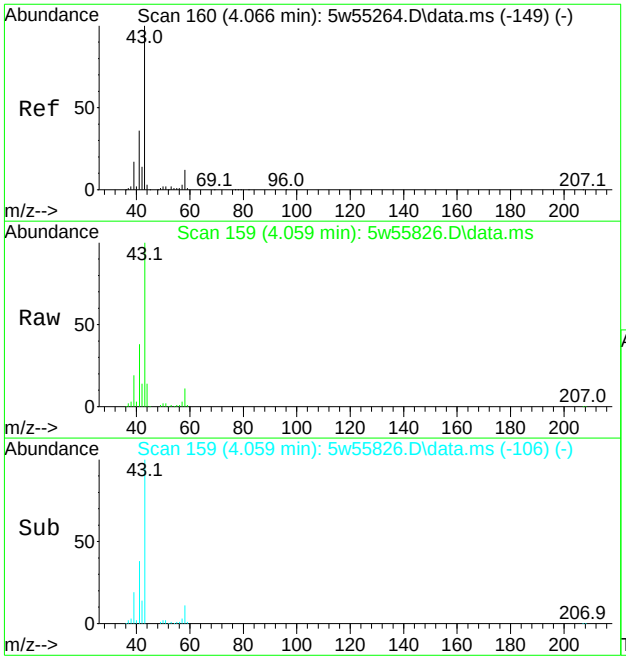




#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 278.9 | 287.9 | 347.9# |

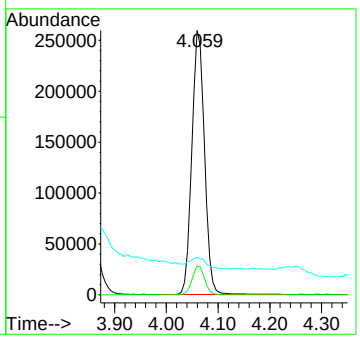


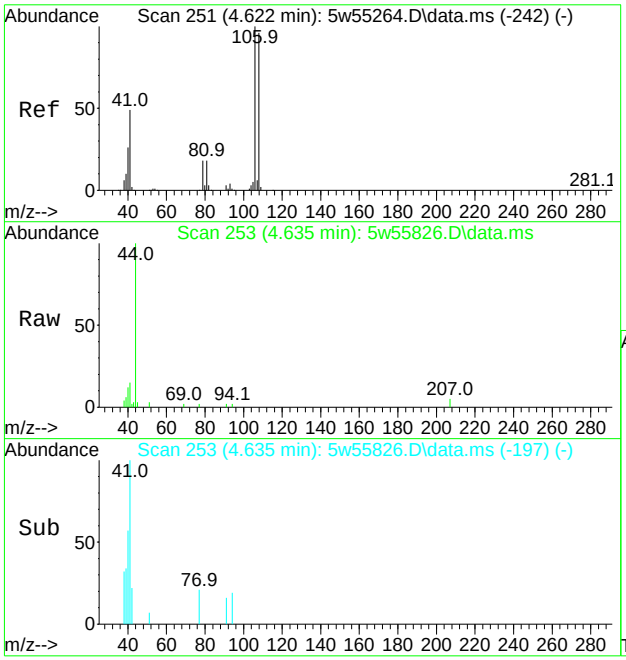



#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

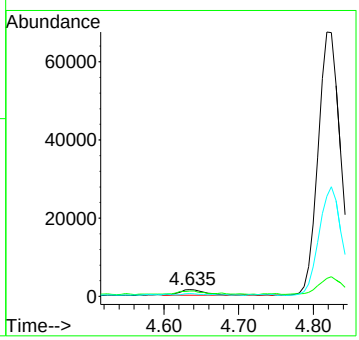


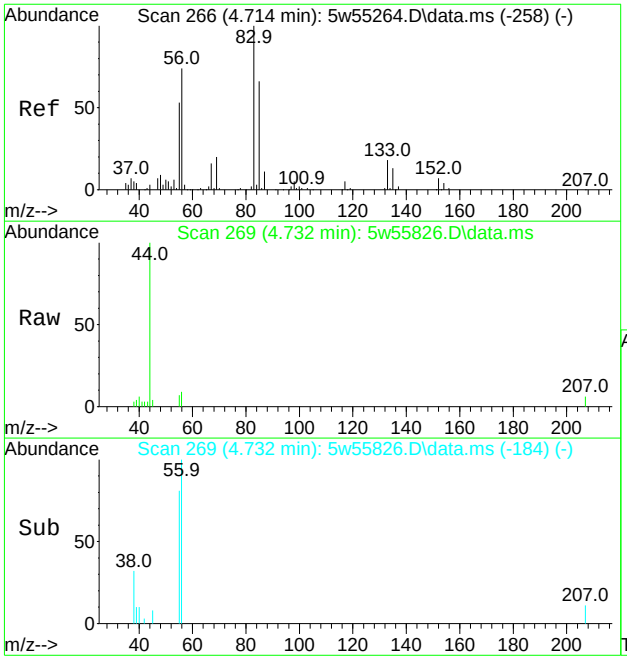




#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 80.2 | 38.4 | 71.4# |
| 39 | 27.1 | 13.7 | 25.5# |

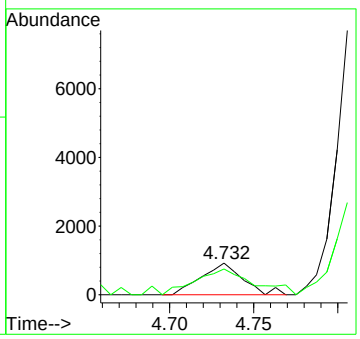


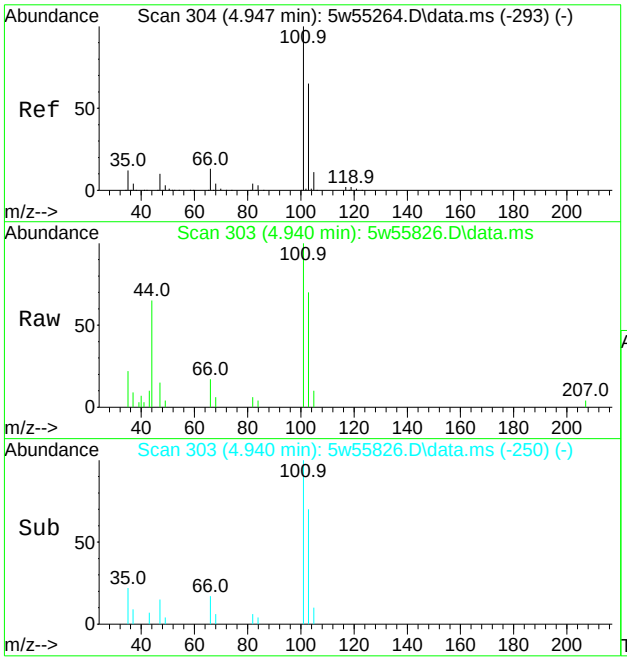



#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 112.4 | 49.8 | 92.6# |

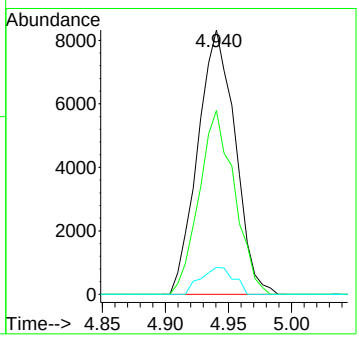


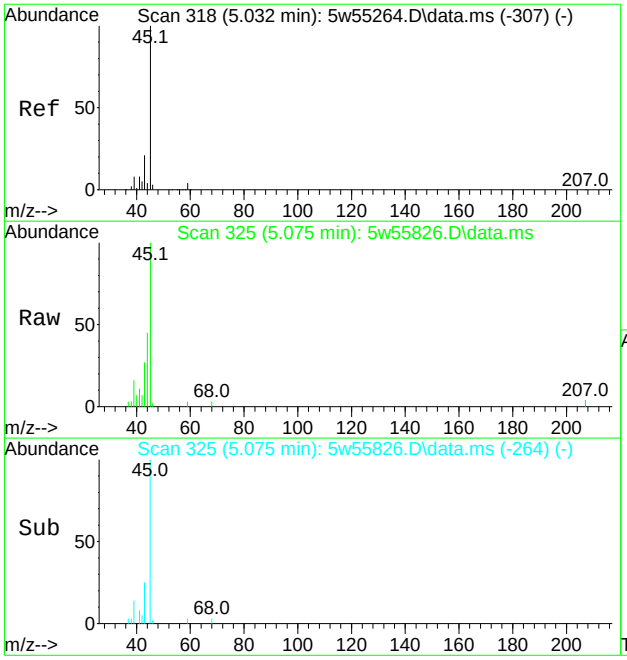




#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.9 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

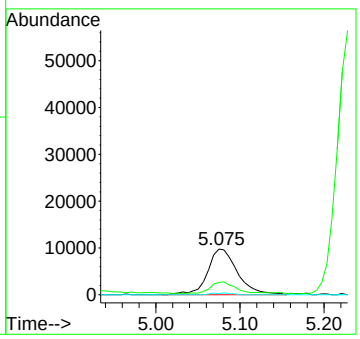


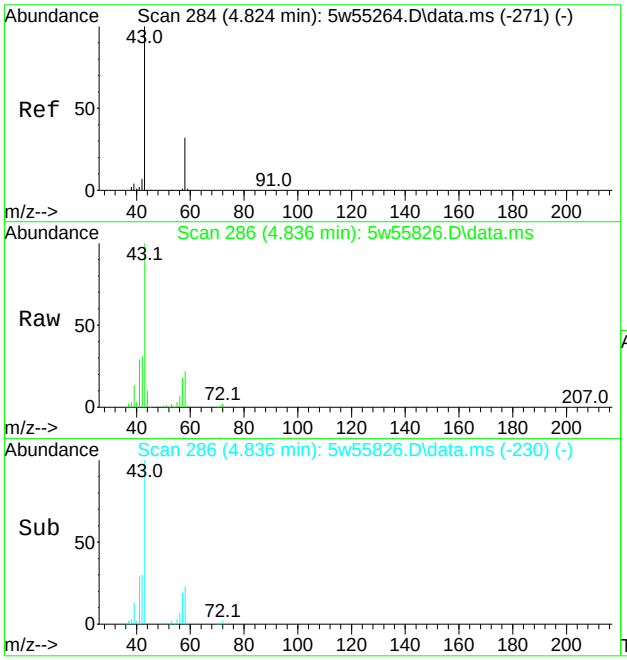



#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.1 | 0.0 | 50.8 |
| 59 | 2.7 | 0.0 | 33.8 |

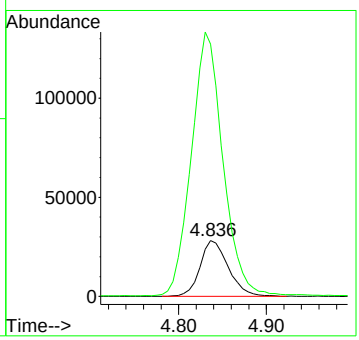


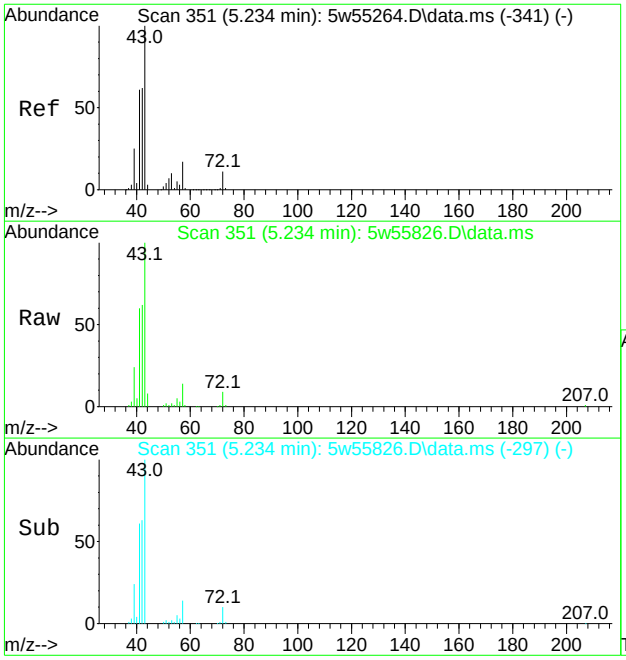




#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 530.6 | 312.3 | 372.3# |

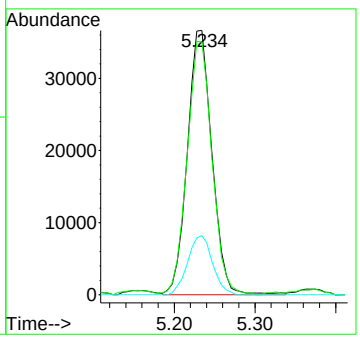


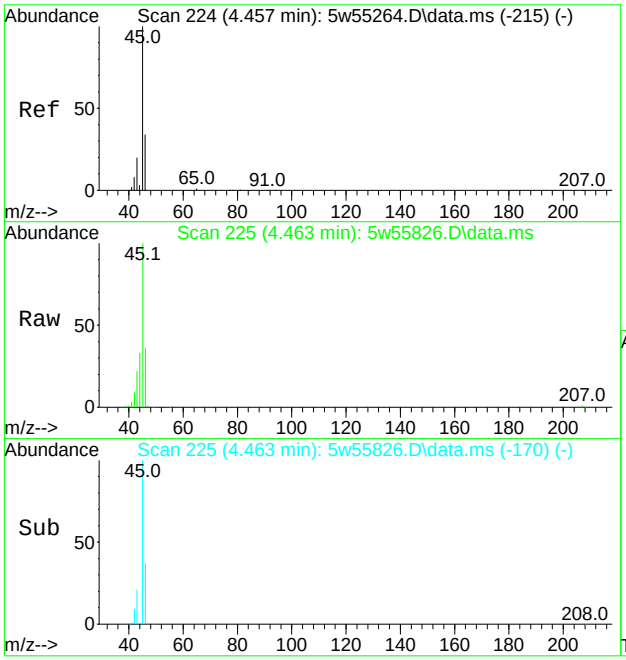



#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.8 | 64.4 | 124.4 |
| 57 | 22.4 | 0.0 | 55.0 |

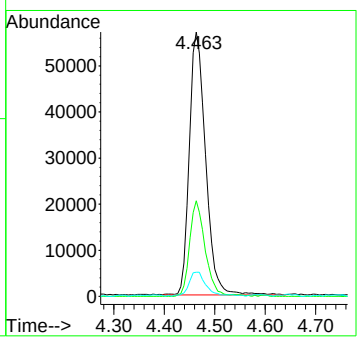


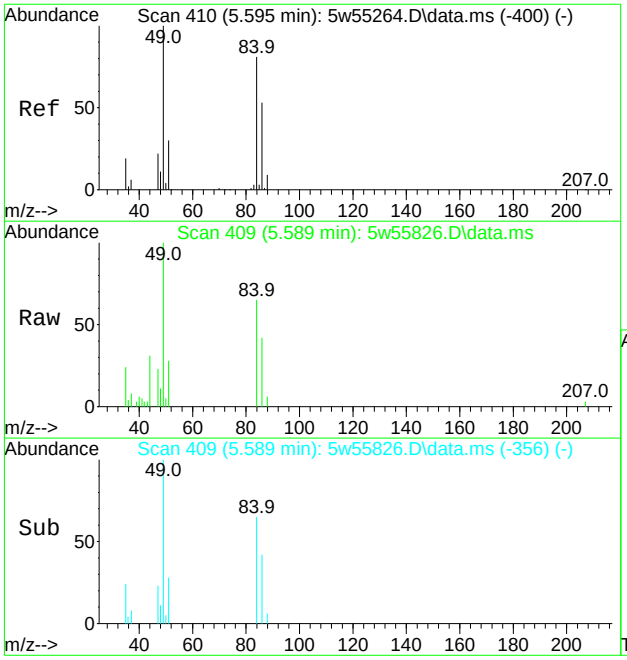




#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 10.1 | 0.0 | 38.6 |

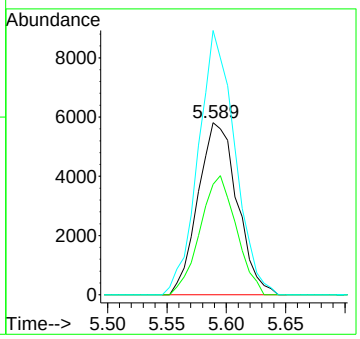


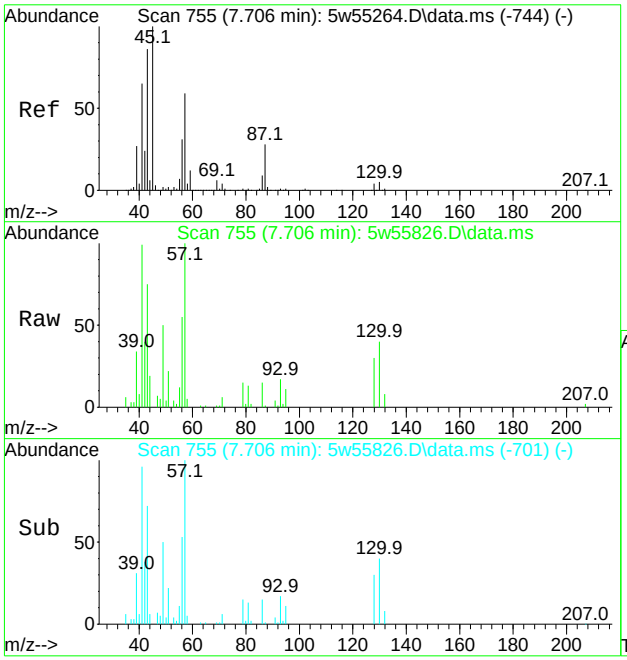



#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.7 | 34.0 | 94.0 |
| 49 | 143.0 | 105.8 | 165.8 |

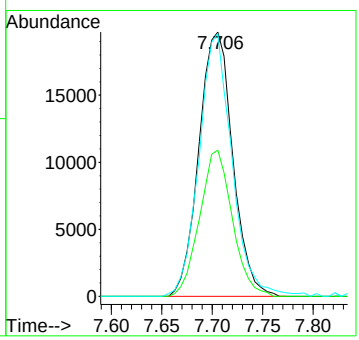


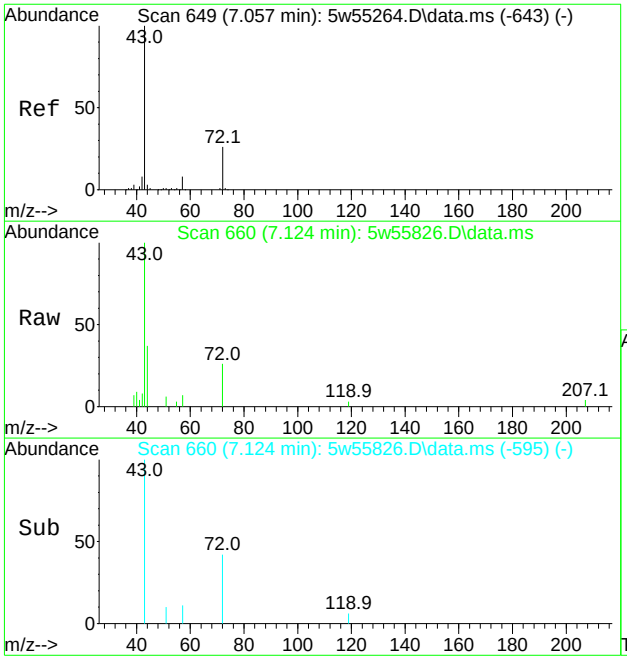




#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.4 | 24.2 | 84.2 |
| 41 | 97.1 | 92.1 | 152.1 |

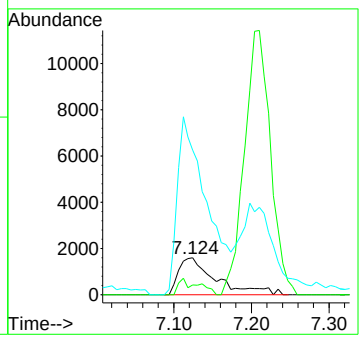


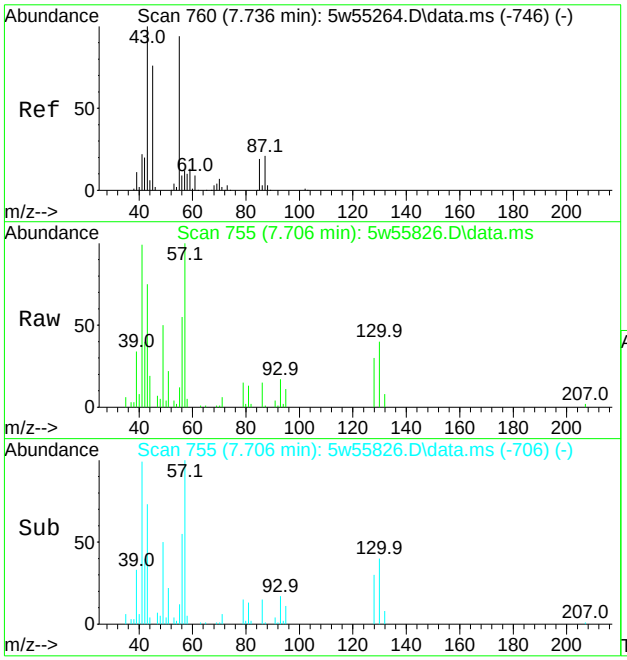



#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 26.9 | 1.1 | 61.1 |
| 43 | 390.7 | 390.6 | 450.6 |

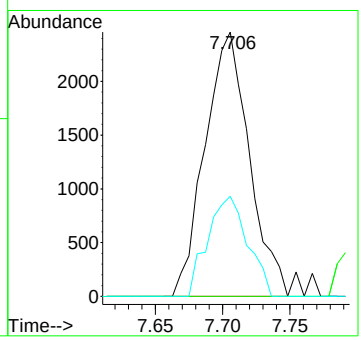


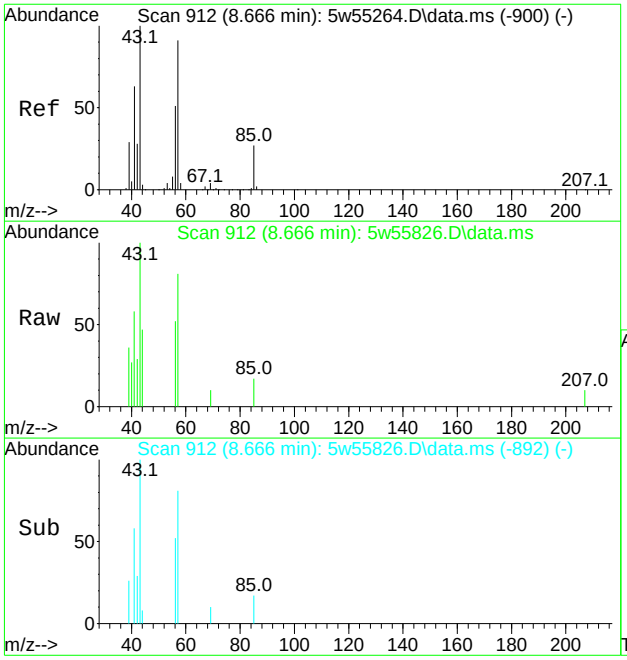




#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 11.4 | 21.2# |
| 58 | 34.2 | 9.7 | 17.9# |

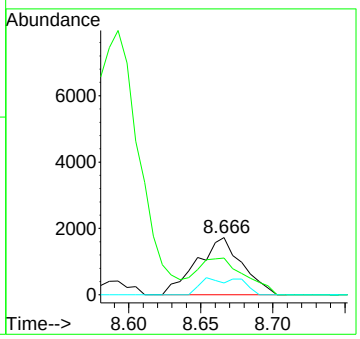


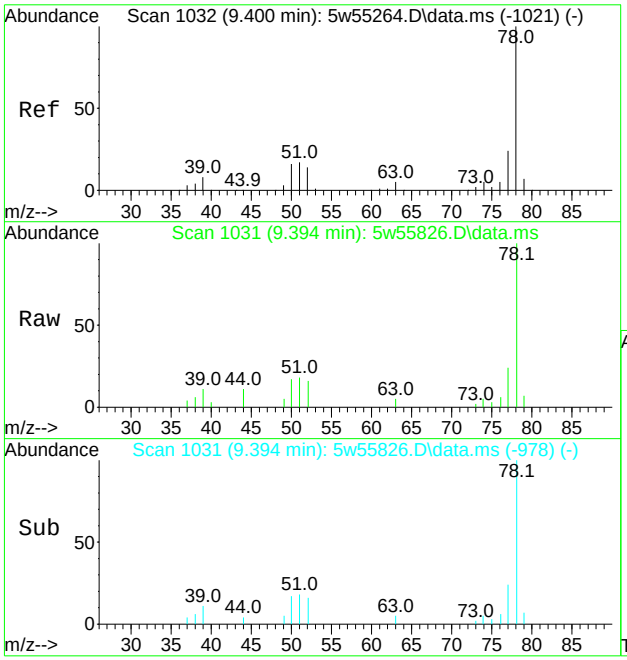



#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 69.1 | 26.4 | 86.4 |
| 85 | 26.3 | 0.0 | 56.0 |

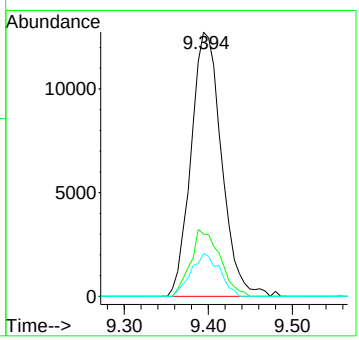


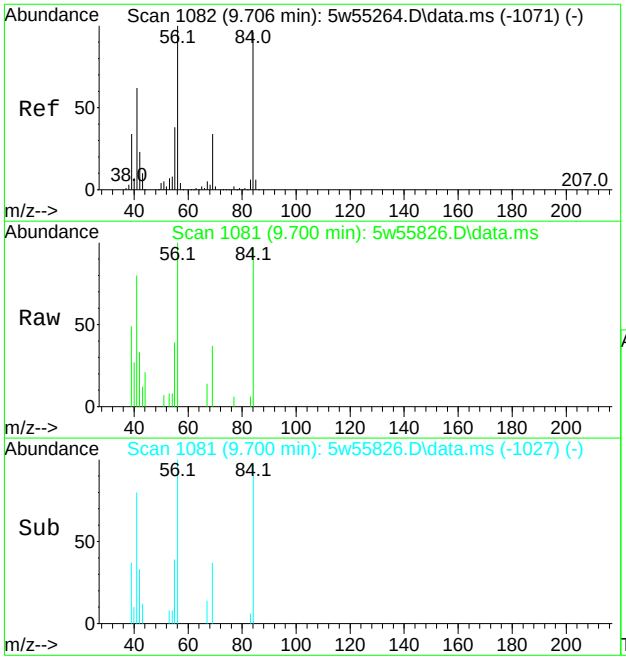




#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 0.0 | 54.0 |
| 52 | 15.2 | 0.0 | 45.6 |

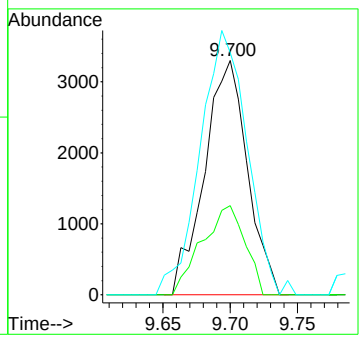


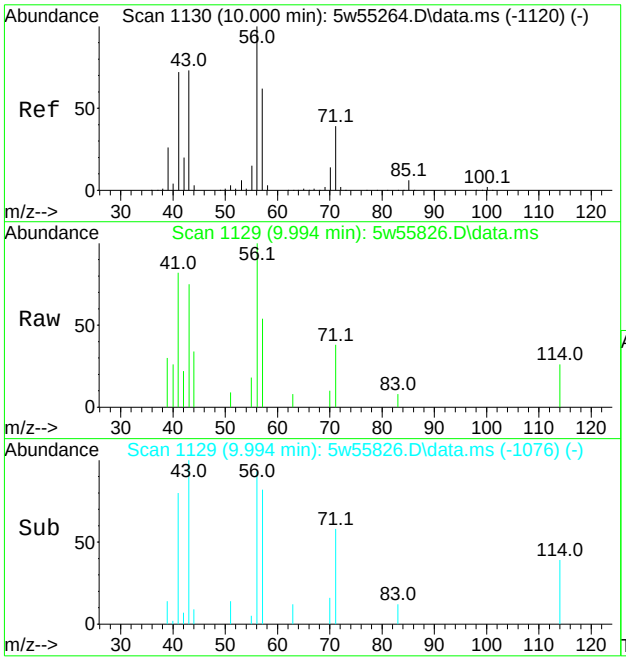



#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.0 | 7.0 | 67.0 |
| 56 | 123.5 | 86.5 | 146.5 |

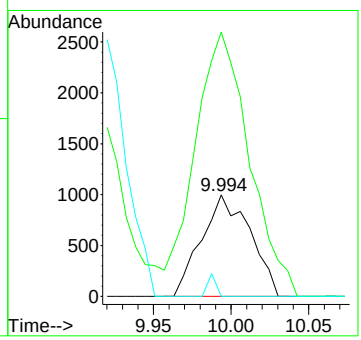


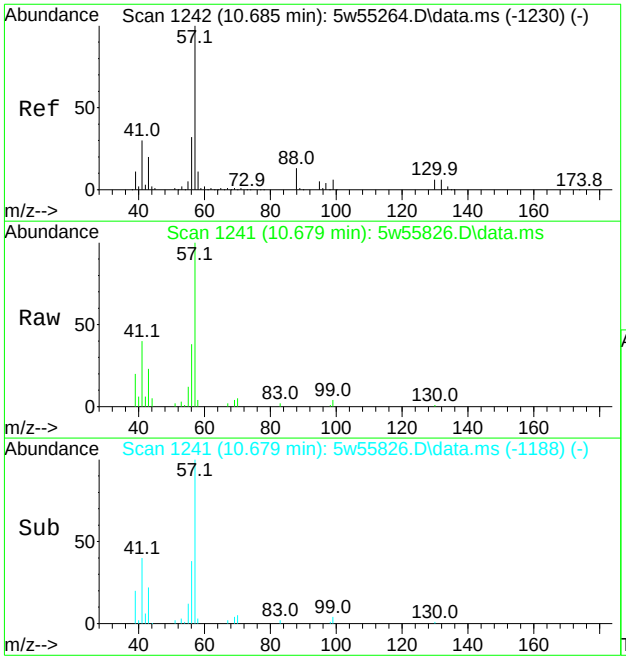




#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.2 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

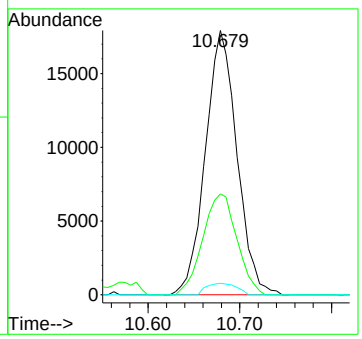


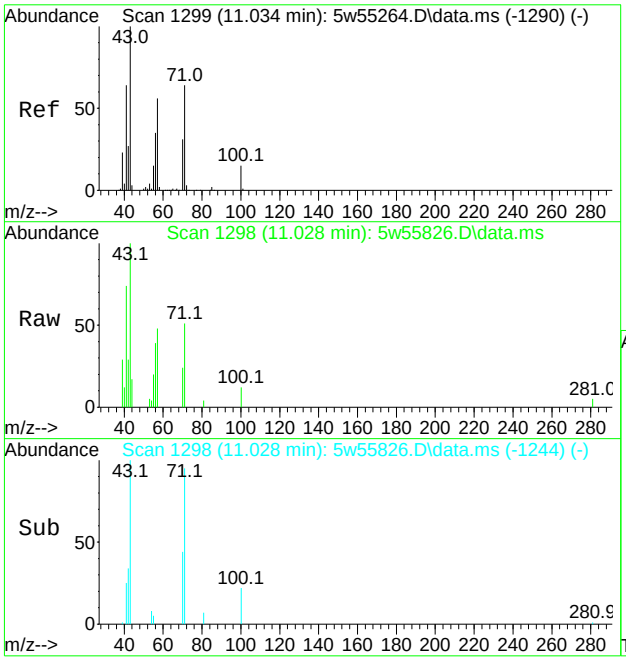



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.2 | 2.2 | 62.2 |
| 99 | 4.1 | 0.0 | 37.6 |

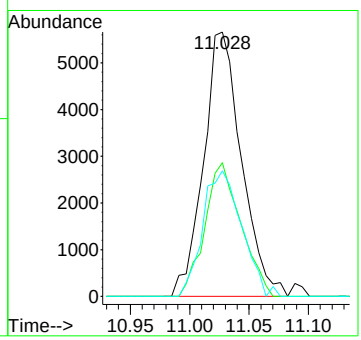


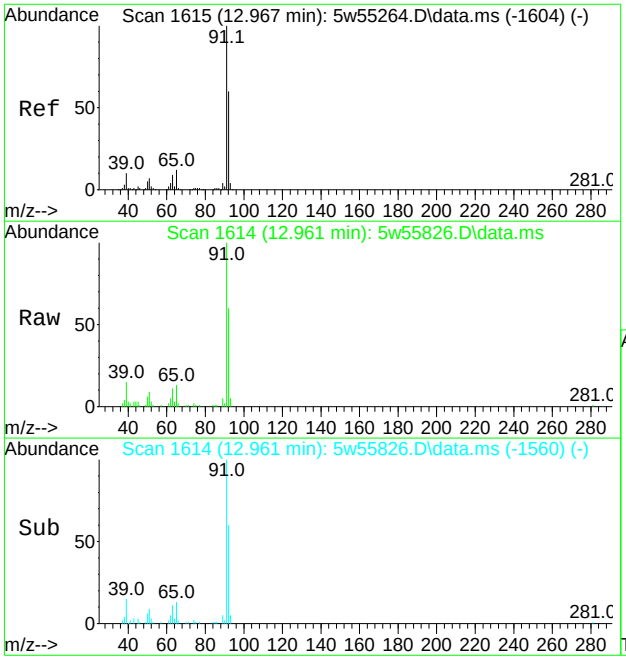




#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 48.0 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

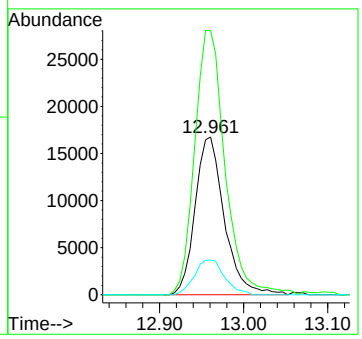


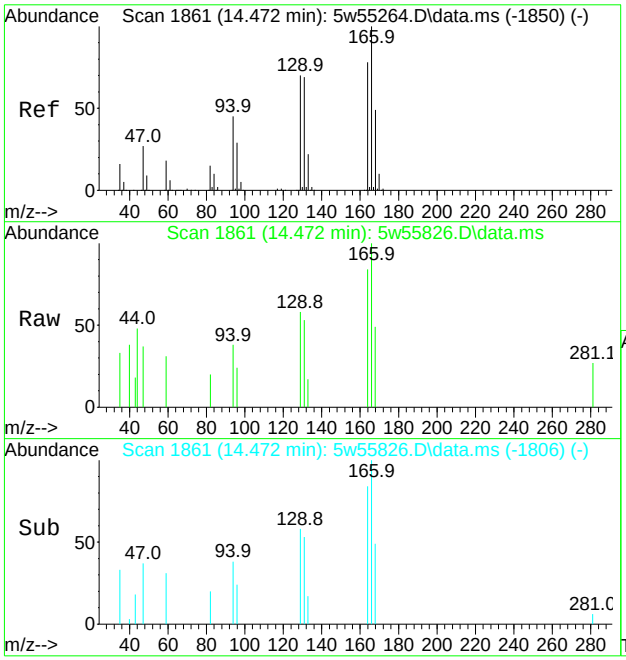



#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.0 | 143.4 | 203.4 |
| 65 | 22.9 | 0.0 | 53.8 |

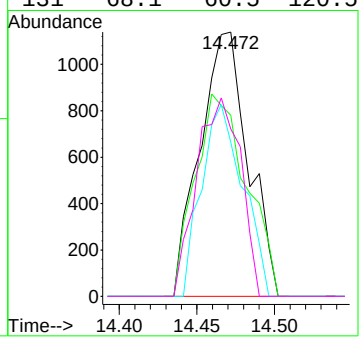


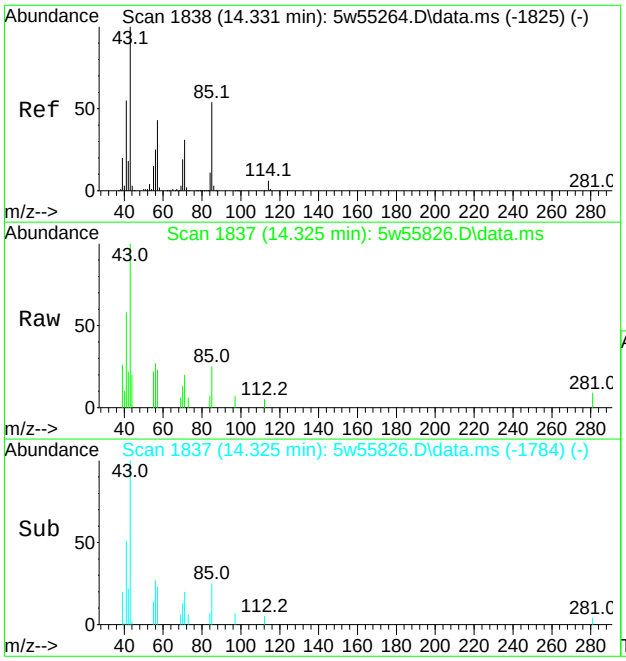




#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 81.1 | 64.4 | 124.4 |
| 168 | 62.3 | 31.2 | 91.2 |
| 131 | 68.1 | 60.5 | 120.5 |

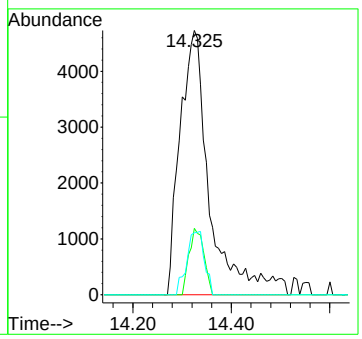


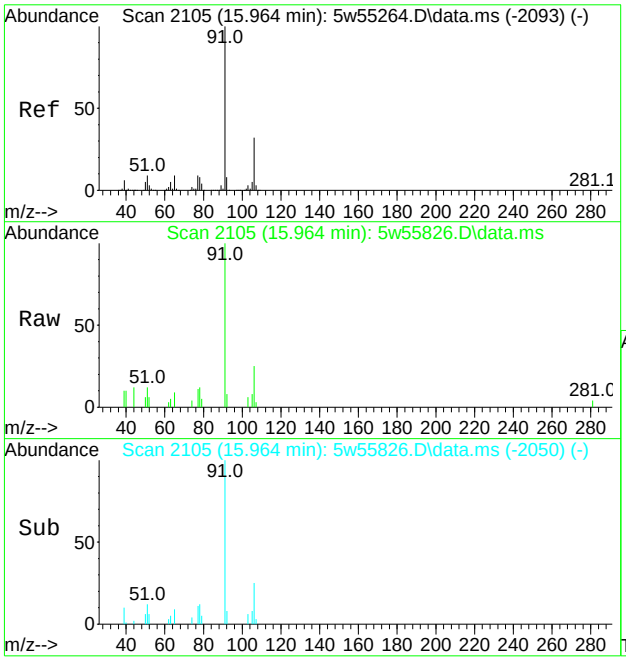



#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 12.6 | 13.7 | 73.7# |
| 57 | 14.3 | 9.9 | 69.9 |

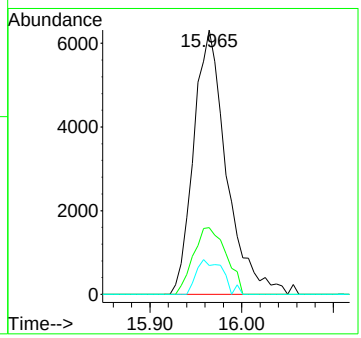


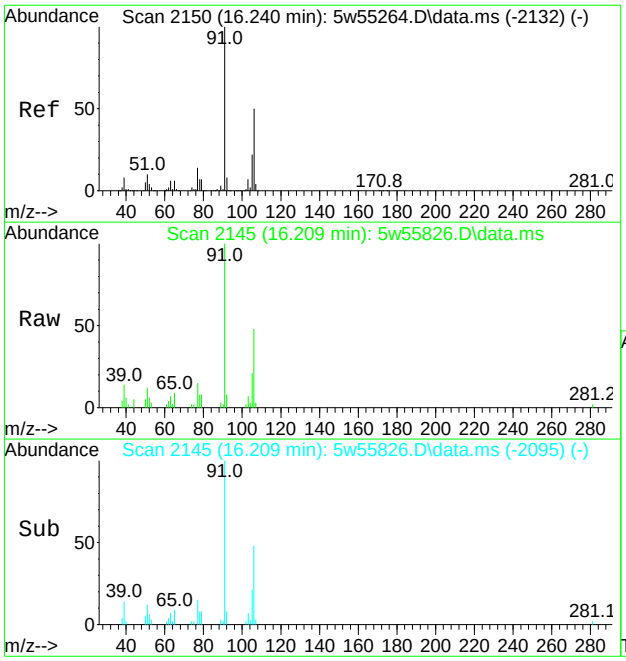




#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.2 | 0.0 | 59.9 |
| 77 | 10.5 | 0.0 | 39.1 |

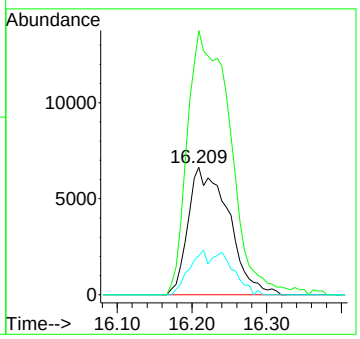


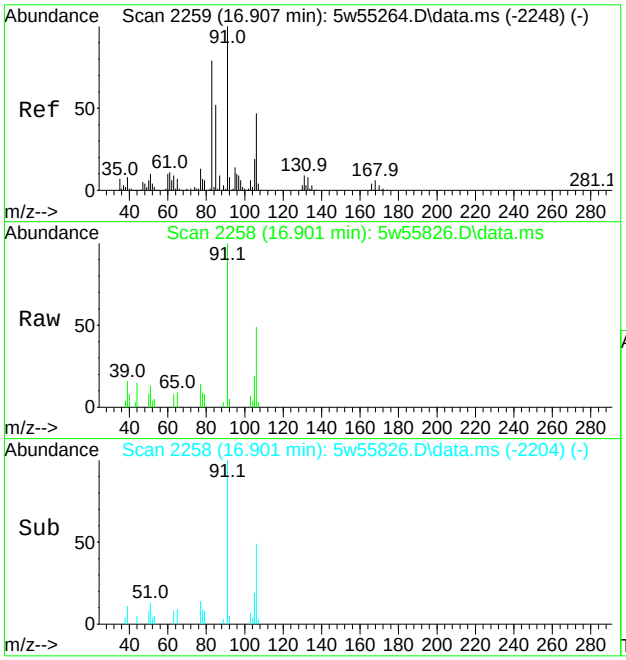



#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 181.2 | 241.2 |
| 77 | 30.6 | 0.1 | 60.1 |

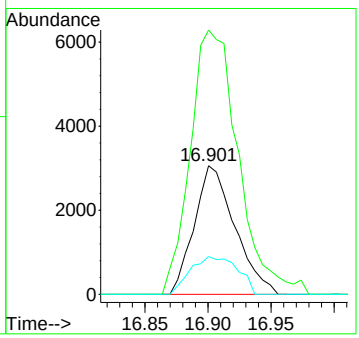


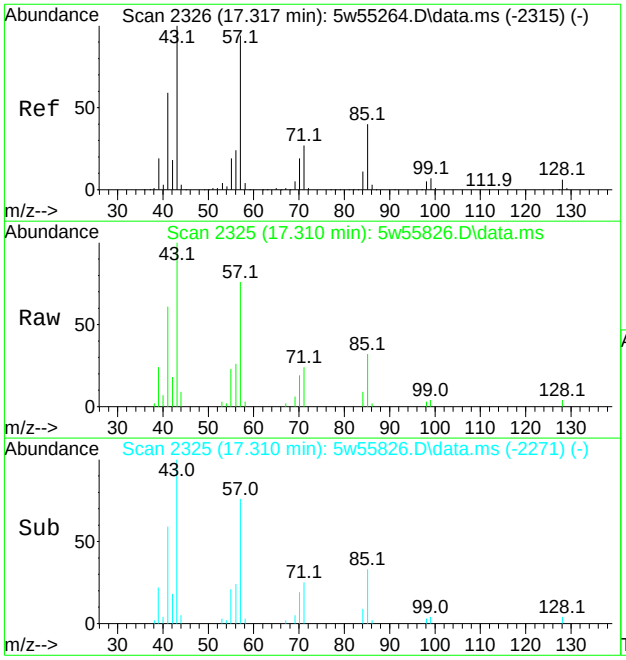




#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 243.0 | 193.4 | 253.4 |
| 77 | 34.1 | 0.0 | 59.8 |

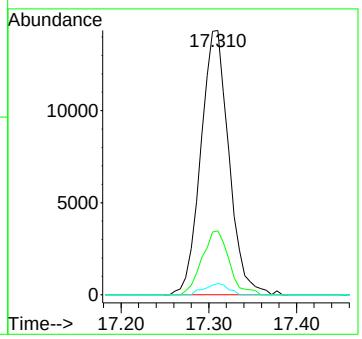


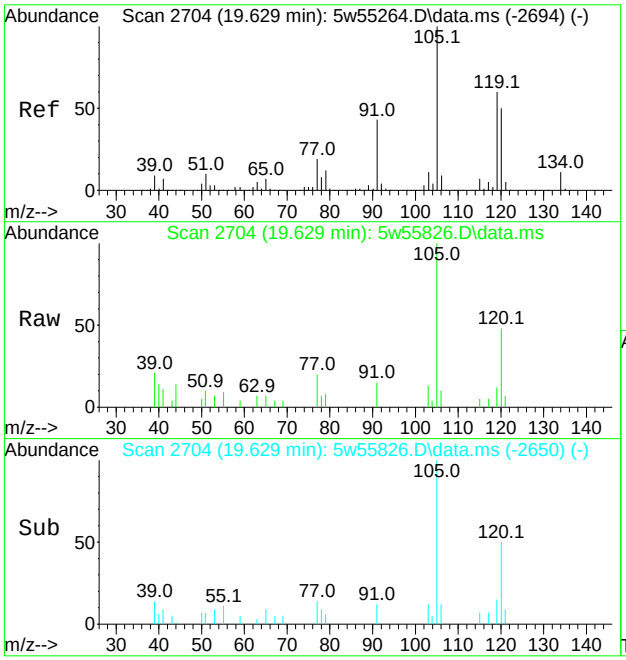



#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 23.4 | 0.0 | 53.8 |
| 128 | 3.6 | 0.0 | 34.3 |

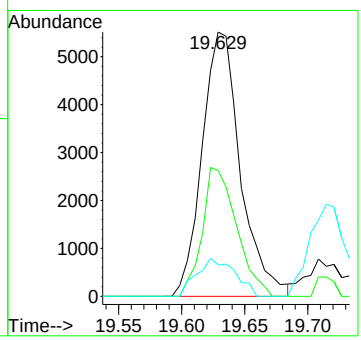


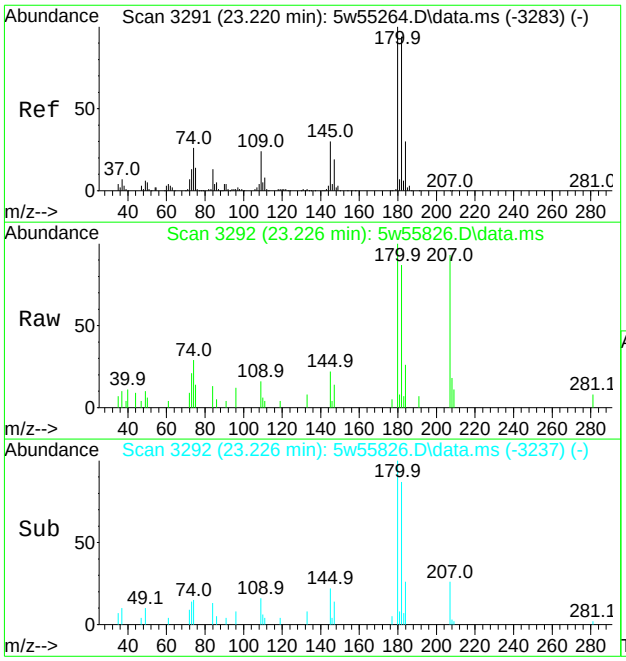




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.6 | 82.6 |
| 119 | 14.3 | 69.7 | 129.7# |

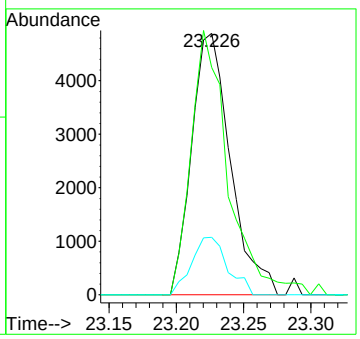


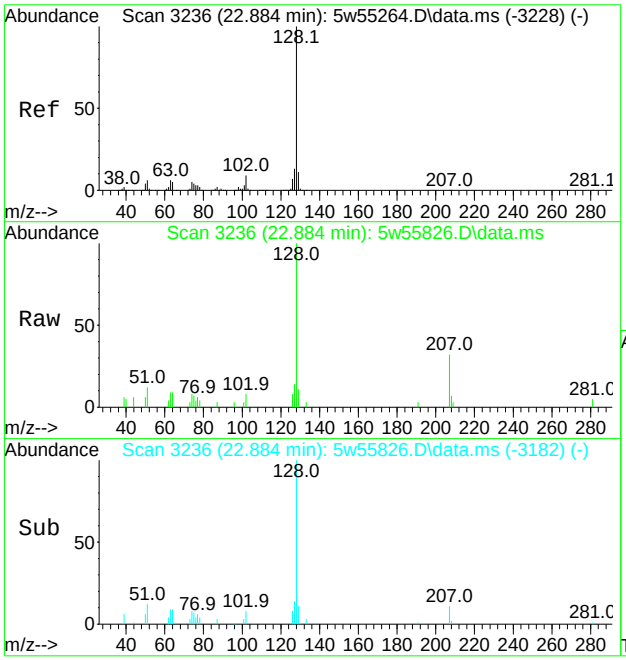



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 66.4 | 126.4 |
| 145 | 20.4 | 0.2 | 60.2 |

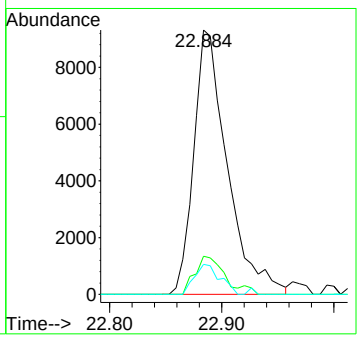



#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 0.0 | 43.1 |
| 129 | 8.7 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

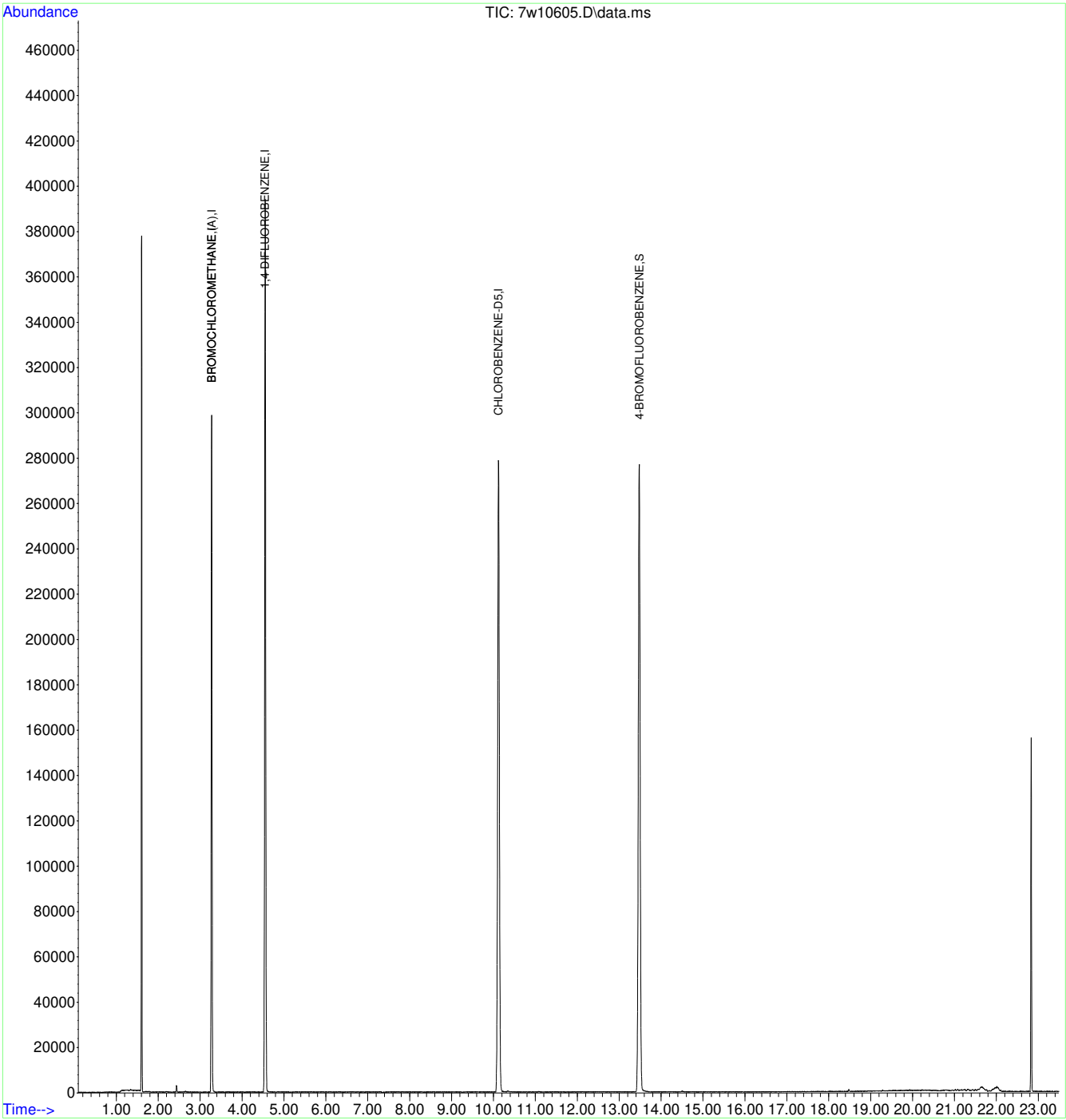
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 303415 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 282366 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 175288 | 8.46 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

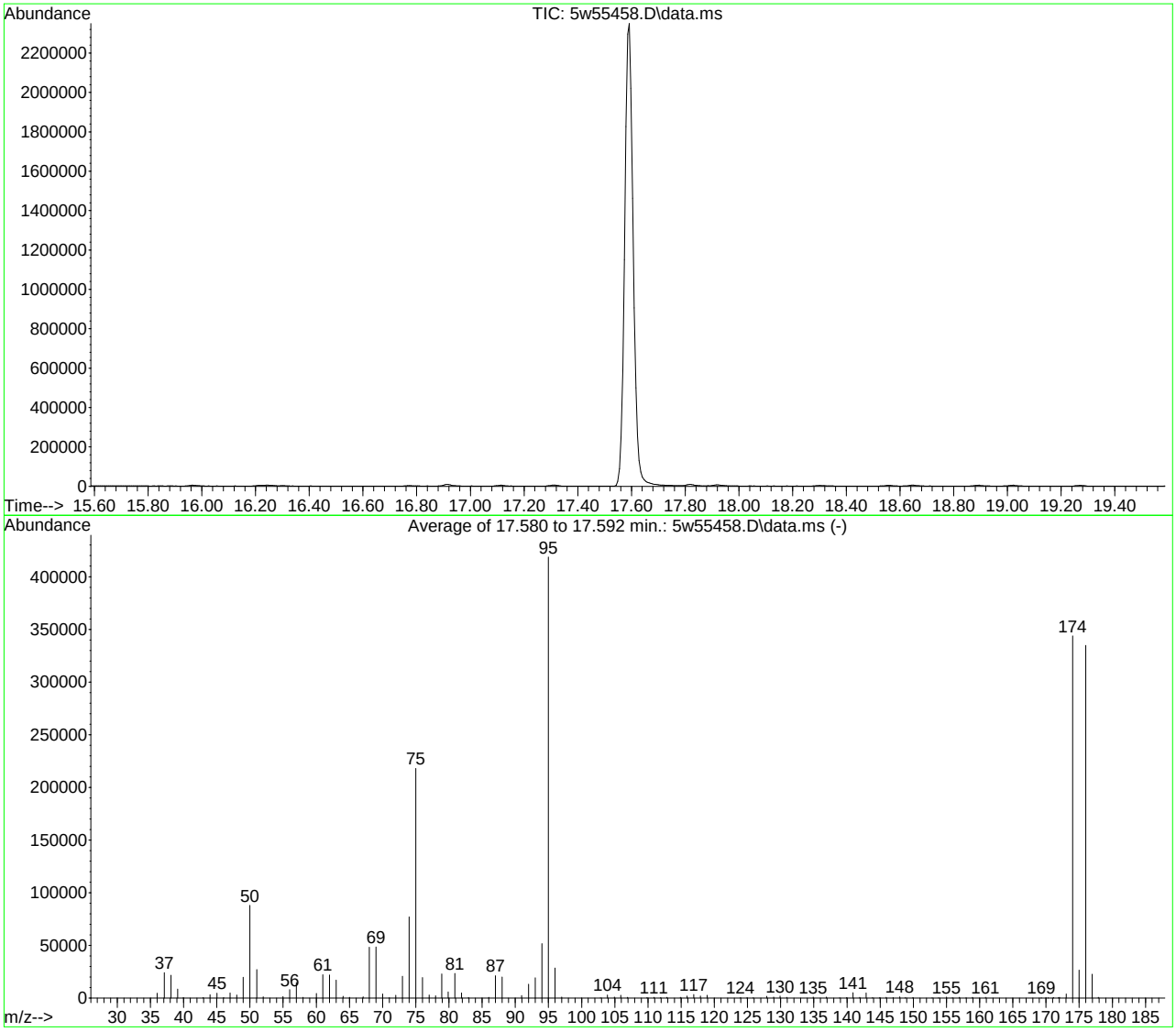
Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D  Vial: 3
Acq On : 9 Dec 2024 3:34 am  Operator: benk
Sample : bfb  Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.0 | 87907 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 218027 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 418581 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 28349 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3695 | PASS |
| 174 | 95 | 50 | 120 | 82.1 | 343765 | PASS |
| 175 | 174 | 4 | 9 | 7.7 | 26424 | PASS |
| 176 | 174 | 93 | 101 | 97.4 | 334720 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 22512 | PASS |

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 4407 | 49.00 | 19752 | 63.00 | 17050 | 75.00 | 218027 |
| 37.10 | 24149 | 50.00 | 87907 | 64.05 | 1657 | 76.00 | 19280 |
| 38.10 | 21723 | 51.05 | 26971 | 65.00 | 509 | 77.00 | 2866 |
| 39.10 | 8398 | 52.00 | 1164 | 67.05 | 1085 | 78.00 | 2061 |
| 39.95 | 461 | 55.00 | 1419 | 68.00 | 48216 | 78.90 | 22733 |
| 42.95 | 285 | 56.00 | 7959 | 69.00 | 48400 | 79.90 | 5787 |
| 44.00 | 3174 | 57.00 | 14433 | 70.00 | 3854 | 80.90 | 23309 |
| 45.05 | 4430 | 58.00 | 691 | 71.00 | 83 | 81.90 | 4746 |
| 46.05 | 362 | 60.00 | 4331 | 72.00 | 2495 | 82.95 | 482 |
| 47.00 | 4807 | 61.00 | 22131 | 73.00 | 20691 | 86.00 | 549 |
| 48.00 | 2719 | 62.00 | 21965 | 74.00 | 77016 | 87.00 | 21008 |

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.00 | 20003 | 105.90 | 2548 | 123.95 | 315 | 140.90 | 5011 |
| 90.95 | 2215 | 106.90 | 509 | 124.90 | 140 | 141.90 | 497 |
| 92.00 | 13106 | 109.85 | 391 | 125.85 | 219 | 142.90 | 4891 |
| 93.00 | 19059 | 110.90 | 592 | 127.90 | 1613 | 143.85 | 348 |
| 94.00 | 51672 | 111.90 | 484 | 128.95 | 795 | 144.95 | 461 |
| 95.00 | 418581 | 112.85 | 566 | 129.90 | 1786 | 145.90 | 568 |
| 96.00 | 28349 | 114.90 | 530 | 130.90 | 598 | 146.95 | 297 |
| 97.00 | 848 | 115.90 | 1936 | 134.90 | 880 | 147.95 | 1090 |
| 102.85 | 239 | 116.90 | 3369 | 136.90 | 963 | 148.80 | 258 |
| 103.90 | 2733 | 117.90 | 1949 | 138.90 | 79 | 149.95 | 436 |
| 104.95 | 754 | 118.90 | 2572 | 139.95 | 354 | 152.85 | 248 |

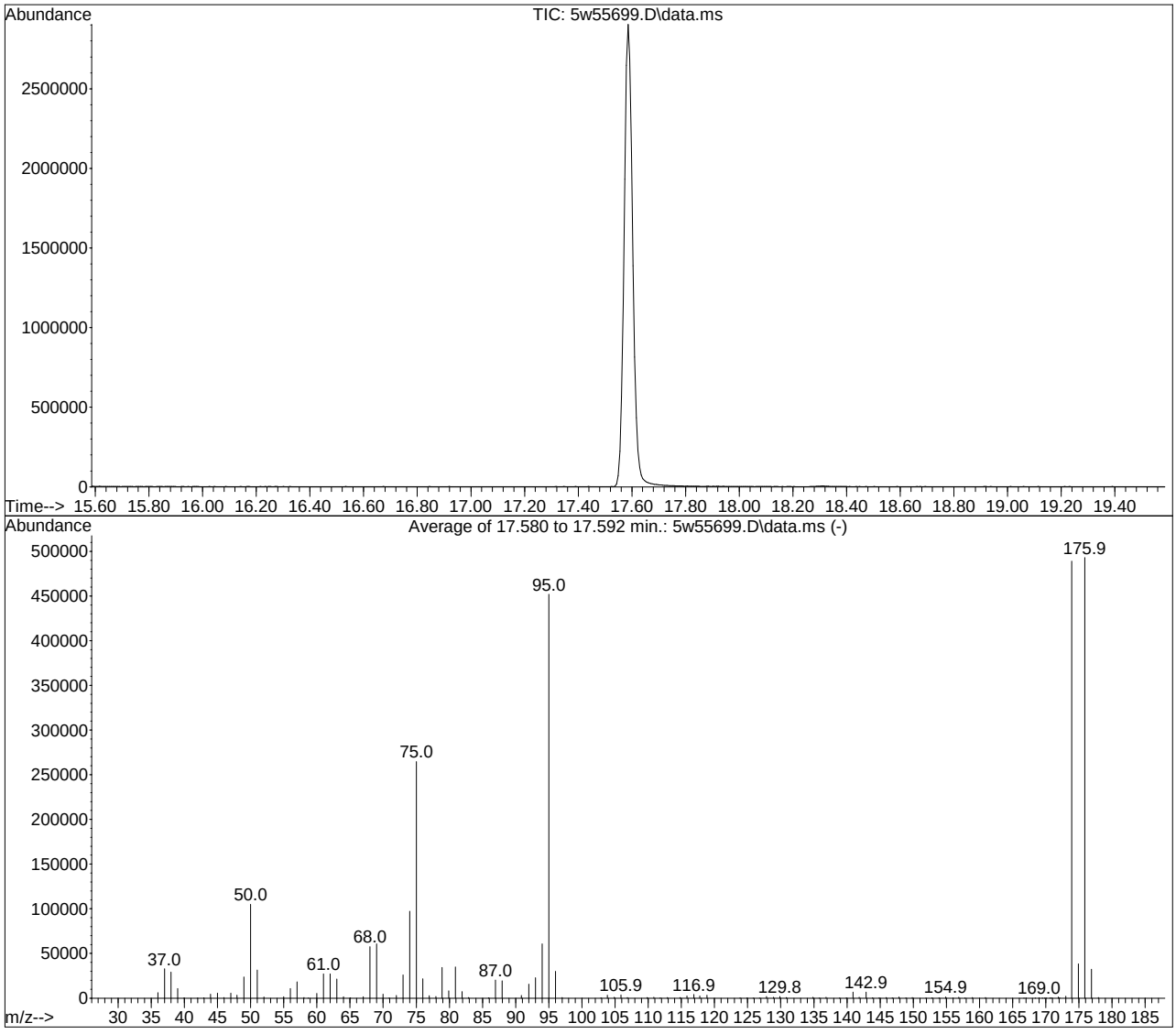
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 153.80 | 101 | 171.90 | 416 | | | | |
| 155.00 | 926 | 172.05 | 748 | | | | |
| 155.90 | 138 | 173.05 | 3695 | | | | |
| 156.95 | 736 | 174.00 | 343765 | | | | |
| 157.95 | 174 | 175.00 | 26424 | | | | |
| 158.90 | 535 | 176.00 | 334720 | | | | |
| 160.90 | 542 | 176.95 | 22512 | | | | |
| 169.30 | 75 | 177.90 | 590 | | | | |
| 170.00 | 113 | | | | | | |
| 170.35 | 183 | | | | | | |
| 171.15 | 260 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 105096 | PASS |
| 75 | 95 | 30 | 66 | 58.6 | 264789 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 452053 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 29944 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2112 | PASS |
| 174 | 95 | 50 | 120 | 108.2 | 488917 | PASS |
| 175 | 174 | 4 | 9 | 7.9 | 38499 | PASS |
| 176 | 174 | 93 | 101 | 100.8 | 492928 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 32312 | PASS |

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6122 | 47.95 | 3333 | 61.00 | 27261 | 73.00 | 25893 |
| 37.00 | 32880 | 49.00 | 23784 | 62.00 | 27029 | 74.00 | 97128 |
| 38.00 | 29173 | 50.00 | 105096 | 63.00 | 21448 | 75.00 | 264789 |
| 39.00 | 10698 | 51.00 | 31357 | 64.00 | 1715 | 76.00 | 21672 |
| 39.95 | 458 | 52.00 | 1362 | 65.05 | 454 | 76.95 | 2719 |
| 42.00 | 70 | 55.00 | 1658 | 67.00 | 1681 | 77.95 | 1788 |
| 42.95 | 414 | 56.00 | 10854 | 68.00 | 57627 | 78.90 | 34237 |
| 43.95 | 4439 | 57.00 | 18149 | 69.00 | 60885 | 79.90 | 8336 |
| 45.00 | 5558 | 58.05 | 704 | 70.00 | 4515 | 80.90 | 35016 |
| 45.95 | 615 | 58.70 | 67 | 70.90 | 159 | 81.90 | 7233 |
| 47.00 | 5559 | 60.00 | 5242 | 72.00 | 3123 | 82.90 | 782 |

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 85.90 | 470 | 103.85 | 3393 | 117.80 | 2408 | 135.80 | 72 |
| 86.95 | 20229 | 104.90 | 995 | 118.85 | 3415 | 136.85 | 1048 |
| 87.95 | 19427 | 105.90 | 3547 | 123.85 | 357 | 138.85 | 187 |
| 90.85 | 2909 | 106.85 | 594 | 124.90 | 68 | 139.90 | 567 |
| 92.00 | 15755 | 109.85 | 600 | 125.85 | 273 | 140.90 | 6636 |
| 93.00 | 22952 | 110.85 | 911 | 126.80 | 93 | 141.85 | 880 |
| 94.00 | 60709 | 111.80 | 536 | 127.85 | 1812 | 142.90 | 6852 |
| 95.00 | 452053 | 112.90 | 865 | 128.90 | 1015 | 143.85 | 425 |
| 96.00 | 29944 | 114.80 | 689 | 129.85 | 1859 | 144.85 | 535 |
| 97.00 | 879 | 115.85 | 2320 | 130.85 | 664 | 145.90 | 870 |
| 102.85 | 434 | 116.90 | 4223 | 134.85 | 994 | 146.85 | 313 |

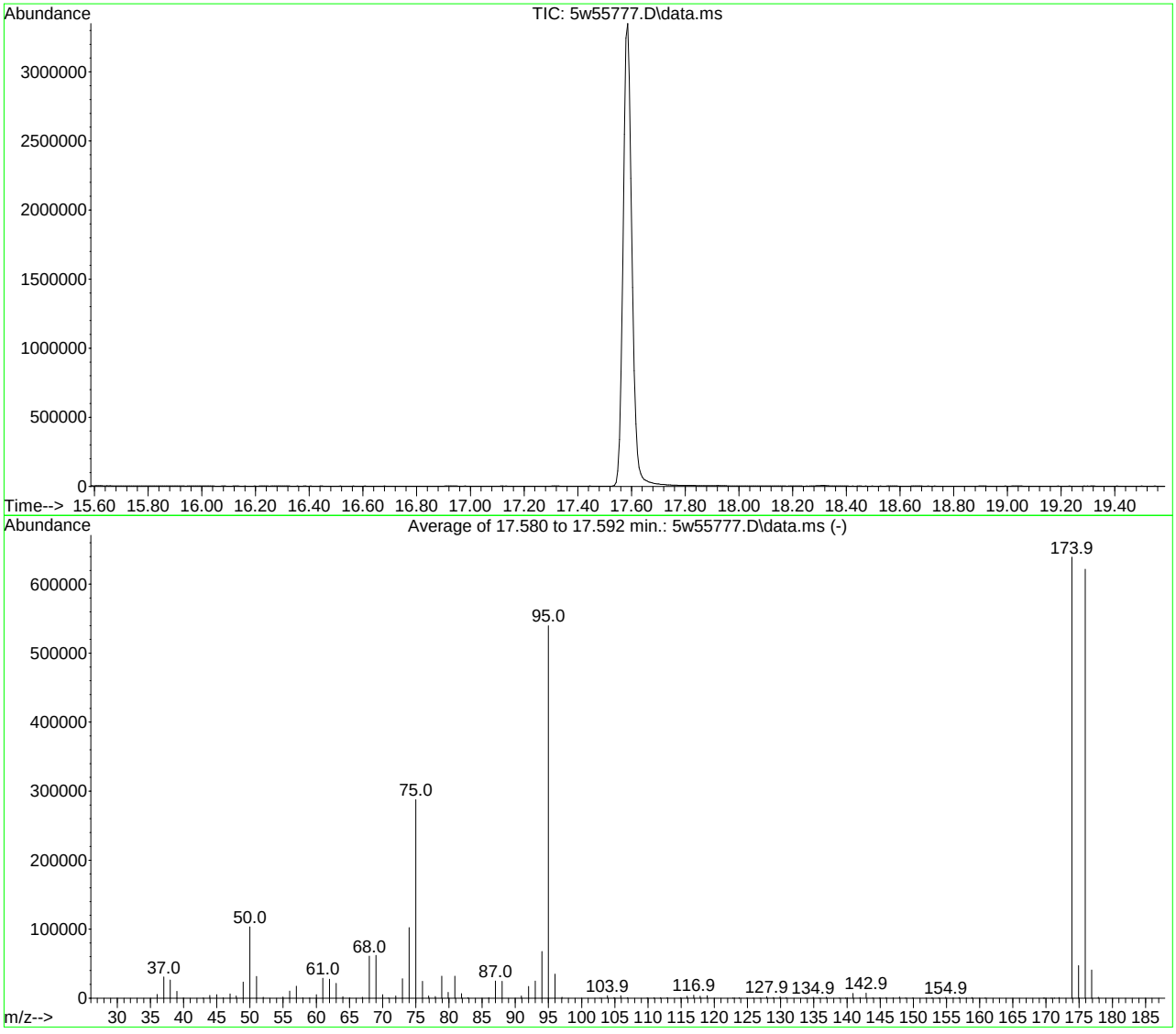
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 147.85 | 1350 | 160.90 | 871 | 172.10 | 526 | | |
| 148.90 | 380 | 166.70 | 73 | 173.00 | 2112 | | |
| 149.85 | 686 | 167.00 | 77 | 173.90 | 488917 | | |
| 151.90 | 234 | 168.40 | 94 | 174.90 | 38499 | | |
| 152.85 | 367 | 169.00 | 316 | 175.90 | 492928 | | |
| 153.90 | 377 | 169.50 | 118 | 176.90 | 32312 | | |
| 154.90 | 1409 | 169.80 | 161 | 177.95 | 825 | | |
| 156.00 | 71 | 170.10 | 175 | | | | |
| 156.85 | 927 | 170.65 | 431 | | | | |
| 157.80 | 91 | 170.90 | 330 | | | | |
| 158.90 | 708 | 171.90 | 1206 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 19.2 | 103472 | PASS |
| 75 | 95 | 30 | 66 | 53.3 | 287701 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 539797 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 34869 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 118.4 | 639147 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 46992 | PASS |
| 176 | 174 | 93 | 101 | 97.3 | 621632 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 40723 | PASS |

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 5375 | 49.00 | 23344 | 62.00 | 27269 | 74.00 | 102227 |
| 37.00 | 30787 | 50.00 | 103472 | 63.00 | 21483 | 75.00 | 287701 |
| 38.00 | 26269 | 51.00 | 31461 | 64.00 | 1926 | 76.00 | 24525 |
| 39.00 | 10012 | 52.00 | 1300 | 65.05 | 376 | 76.95 | 3316 |
| 39.95 | 230 | 55.00 | 1505 | 66.95 | 1457 | 77.95 | 2608 |
| 42.95 | 322 | 56.00 | 10283 | 68.00 | 60795 | 78.90 | 31819 |
| 43.95 | 3977 | 57.00 | 17350 | 69.00 | 61941 | 79.90 | 8424 |
| 45.00 | 4992 | 57.95 | 691 | 70.00 | 5194 | 80.90 | 32005 |
| 45.95 | 566 | 59.00 | 67 | 70.90 | 105 | 81.90 | 6577 |
| 47.00 | 6174 | 60.00 | 5052 | 72.00 | 3099 | 82.85 | 741 |
| 47.95 | 3300 | 61.00 | 28747 | 73.00 | 28032 | 86.00 | 703 |

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.00 | 24803 | 104.90 | 1134 | 118.90 | 3395 | 133.80 | 69 |
| 88.00 | 24416 | 105.90 | 3409 | 122.80 | 78 | 134.90 | 1274 |
| 90.90 | 3221 | 106.90 | 750 | 123.00 | 76 | 135.85 | 266 |
| 92.00 | 16939 | 109.90 | 519 | 123.75 | 421 | 136.90 | 1228 |
| 93.00 | 24885 | 110.90 | 732 | 124.90 | 81 | 138.85 | 295 |
| 94.00 | 67773 | 111.85 | 689 | 125.90 | 285 | 139.80 | 345 |
| 95.00 | 539797 | 112.90 | 839 | 126.90 | 161 | 140.00 | 144 |
| 96.00 | 34869 | 114.90 | 592 | 127.90 | 2190 | 140.90 | 6895 |
| 97.05 | 1187 | 115.90 | 2671 | 128.90 | 1022 | 141.95 | 801 |
| 102.80 | 370 | 116.90 | 4487 | 129.90 | 2123 | 142.90 | 7174 |
| 103.90 | 3707 | 117.85 | 2899 | 130.85 | 871 | 143.90 | 467 |

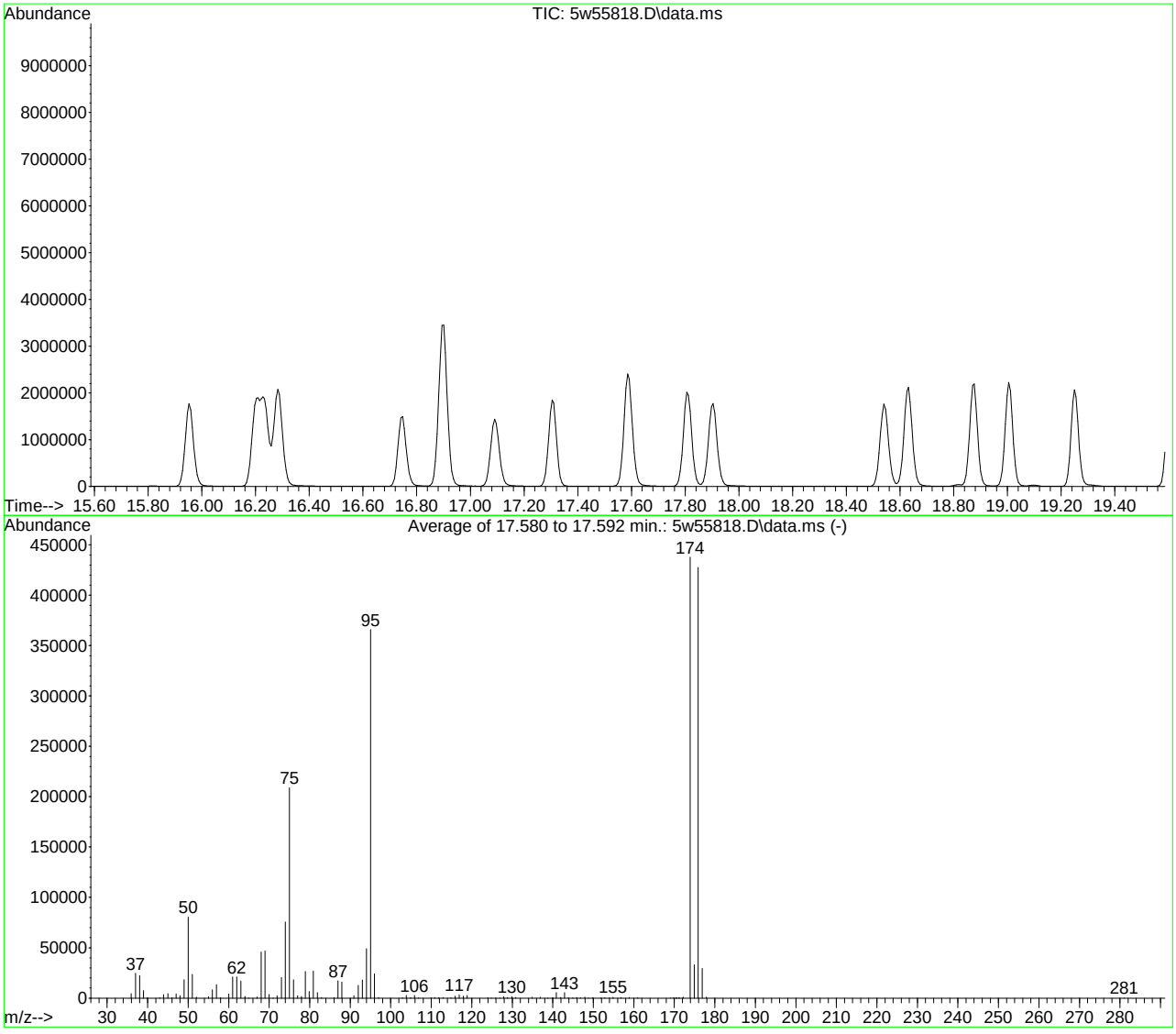
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 144.95 | 579 | 156.90 | 1101 | 175.90 | 621632 | | |
| 145.90 | 919 | 158.00 | 67 | 176.90 | 40723 | | |
| 146.95 | 427 | 158.85 | 850 | 177.90 | 1217 | | |
| 147.90 | 1717 | 160.85 | 732 | | | | |
| 148.85 | 431 | 169.60 | 71 | | | | |
| 149.95 | 611 | 169.80 | 90 | | | | |
| 151.90 | 370 | 170.80 | 212 | | | | |
| 152.85 | 427 | 171.25 | 394 | | | | |
| 153.85 | 384 | 171.95 | 1039 | | | | |
| 154.90 | 1423 | 173.90 | 639147 | | | | |
| 156.00 | 67 | 174.90 | 46992 | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55818.D  Vial: 1
Acq On : 23 Dec 2024 8:13 am  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 22.0 | 80464 | PASS |
| 75 | 95 | 30 | 66 | 57.0 | 208725 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 365867 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 24203 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 119.7 | 437760 | PASS |
| 175 | 174 | 4 | 9 | 7.5 | 33048 | PASS |
| 176 | 174 | 93 | 101 | 97.7 | 427712 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 29384 | PASS |

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 4503 | 49.00 | 18299 | 63.00 | 17013 | 75.00 | 208725 |
| 37.00 | 24683 | 50.00 | 80464 | 64.00 | 1589 | 76.00 | 18344 |
| 38.00 | 22280 | 51.00 | 23667 | 65.00 | 201 | 77.00 | 2501 |
| 39.00 | 7634 | 52.05 | 908 | 67.00 | 1153 | 77.95 | 1660 |
| 39.90 | 331 | 55.00 | 1431 | 68.00 | 45832 | 78.90 | 26499 |
| 43.00 | 451 | 56.00 | 8261 | 69.00 | 46893 | 79.90 | 6497 |
| 43.95 | 3418 | 57.00 | 13481 | 70.00 | 3816 | 80.90 | 26827 |
| 45.00 | 4352 | 58.00 | 494 | 71.00 | 83 | 81.90 | 5505 |
| 46.00 | 443 | 60.00 | 4301 | 71.95 | 2456 | 82.90 | 690 |
| 47.00 | 4319 | 61.00 | 21013 | 73.00 | 20453 | 86.00 | 467 |
| 48.00 | 2550 | 62.00 | 21091 | 74.00 | 75576 | 87.00 | 17270 |

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.95 | 15974 | 105.90 | 2767 | 123.95 | 276 | 139.85 | 222 |
| 90.90 | 2419 | 106.90 | 525 | 124.80 | 68 | 140.10 | 125 |
| 92.00 | 12633 | 109.90 | 511 | 125.90 | 67 | 140.90 | 5477 |
| 93.00 | 17995 | 110.90 | 660 | 126.90 | 79 | 141.95 | 763 |
| 94.00 | 49232 | 111.85 | 484 | 127.85 | 1357 | 142.90 | 5567 |
| 95.00 | 365867 | 112.90 | 696 | 128.85 | 675 | 143.85 | 317 |
| 96.00 | 24203 | 114.90 | 483 | 129.90 | 1540 | 144.90 | 420 |
| 97.00 | 677 | 115.90 | 1917 | 130.85 | 536 | 145.85 | 584 |
| 102.90 | 310 | 116.90 | 3074 | 134.90 | 997 | 146.85 | 313 |
| 103.85 | 2628 | 117.90 | 1957 | 136.90 | 827 | 147.90 | 1036 |
| 104.90 | 735 | 118.90 | 2598 | 138.80 | 80 | 148.80 | 270 |

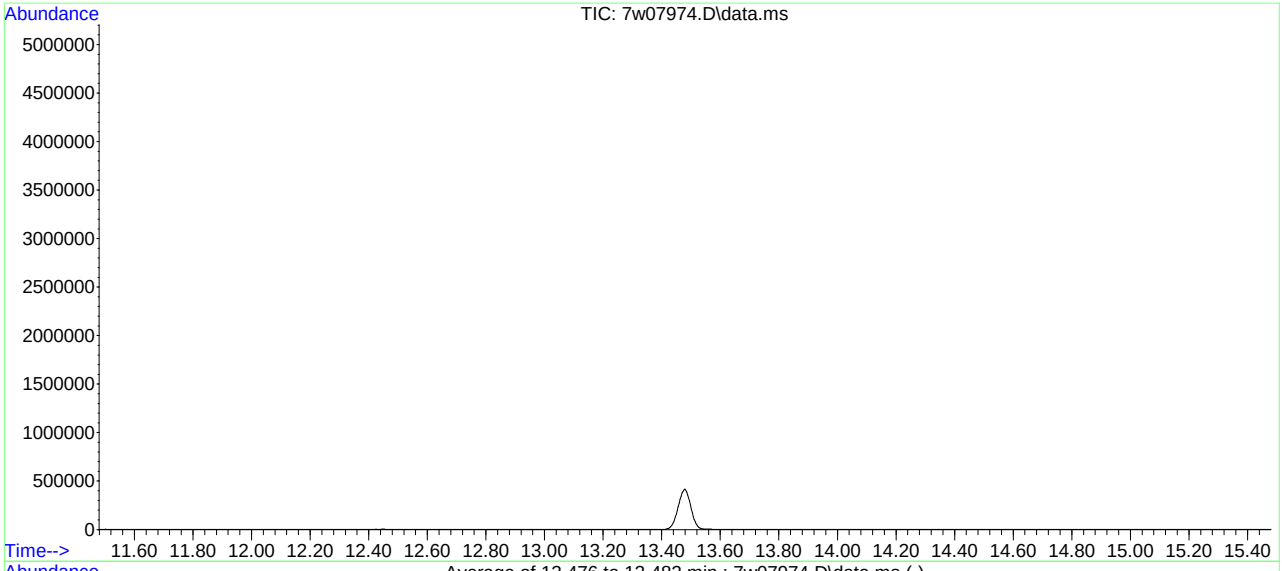
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 149.85 | 533 | 170.40 | 317 | | | | |
| 151.85 | 150 | 170.60 | 208 | | | | |
| 152.85 | 293 | 171.10 | 283 | | | | |
| 153.95 | 255 | 171.40 | 234 | | | | |
| 154.90 | 1037 | 172.20 | 838 | | | | |
| 156.85 | 732 | 173.90 | 437760 | | | | |
| 158.90 | 596 | 174.95 | 33048 | | | | |
| 160.95 | 599 | 175.90 | 427712 | | | | |
| 169.00 | 240 | 176.90 | 29384 | | | | |
| 169.65 | 206 | 177.90 | 828 | | | | |
| 170.00 | 99 | 281.05 | 180 | | | | |

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D  Vial: 1
Acq On : 18 Aug 2024 9:06 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w305,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 20443 | PASS |
| 75 | 95 | 30 | 66 | 51.7 | 43320 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 83736 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 5915 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 627 | PASS |
| 174 | 95 | 50 | 120 | 73.5 | 61525 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 4526 | PASS |
| 176 | 174 | 93 | 101 | 95.5 | 58768 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3856 | PASS |

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 954 | 50.00 | 20443 | 64.00 | 287 | 77.90 | 308 |
| 37.00 | 5028 | 51.00 | 6530 | 67.05 | 196 | 78.90 | 2955 |
| 38.00 | 4273 | 52.00 | 277 | 68.00 | 8935 | 79.90 | 767 |
| 39.05 | 1813 | 55.05 | 302 | 69.00 | 9076 | 80.90 | 3037 |
| 43.00 | 64 | 55.95 | 1451 | 70.00 | 861 | 81.85 | 668 |
| 44.00 | 709 | 57.00 | 2901 | 71.85 | 499 | 82.80 | 43 |
| 45.00 | 966 | 58.05 | 156 | 73.00 | 3880 | 83.10 | 21 |
| 46.15 | 74 | 60.00 | 997 | 74.00 | 15013 | 85.90 | 103 |
| 46.95 | 1367 | 61.00 | 4528 | 75.00 | 43320 | 86.95 | 3242 |
| 47.95 | 630 | 62.00 | 4774 | 76.00 | 3458 | 87.95 | 2880 |
| 49.00 | 4424 | 63.00 | 3558 | 77.00 | 539 | 90.85 | 322 |

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2543 | 110.70 | 18 | 127.80 | 278 | 142.90 | 820 |
| 93.00 | 3598 | 111.05 | 100 | 128.70 | 51 | 144.00 | 19 |
| 94.00 | 10531 | 111.85 | 87 | 128.85 | 135 | 145.10 | 22 |
| 95.00 | 83736 | 112.80 | 110 | 129.85 | 322 | 145.90 | 187 |
| 96.00 | 5915 | 114.85 | 70 | 130.85 | 96 | 146.70 | 18 |
| 96.95 | 196 | 115.85 | 319 | 134.75 | 134 | 147.90 | 227 |
| 103.90 | 411 | 116.85 | 545 | 136.90 | 163 | 148.70 | 25 |
| 104.80 | 147 | 117.85 | 347 | 139.70 | 38 | 149.85 | 79 |
| 105.85 | 388 | 118.85 | 467 | 139.90 | 58 | 151.90 | 22 |
| 106.90 | 91 | 123.80 | 42 | 140.90 | 764 | 154.80 | 150 |
| 109.80 | 78 | 126.90 | 18 | 141.85 | 63 | 156.90 | 122 |

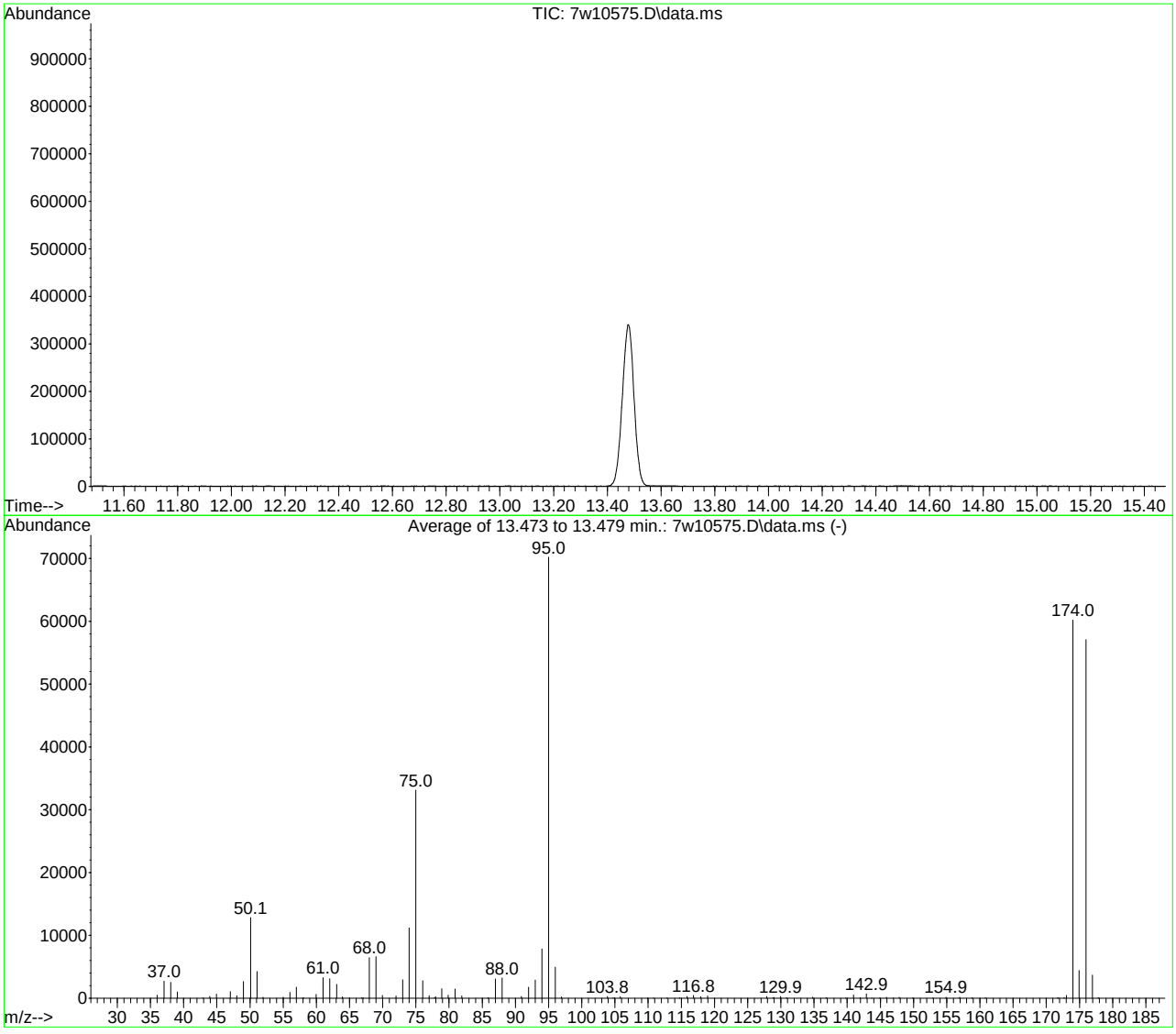
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 158.70 | 34 | | | | | | |
| 158.85 | 62 | | | | | | |
| 160.80 | 94 | | | | | | |
| 171.90 | 37 | | | | | | |
| 173.05 | 627 | | | | | | |
| 173.90 | 61525 | | | | | | |
| 174.90 | 4526 | | | | | | |
| 175.90 | 58768 | | | | | | |
| 176.90 | 3856 | | | | | | |
| 177.85 | 99 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.3 | 12830 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 33101 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70203 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 4918 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 423 | PASS |
| 174 | 95 | 50 | 120 | 85.7 | 60187 | PASS |
| 175 | 174 | 4 | 9 | 7.3 | 4410 | PASS |
| 176 | 174 | 93 | 101 | 94.8 | 57075 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3652 | PASS |

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 475 | 51.05 | 4235 | 63.90 | 177 | 76.05 | 2751 |
| 37.05 | 2709 | 51.95 | 158 | 65.00 | 37 | 77.00 | 389 |
| 38.05 | 2533 | 55.00 | 140 | 66.85 | 109 | 77.80 | 90 |
| 39.05 | 947 | 56.00 | 916 | 67.10 | 37 | 77.95 | 221 |
| 42.90 | 23 | 57.00 | 1757 | 68.00 | 6431 | 78.90 | 1509 |
| 43.95 | 261 | 57.90 | 27 | 69.00 | 6603 | 79.85 | 467 |
| 44.95 | 636 | 58.10 | 20 | 69.95 | 418 | 80.90 | 1455 |
| 47.05 | 1056 | 59.95 | 592 | 72.00 | 348 | 81.90 | 341 |
| 48.00 | 407 | 61.00 | 3253 | 73.00 | 2933 | 85.85 | 76 |
| 49.00 | 2644 | 62.00 | 3100 | 74.00 | 11184 | 87.00 | 3069 |
| 50.10 | 12830 | 63.05 | 2183 | 75.00 | 33101 | 88.00 | 3197 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 90.90 | 255 | 109.90 | 18 | 129.95 | 257 | 146.90 | 19 |
| 92.00 | 1740 | 110.80 | 17 | 130.85 | 68 | 147.85 | 138 |
| 93.00 | 2896 | 112.80 | 29 | 134.80 | 126 | 149.90 | 44 |
| 94.00 | 7840 | 114.75 | 68 | 136.80 | 115 | 152.90 | 28 |
| 95.00 | 70203 | 115.85 | 259 | 139.80 | 18 | 154.90 | 165 |
| 96.00 | 4918 | 116.85 | 426 | 140.95 | 528 | 156.95 | 137 |
| 96.95 | 169 | 117.90 | 226 | 141.95 | 63 | 158.80 | 72 |
| 103.85 | 284 | 118.95 | 352 | 142.90 | 664 | 160.80 | 50 |
| 104.70 | 19 | 127.85 | 254 | 143.70 | 17 | 171.70 | 27 |
| 104.90 | 64 | 128.80 | 58 | 144.90 | 40 | 171.85 | 79 |
| 105.80 | 241 | 128.95 | 102 | 145.90 | 126 | 172.70 | 98 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 173.05 | 423 | | | | | | |
| 174.00 | 60187 | | | | | | |
| 174.95 | 4410 | | | | | | |
| 176.00 | 57075 | | | | | | |
| 176.95 | 3652 | | | | | | |
| 177.85 | 105 | | | | | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 339655 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1562017 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 815644 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 339655 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 987267 | 10.65 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 2172 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 1042 | 0.04 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 402 | 0.03 | PPBV | # | 42 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 2393 | 0.04 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 5059 | 0.04 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 1813 | 0.06 | PPBV | # | 71 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 5772 | 0.05 | PPBV | | 93 |
| 9) FREON 114 | 3.839 | 85 | 6871 | 0.04 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.778 | 52 | 563 | 0.04 | PPBV | # | 19 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2457 | 0.04 | PPBV | # | 88 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 2084 | 0.06 | PPBV | # | 65 |
| 15) CHLOROETHANE | 4.365 | 64 | 1195 | 0.05 | PPBV | | 73 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 6506 | 0.05 | PPBV | # | 97 |
| 19) FREON 123 | 4.739 | 83 | 6283 | 0.05 | PPBV | # | 69 |
| 20) FREON 123A | 4.782 | 117 | 3192 | 0.05 | PPBV | # | 67 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 4659 | 0.04 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 1715 | 0.05 | PPBV | | 85 |
| 25) IODOMETHANE | 5.424 | 142 | 3839 | 0.04 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.491 | 96 | 1503 | 0.04 | PPBV | | 85 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 3987 | 0.04 | PPBV | # | 71 |
| 29) BROMOETHENE | 4.629 | 106 | 2097 | 0.04 | PPBV | # | 72 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1675 | 0.05 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 558 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.822 | 151 | 2213 | 0.04 | PPBV | | 85 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1478 | 0.04 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.662 | 59 | 2332 | 0.03 | PPBV | # | 69 |
| 36) METHYL TERTIARY BUTYL ... | 6.806 | 73 | 3795 | 0.04 | PPBV | | 88 |
| 38) HEXANE | 7.706 | 57 | 1901 | 0.03 | PPBV | # | 76 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 2879 | 0.04 | PPBV | | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 1626 | 0.04 | PPBV | | 83 |
| 46) CHLOROFORM | 7.810 | 83 | 3517 | 0.04 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2035 | 0.03 | PPBV | | 84 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 3477 | 0.04 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 3442 | 0.04 | PPBV | | 88 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 2033 | 0.03 | PPBV | # | 91 |
| 52) BENZENE | 9.400 | 78 | 4500 | 0.04 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 1364 | 0.03 | PPBV | | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 683 | 0.03 | PPBV | # | 38 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 2173 | 0.04 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 1879 | 0.04 | PPBV | | 67 |
| 57) DIBROMOMETHANE | 10.349 | 174 | 2796 | 0.05 | PPBV | | 95 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 3467 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 6036 | 0.03 | PPBV | # | 91 |
| 62) HEPTANE | 11.040 | 43 | 2264 | 0.03 | PPBV | | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.756 | 75 | 2163 | 0.03 | PPBV | | 73 |
| 66) TOLUENE | 12.979 | 92 | 2538 | 0.03 | PPBV | | 95 |
| 67) 1,3-DICHLOROPROPANE | 13.028 | 76 | 2245 | 0.03 | PPBV | # | 80 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

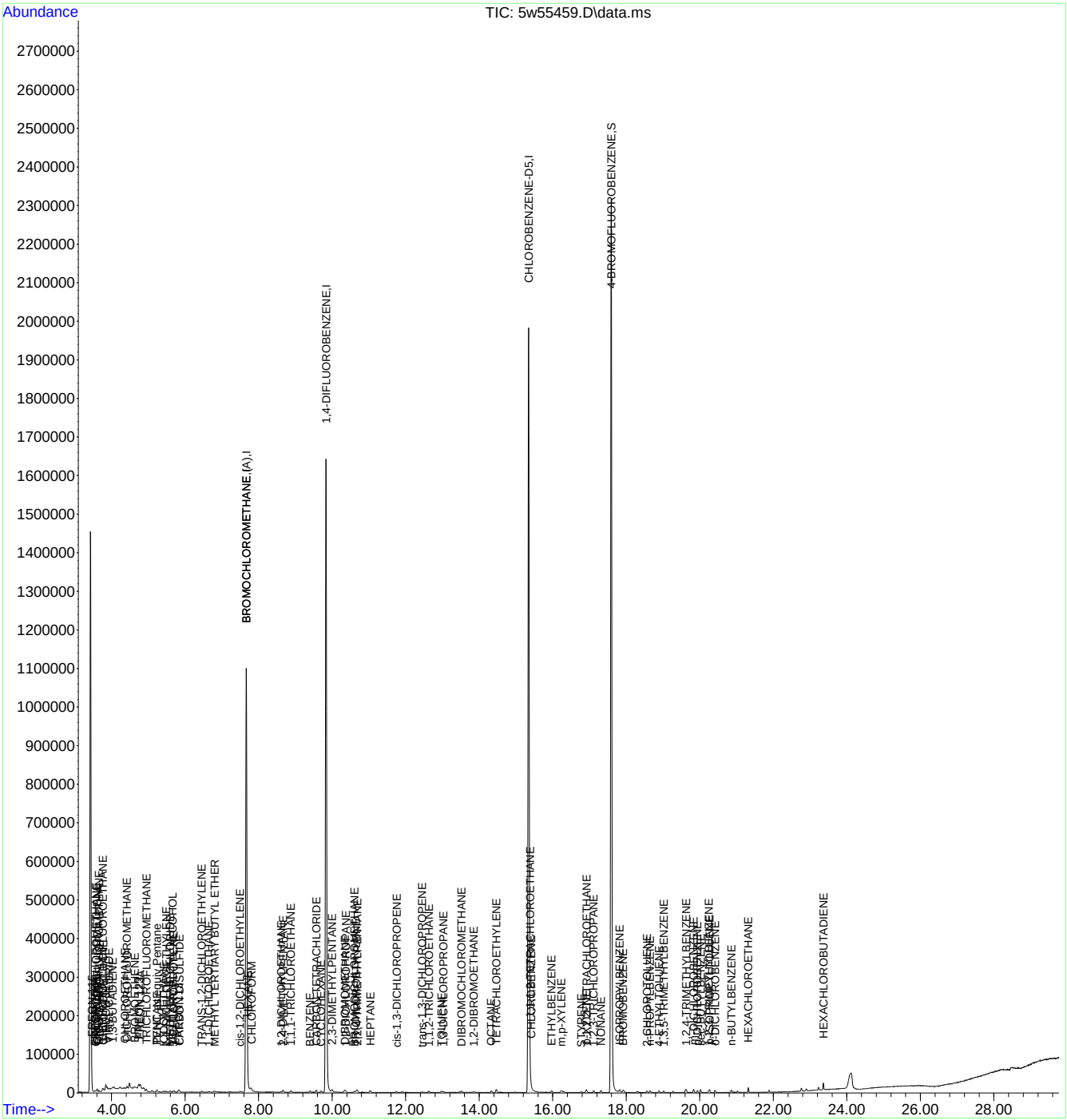
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 68) | trans-1,3-DICHLOROPROPENE | 12.441 | 75 | 1621 | 0.02 | PPBV | # | 72 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.631 | 83 | 1711 | 0.03 | PPBV | | 91 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 2289 | 0.04 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 2451 | 0.02 | PPBV | | 92 |
| 75) | 1,2-DIBROMOETHANE | 13.848 | 107 | 2444 | 0.03 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 2490 | 0.03 | PPBV | | 88 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 2034 | 0.03 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 4300 | 0.04 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.971 | 91 | 5680 | 0.03 | PPBV | | 91 |
| 80) | m,p-XYLENE | 16.234 | 106 | 3582 | 0.05 | PPBV | # | 78 |
| 81) | o-XYLENE | 16.913 | 106 | 1696 | 0.03 | PPBV | | 91 |
| 82) | STYRENE | 16.778 | 104 | 2235 | 0.02 | PPBV | | 85 |
| 83) | NONANE | 17.311 | 43 | 2668 | 0.03 | PPBV | # | 83 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.925 | 83 | 4487 | 0.04 | PPBV | # | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 3082 | 0.04 | PPBV | | 85 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 6235 | 0.03 | PPBV | | 95 |
| 89) | BROMOBENZENE | 17.916 | 77 | 3942 | 0.04 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.565 | 126 | 1257 | 0.03 | PPBV | | 59 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 1200 | 0.02 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 4926 | 0.03 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 4056 | 0.03 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 4381 | 0.03 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 3796 | 0.03 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 3500 | 0.03 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 1089 | 0.03 | PPBV | # | 90 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4328 | 0.03 | PPBV | # | 95 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1184 | 0.02 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.418 | 146 | 3642 | 0.03 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 927 | 0.02 | PPBV | # | 53 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2307 | 0.03 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 3647 | 0.03 | PPBV | | 91 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 13331 | 0.06 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 333430 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1533309 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 804190 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 333430 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985635 | 10.78 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.472 | 119 | 5523 | 0.10 | PPBV | | 97 |
| 3) FREON 152A | 3.552 | 65 | 2440 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.588 | 67 | 1205 | 0.09 | PPBV | | 74 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 5398 | 0.09 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12499 | 0.10 | PPBV | | 99 |
| 7) PROPYLENE | 3.607 | 41 | 3754 | 0.13 | PPBV | | 84 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 13615 | 0.11 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 17687 | 0.12 | PPBV | | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1884 | 0.12 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 5930 | 0.11 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 4083 | 0.11 | PPBV | # | 72 |
| 13) n-BUTANE | 4.072 | 43 | 9842 | 0.15 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 8281 | 0.15 | PPBV | | 91 |
| 15) CHLOROETHANE | 4.365 | 64 | 2881 | 0.12 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 14568 | 0.12 | PPBV | | 97 |
| 17) ACETONITRILE | 4.647 | 41 | 4678 | 0.12 | PPBV | # | 65 |
| 18) ACROLEIN | 4.739 | 56 | 2049 | 0.11 | PPBV | # | 1 |
| 19) FREON 123 | 4.739 | 83 | 14828 | 0.12 | PPBV | | 96 |
| 20) FREON 123A | 4.788 | 117 | 7831 | 0.12 | PPBV | | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 11923 | 0.11 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.093 | 45 | 9920 | 0.14 | PPBV | | 92 |
| 24) PENTANE | 5.240 | 42 | 3946 | 0.11 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 9585 | 0.10 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 3785 | 0.11 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.858 | 76 | 10145 | 0.10 | PPBV | | 92 |
| 29) BROMOETHENE | 4.622 | 106 | 5236 | 0.10 | PPBV | | 91 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 3905 | 0.11 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.705 | 76 | 1660 | 0.10 | PPBV | # | 52 |
| 33) FREON 113 | 5.828 | 151 | 6007 | 0.10 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 4040 | 0.11 | PPBV | | 81 |
| 35) TERTIARY BUTYL ALCOHOL | 5.650 | 59 | 6051 | 0.08 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 6.794 | 73 | 8939 | 0.09 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.366 | 72 | 939 | 0.06 | PPBV | # | 61 |
| 38) HEXANE | 7.712 | 57 | 4501 | 0.08 | PPBV | | 85 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 7146 | 0.10 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.155 | 72 | 815 | 0.05 | PPBV | # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 4154 | 0.10 | PPBV | | 84 |
| 43) DIISOPROPYL ETHER | 7.779 | 59 | 1194 | 0.07 | PPBV | # | 60 |
| 44) ETHYL ACETATE | 7.834 | 61 | 535 | 0.04 | PPBV | # | 38 |
| 46) CHLOROFORM | 7.810 | 83 | 8944 | 0.10 | PPBV | | 91 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5058 | 0.08 | PPBV | | 87 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 9054 | 0.10 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8961 | 0.09 | PPBV | | 97 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 5541 | 0.09 | PPBV | | 96 |
| 52) BENZENE | 9.400 | 78 | 10879 | 0.09 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.706 | 84 | 3668 | 0.08 | PPBV | | 94 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 1964 | 0.08 | PPBV | # | 73 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

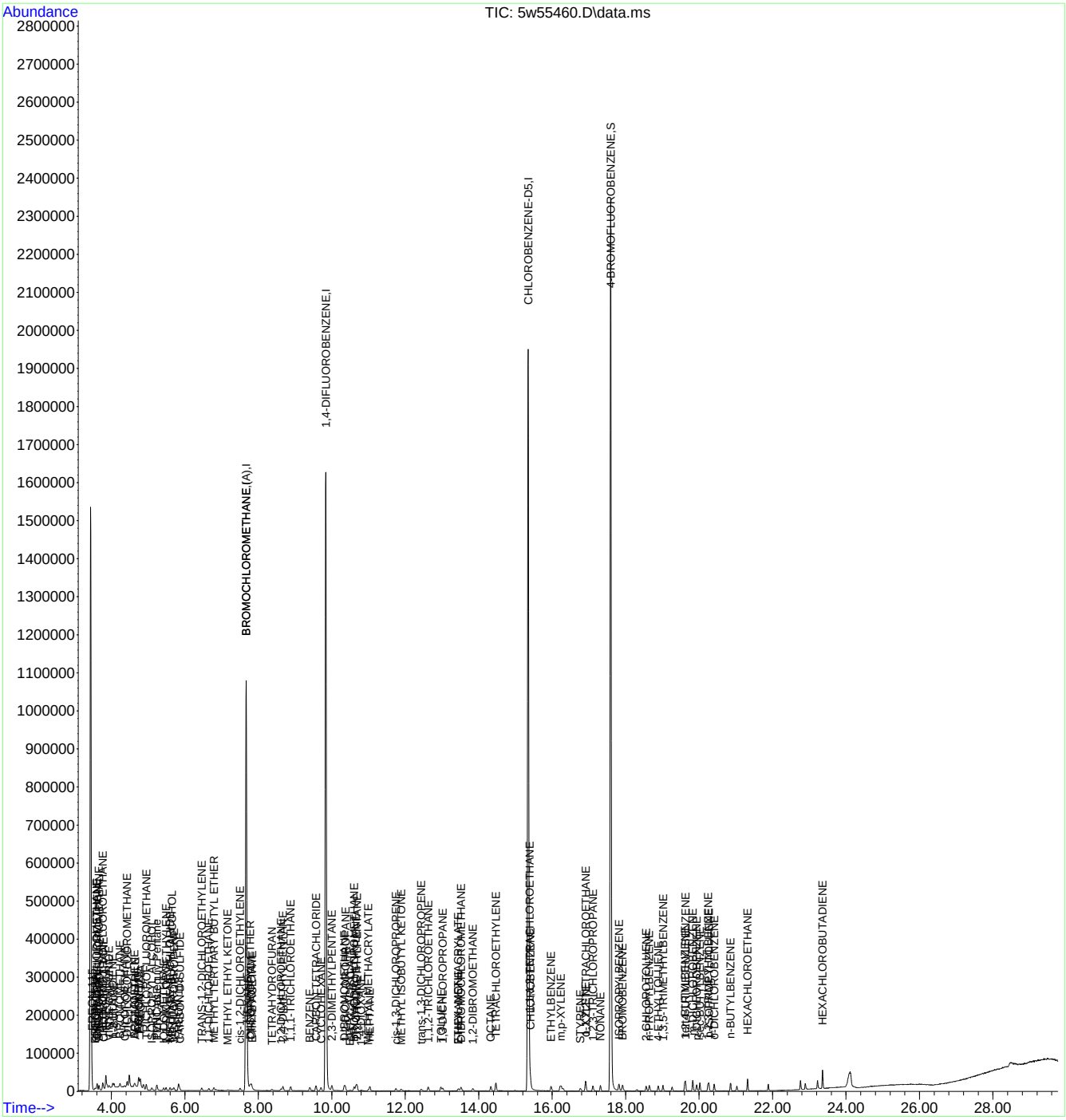
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 5207 | 0.09 | PPBV | | 94 |
| 56) | 1,2-DICHLOROPROPANE | 10.373 | 63 | 4453 | 0.09 | PPBV | | 93 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 5531 | 0.10 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.495 | 55 | 4814 | 0.06 | PPBV | # | 73 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 8911 | 0.08 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 14978 | 0.08 | PPBV | | 94 |
| 61) | 1,4-DIOXANE | 10.801 | 88 | 2000 | 0.07 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 5175 | 0.08 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.991 | 69 | 2482 | 0.06 | PPBV | # | 65 |
| 64) | METHYL ISOBUTYL KETONE | 11.890 | 58 | 1969 | 0.06 | PPBV | # | 71 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.743 | 75 | 5623 | 0.07 | PPBV | | 92 |
| 66) | TOLUENE | 12.973 | 92 | 6560 | 0.08 | PPBV | | 97 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 6020 | 0.08 | PPBV | # | 91 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 4364 | 0.06 | PPBV | | 84 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.624 | 83 | 4269 | 0.09 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.450 | 58 | 1982 | 0.04 | PPBV | # | 42 |
| 72) | ETHYL METHACRYLATE | 13.432 | 69 | 3502 | 0.05 | PPBV | # | 90 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 5984 | 0.11 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.517 | 129 | 7109 | 0.07 | PPBV | | 95 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 7065 | 0.09 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 6427 | 0.08 | PPBV | | 92 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 6008 | 0.10 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 11162 | 0.10 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 14102 | 0.08 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.234 | 106 | 9481 | 0.14 | PPBV | | 99 |
| 81) | o-XYLENE | 16.907 | 106 | 4760 | 0.07 | PPBV | | 90 |
| 82) | STYRENE | 16.766 | 104 | 6206 | 0.06 | PPBV | | 94 |
| 83) | NONANE | 17.310 | 43 | 6297 | 0.07 | PPBV | # | 91 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 11296 | 0.09 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 8353 | 0.10 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 15817 | 0.08 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.916 | 77 | 9455 | 0.09 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3541 | 0.07 | PPBV | | 88 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 3339 | 0.07 | PPBV | | 94 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 13159 | 0.07 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 11418 | 0.07 | PPBV | | 95 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 2169 | 0.06 | PPBV | # | 89 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 10880 | 0.06 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 9479 | 0.08 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 9928 | 0.09 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 2915 | 0.07 | PPBV | | 92 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 11857 | 0.07 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 3311 | 0.07 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 9802 | 0.09 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 2781 | 0.06 | PPBV | # | 75 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 6060 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 8613 | 0.08 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 32564 | 0.14 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 334972 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1532765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 812540 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 334972 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 990143 | 10.72 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 9311 | 0.17 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 5104 | 0.20 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2636 | 0.19 | PPBV | | 89 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 11548 | 0.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 25208 | 0.20 | PPBV | | 98 |
| 7) PROPYLENE | 3.601 | 41 | 6295 | 0.22 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 27839 | 0.22 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 35981 | 0.24 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 3787 | 0.24 | PPBV | # | 76 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 12507 | 0.23 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 8476 | 0.24 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 17914 | 0.27 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 13070 | 0.24 | PPBV | | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 5838 | 0.24 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 28789 | 0.24 | PPBV | | 99 |
| 17) ACETONITRILE | 4.641 | 41 | 10098 | 0.26 | PPBV | # | 79 |
| 18) ACROLEIN | 4.732 | 56 | 3711 | 0.20 | PPBV | # | 16 |
| 19) FREON 123 | 4.739 | 83 | 29093 | 0.24 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 16016 | 0.24 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 24059 | 0.21 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.087 | 45 | 17230 | 0.24 | PPBV | | 79 |
| 23) ACETONE | 4.861 | 58 | 9631 | 0.44 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 7781 | 0.22 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 19206 | 0.19 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 7466 | 0.21 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 21129 | 0.20 | PPBV | | 96 |
| 29) BROMOETHENE | 4.616 | 106 | 11097 | 0.22 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.222 | 52 | 13028 | 0.58 | PPBV | | 95 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 7591 | 0.22 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 3438 | 0.20 | PPBV | # | 65 |
| 33) FREON 113 | 5.821 | 151 | 11480 | 0.19 | PPBV | | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 7568 | 0.20 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.638 | 59 | 12091 | 0.16 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.776 | 73 | 17880 | 0.17 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.342 | 72 | 2081 | 0.12 | PPBV | # | 61 |
| 38) HEXANE | 7.706 | 57 | 9519 | 0.17 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.843 | 86 | 448 | 0.07 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 14588 | 0.20 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.137 | 72 | 2221 | 0.13 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 7416 | 0.19 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.767 | 59 | 2706 | 0.16 | PPBV | # | 82 |
| 44) ETHYL ACETATE | 7.810 | 61 | 1722 | 0.14 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.797 | 55 | 9313m | 0.13 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 18397 | 0.21 | PPBV | | 92 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 11164 | 0.17 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 17633 | 0.20 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 18453 | 0.19 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 12009 | 0.20 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 21730 | 0.19 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 7528 | 0.16 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4203 | 0.17 | PPBV | # | 84 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 10750 | 0.18 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 9173 | 0.19 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 11081 | 0.21 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.477 | 55 | 10722 | 0.12 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 18157 | 0.17 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 30352 | 0.16 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.777 | 88 | 4553 | 0.16 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 10843 | 0.17 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.985 | 69 | 5874 | 0.14 | PPBV | | 88 |
| 64) | METHYL ISOBUTYL KETONE | 11.872 | 58 | 4610 | 0.13 | PPBV | # | 75 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 12276 | 0.15 | PPBV | | 93 |
| 66) | TOLUENE | 12.967 | 92 | 13467 | 0.16 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 12399 | 0.17 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 10502 | 0.14 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 9074 | 0.19 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.426 | 58 | 5591 | 0.12 | PPBV | # | 68 |
| 72) | ETHYL METHACRYLATE | 13.426 | 69 | 7979 | 0.12 | PPBV | | 92 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 11793 | 0.22 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 14897 | 0.15 | PPBV | | 98 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 14712 | 0.18 | PPBV | # | 97 |
| 76) | OCTANE | 14.331 | 43 | 13225 | 0.16 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 12320 | 0.19 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 22541 | 0.21 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 29130 | 0.17 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.240 | 106 | 19915 | 0.30 | PPBV | | 97 |
| 81) | o-XYLENE | 16.907 | 106 | 9697 | 0.15 | PPBV | | 95 |
| 82) | STYRENE | 16.760 | 104 | 13243 | 0.14 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 13708 | 0.16 | PPBV | | 97 |
| 84) | BROMOFORM | 16.295 | 173 | 8706 | 0.09 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 24040 | 0.20 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.102 | 75 | 17778 | 0.21 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 32811 | 0.17 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 19537 | 0.19 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 7829 | 0.16 | PPBV | | 94 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 7841 | 0.15 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 27822 | 0.15 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 24334 | 0.15 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 9644 | 0.12 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 4755 | 0.14 | PPBV | | 90 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 25504 | 0.15 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 21451 | 0.17 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 23238 | 0.13 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 21116 | 0.18 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 6501 | 0.16 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 25578 | 0.15 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 7256 | 0.15 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 20937 | 0.19 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 6435 | 0.14 | PPBV | # | 88 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 12703 | 0.15 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 17057 | 0.16 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 16218 | 0.16 | PPBV | | 98 |
| 108) | NAPHTHALENE | 22.890 | 128 | 33921 | 0.14 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 75387 | 0.32 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

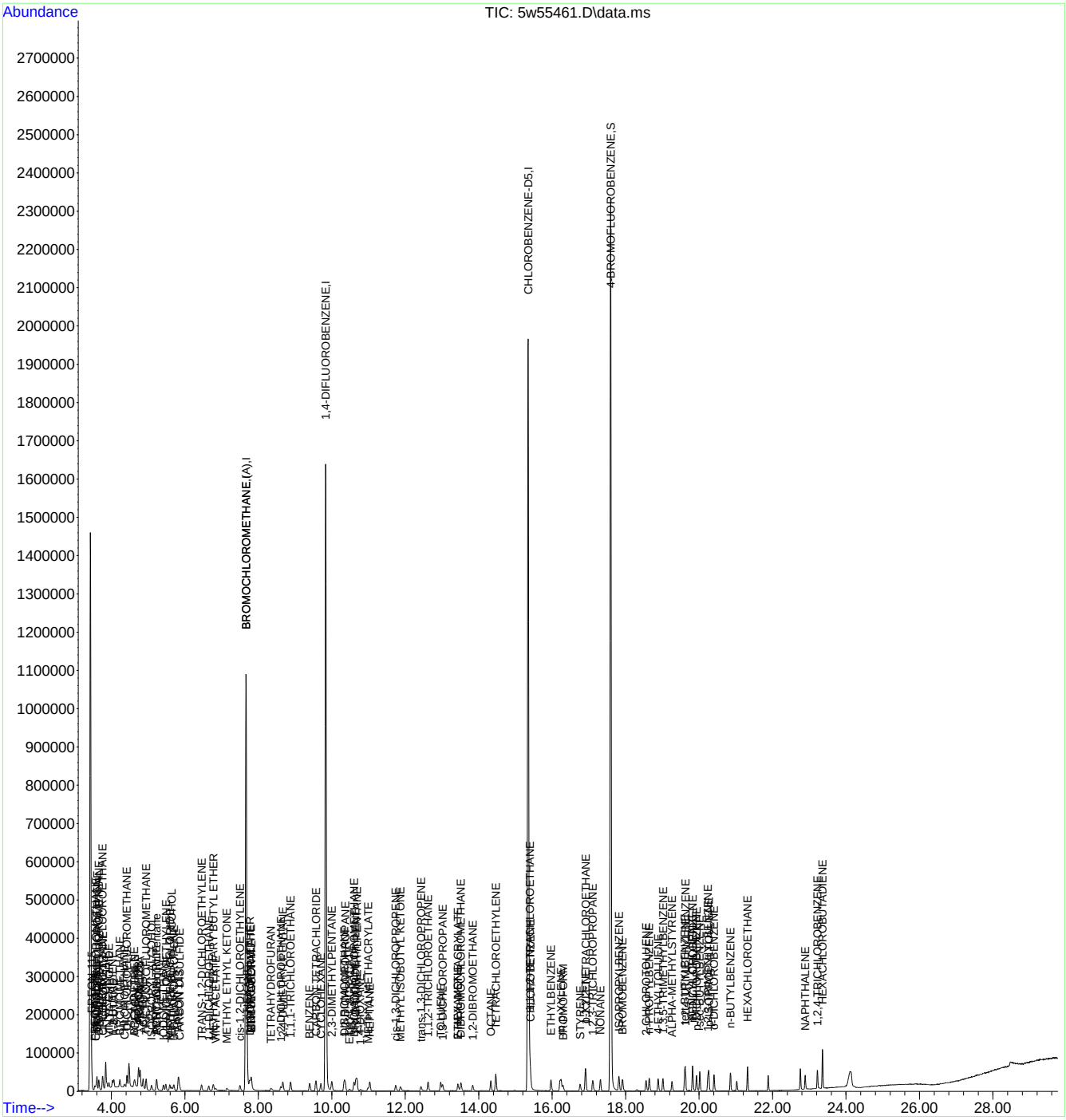
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

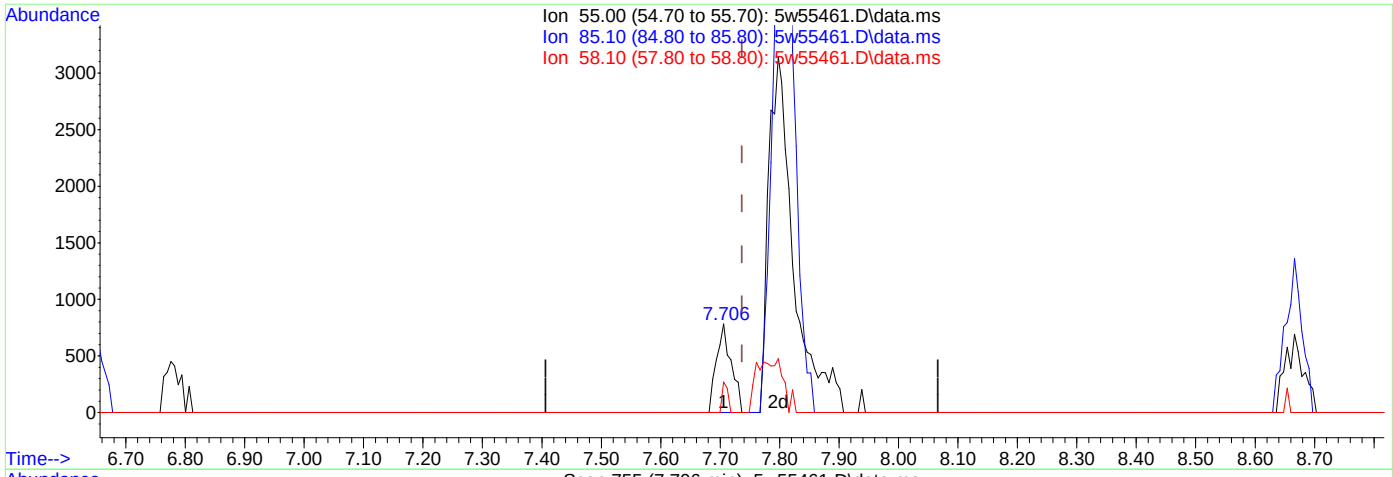
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

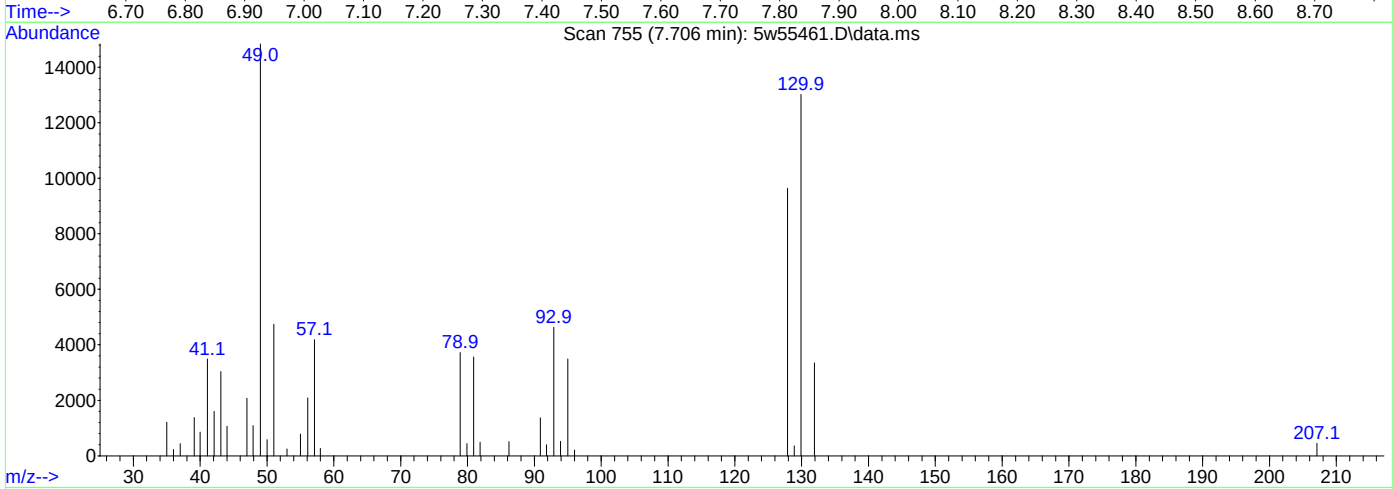


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

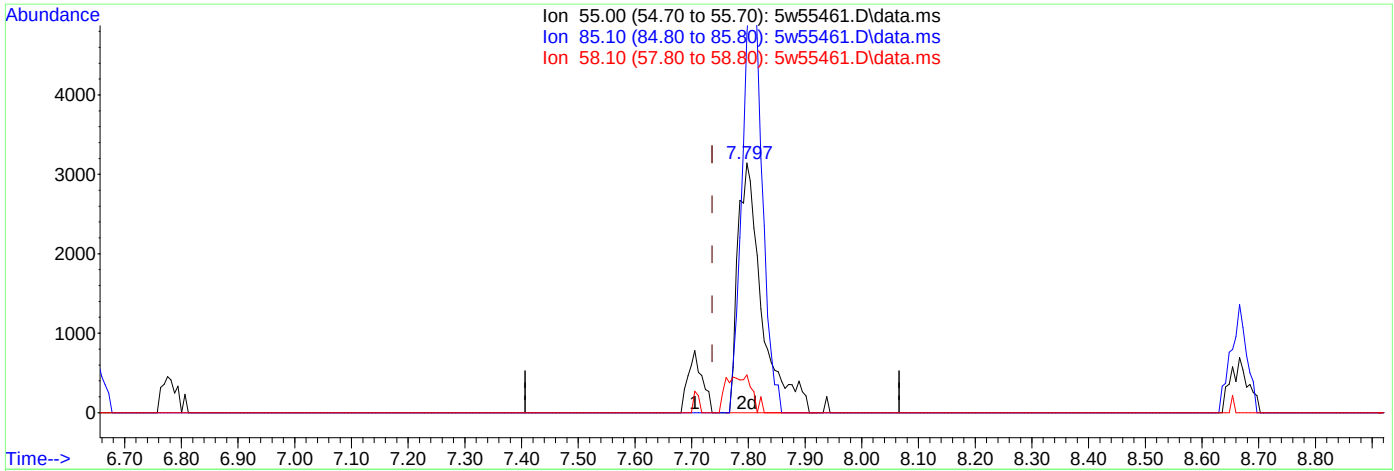
response 1349

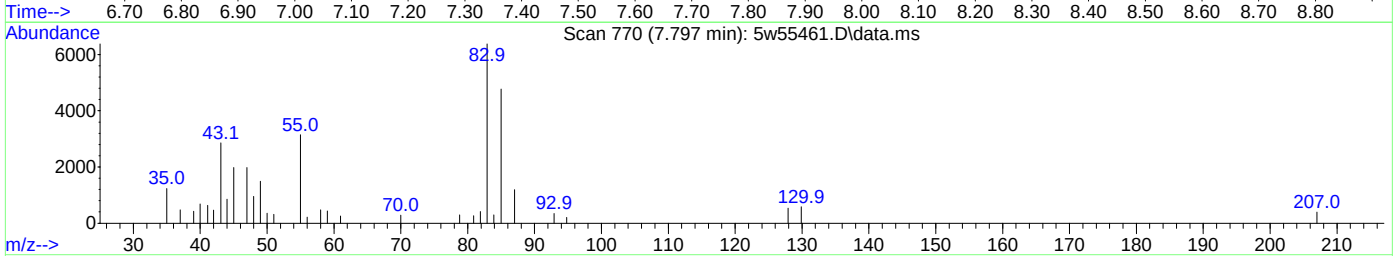
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 13.19 |
| 0.00 | 0.00 | 0.00 |

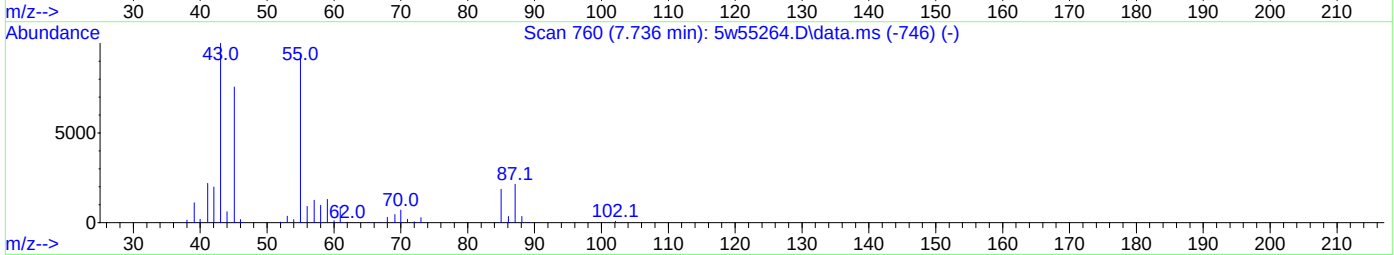
# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 330769 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1512302 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 803446 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 330769 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985952 | 10.80 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 29319 | 0.53 | PPBV | | 99 |
| 3) FREON 152A | 3.546 | 65 | 13383 | 0.53 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6908 | 0.51 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 29810 | 0.52 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 67318 | 0.54 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 16353 | 0.57 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 72198 | 0.58 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 94289 | 0.63 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 9386 | 0.61 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 32272 | 0.60 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 22258 | 0.63 | PPBV | | 92 |
| 13) n-BUTANE | 4.066 | 43 | 46066 | 0.70 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 34352 | 0.64 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 15312 | 0.64 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 75373 | 0.64 | PPBV | | 99 |
| 17) ACETONITRILE | 4.635 | 41 | 25964 | 0.67 | PPBV | # | 91 |
| 18) ACROLEIN | 4.733 | 56 | 11639 | 0.65 | PPBV | # | 70 |
| 19) FREON 123 | 4.733 | 83 | 77441 | 0.64 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 41439 | 0.64 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 65623 | 0.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 39268 | 0.56 | PPBV | | 91 |
| 23) ACETONE | 4.855 | 58 | 15107 | 0.70 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 20184 | 0.57 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 52352 | 0.54 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 19140 | 0.54 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 57576 | 0.55 | PPBV | | 94 |
| 28) ETHANOL | 4.476 | 45 | 20172 | 0.78 | PPBV | | 95 |
| 29) BROMOETHENE | 4.622 | 106 | 29626 | 0.59 | PPBV | | 94 |
| 30) ACRYLONITRILE | 5.216 | 52 | 13527 | 0.61 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 20169 | 0.60 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 8647 | 0.50 | PPBV | | 89 |
| 33) FREON 113 | 5.821 | 151 | 32099 | 0.55 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 20028 | 0.53 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 35107 | 0.47 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.757 | 73 | 52017 | 0.51 | PPBV | | 94 |
| 37) TETRAHYDROFURAN | 8.311 | 72 | 7703 | 0.46 | PPBV | | 95 |
| 38) HEXANE | 7.706 | 57 | 28766 | 0.51 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.831 | 86 | 2531 | 0.38 | PPBV | # | 75 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 39839 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 7562 | 0.44 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 20793 | 0.53 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.755 | 59 | 8150 | 0.47 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.791 | 61 | 5941 | 0.48 | PPBV | # | 72 |
| 45) METHYL ACRYLATE | 7.773 | 55 | 30367m | 0.44 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 51722 | 0.59 | PPBV | | 93 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 31054 | 0.49 | PPBV | | 91 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 49711 | 0.56 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 51155 | 0.54 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 32790 | 0.56 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 61342 | 0.54 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 22074 | 0.49 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 12638 | 0.53 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 29925 | 0.51 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 24473 | 0.52 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 25731 | 0.49 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 10.459 | 55 | 34390 | 0.41 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 54534 | 0.51 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 91844 | 0.50 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.752 | 88 | 11768 | 0.42 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 32330 | 0.51 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 18848 | 0.46 | PPBV | | 83 |
| 64) METHYL ISOBUTYL KETONE | 11.847 | 58 | 14953 | 0.43 | PPBV | | 90 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 36246 | 0.46 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 37107 | 0.44 | PPBV | | 94 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 36900 | 0.51 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.422 | 75 | 30719 | 0.41 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 25850 | 0.54 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.414 | 58 | 18867 | 0.40 | PPBV | | 81 |
| 72) ETHYL METHACRYLATE | 13.420 | 69 | 27662 | 0.41 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 29587 | 0.56 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 49591 | 0.50 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 43159 | 0.55 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 39430 | 0.47 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 33689 | 0.53 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 61057 | 0.57 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.965 | 91 | 85402 | 0.50 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 62887 | 0.96 | PPBV | | 97 |
| 81) o-XYLENE | 16.901 | 106 | 31745 | 0.50 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 41244 | 0.43 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 44116 | 0.51 | PPBV | | 99 |
| 84) BROMOFORM | 16.289 | 173 | 46583 | 0.47 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 65656 | 0.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 47874 | 0.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 96512 | 0.51 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 54823 | 0.55 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 22897 | 0.47 | PPBV | | 98 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 24216 | 0.48 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 90895 | 0.48 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 80703 | 0.51 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 33242 | 0.41 | PPBV | | 98 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 15702 | 0.47 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 84521 | 0.49 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 62123 | 0.50 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 70482 | 0.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 63407 | 0.55 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 20901 | 0.52 | PPBV | | 93 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 81958 | 0.48 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 24822 | 0.52 | PPBV | | 99 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 59304 | 0.54 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 20380 | 0.44 | PPBV | # | 85 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 42179 | 0.51 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 47455 | 0.44 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 41162 | 0.42 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.890 | 128 | 92472 | 0.40 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 140261 | 0.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

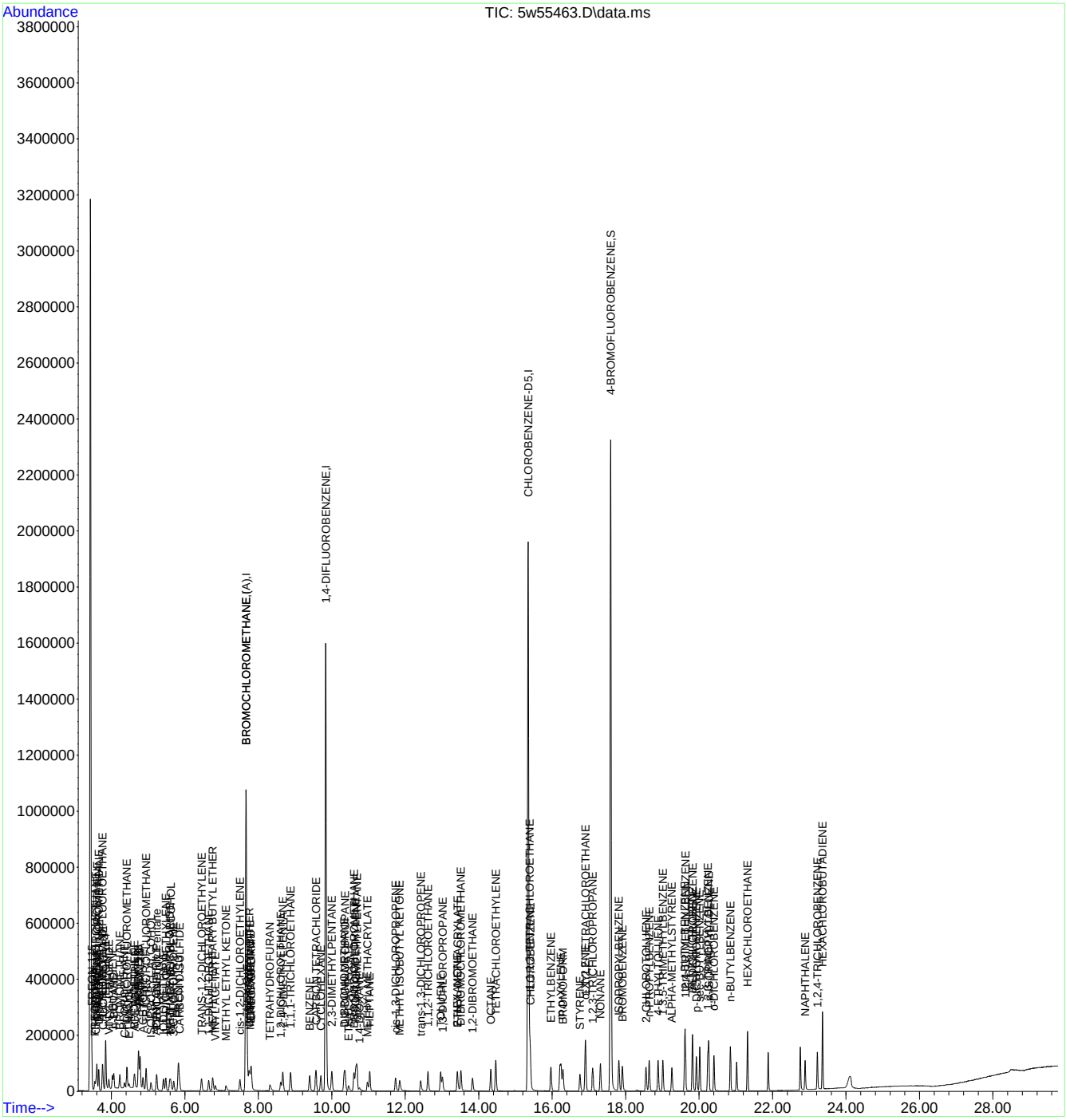
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

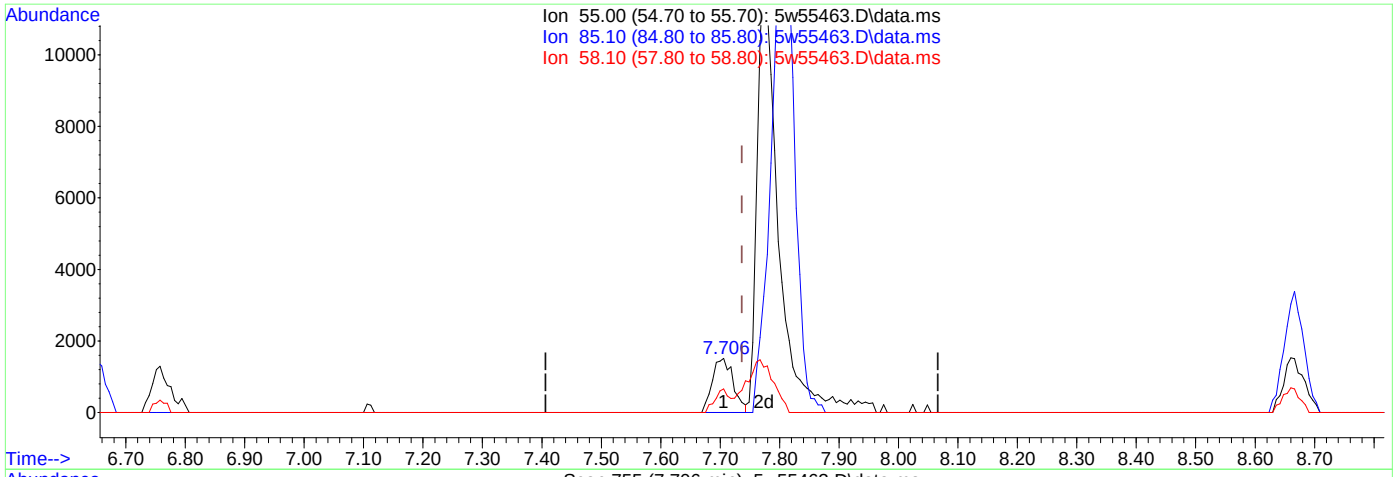
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

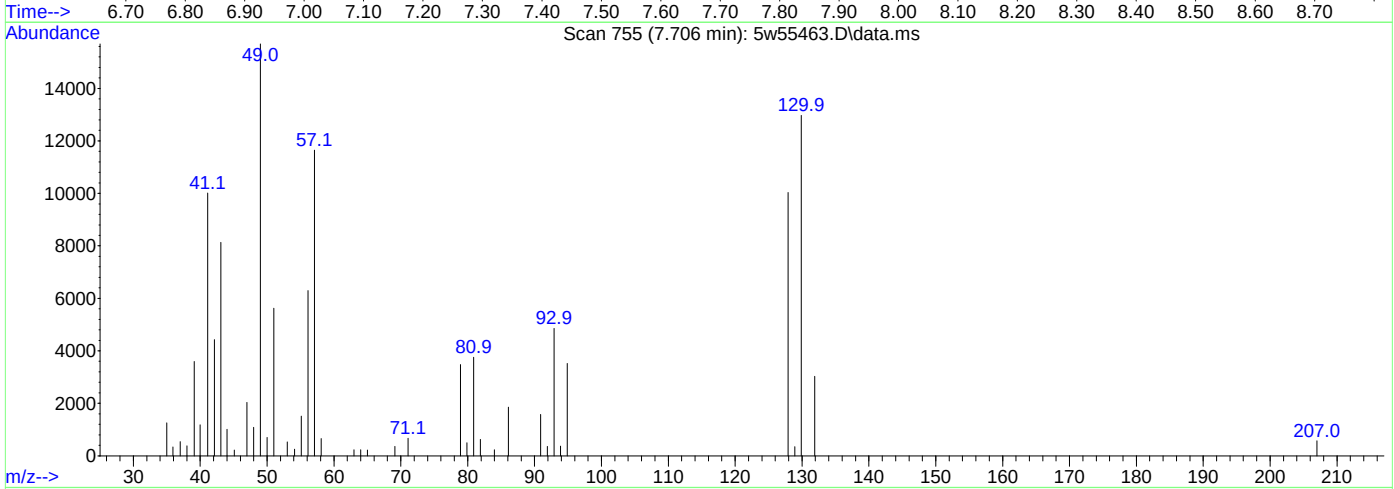


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

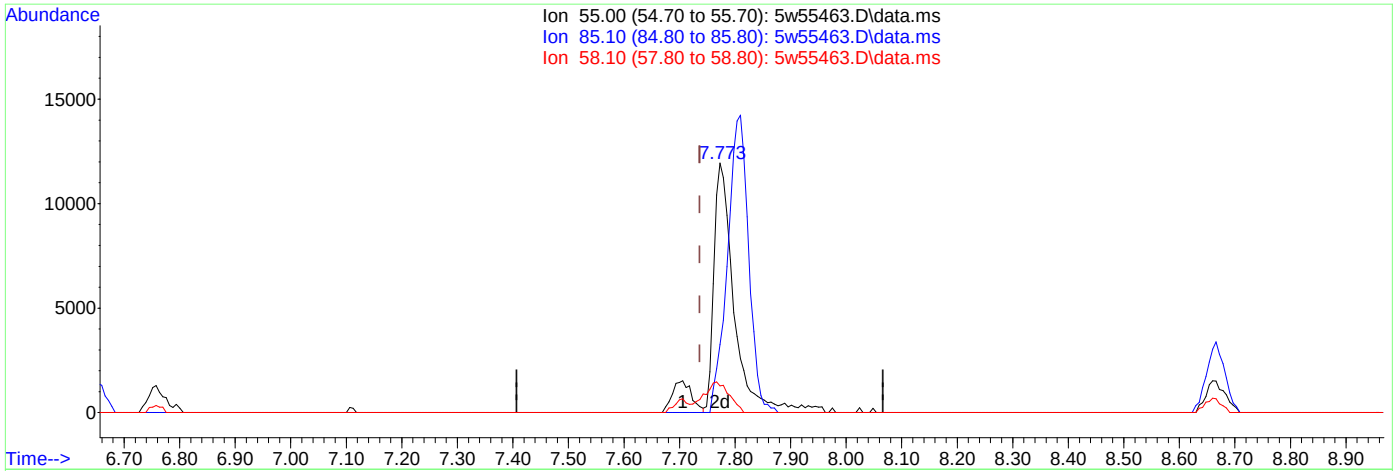
response 3694

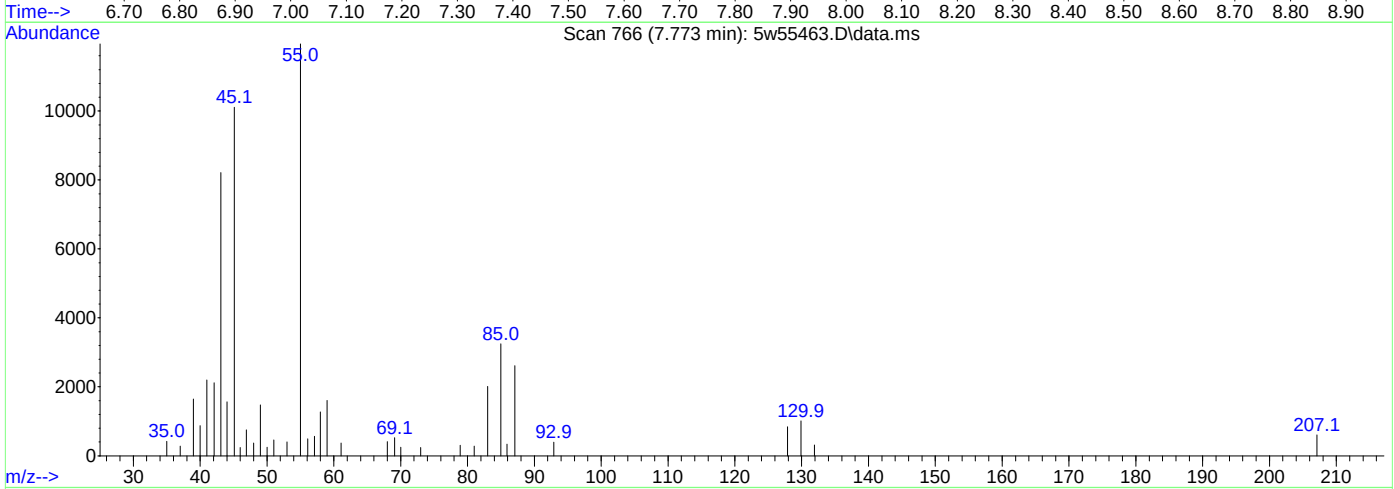
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 33.73# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 4.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 327920 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1483978 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 823417 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 327920 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 995950 | 10.64 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 112593 | 2.06 | PPBV | | 98 |
| 3) FREON 152A | 3.546 | 65 | 138374 | 5.57 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 71231 | 5.35 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 305049 | 5.34 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 679721 | 5.49 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 160514 | 5.68 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 719596 | 5.85 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 918552 | 6.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 89496 | 5.90 | PPBV | # | 71 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 318611 | 5.93 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 216237 | 6.19 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 413584 | 6.32 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 319635 | 5.98 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 140980 | 5.93 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 720353 | 6.14 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 231715 | 6.04 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 103691 | 5.80 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 730677 | 6.12 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 396421 | 6.14 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 629552 | 5.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 341979 | 4.90 | PPBV | | 96 |
| 23) ACETONE | 4.830 | 58 | 136235 | 6.39 | PPBV | | 97 |
| 24) PENTANE | 5.228 | 42 | 201069 | 5.72 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 526543 | 5.43 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 189977 | 5.42 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 580467 | 5.55 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 137349 | 5.34 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 289326 | 5.82 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 145480 | 6.60 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 187716 | 5.61 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 89978 | 5.26 | PPBV | | 97 |
| 33) FREON 113 | 5.822 | 151 | 310417 | 5.35 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 194904 | 5.24 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 337505 | 4.54 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 543685 | 5.34 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.256 | 72 | 86439 | 5.17 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 308459 | 5.52 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 34745 | 5.27 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 386526 | 5.53 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.063 | 72 | 91801 | 5.38 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 208218 | 5.31 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 92706 | 5.43 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.761 | 61 | 65000 | 5.24 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 368255 | 5.42 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 482374 | 5.58 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 341067 | 5.46 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 479650 | 5.48 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 513289 | 5.43 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 319305 | 5.50 | PPBV | | 99 |
| 52) | BENZENE | 9.400 | 78 | 616501 | 5.51 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 238638 | 5.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 125899 | 5.37 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 298892 | 5.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 245875 | 5.34 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 261552 | 5.04 | PPBV | | 97 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 425993 | 5.12 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 540223 | 5.18 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 973540 | 5.44 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.685 | 88 | 122741 | 4.50 | PPBV | # | 1 |
| 62) | HEPTANE | 11.028 | 43 | 344774 | 5.60 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 214720 | 5.32 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.799 | 58 | 181412 | 5.28 | PPBV | | 100 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 402547 | 5.22 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 422478 | 5.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 379761 | 5.34 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 358104 | 4.84 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 249437 | 5.34 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.371 | 58 | 255379 | 5.25 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 365412 | 5.22 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 302043 | 5.57 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 540159 | 5.27 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 450832 | 5.58 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 480408 | 5.59 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 351959 | 5.45 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 608780 | 5.52 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 974334 | 5.59 | PPBV | | 100 |
| 80) | m,p-XYLENE | 16.234 | 106 | 735362 | 10.95 | PPBV | | 98 |
| 81) | o-XYLENE | 16.901 | 106 | 369565 | 5.63 | PPBV | | 99 |
| 82) | STYRENE | 16.748 | 104 | 552274 | 5.56 | PPBV | | 99 |
| 83) | NONANE | 17.311 | 43 | 513330 | 5.74 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 529096 | 5.17 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 682433 | 5.57 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 482523 | 5.57 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1073018 | 5.53 | PPBV | | 100 |
| 89) | BROMOBENZENE | 17.904 | 77 | 566636 | 5.50 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 264838 | 5.36 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 284766 | 5.48 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1089019 | 5.65 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 921119 | 5.67 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 437586 | 5.24 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 191242 | 5.58 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 990160 | 5.65 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 668502 | 5.25 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 906932 | 5.04 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 664978 | 5.67 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 236216 | 5.70 | PPBV | | 96 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 964327 | 5.56 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 276086 | 5.66 | PPBV | | 100 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 622668 | 5.58 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 258808 | 5.51 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 467063 | 5.52 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 522385 | 4.72 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 465755 | 4.65 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 1115447 | 4.69 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1399979 | 6.08 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

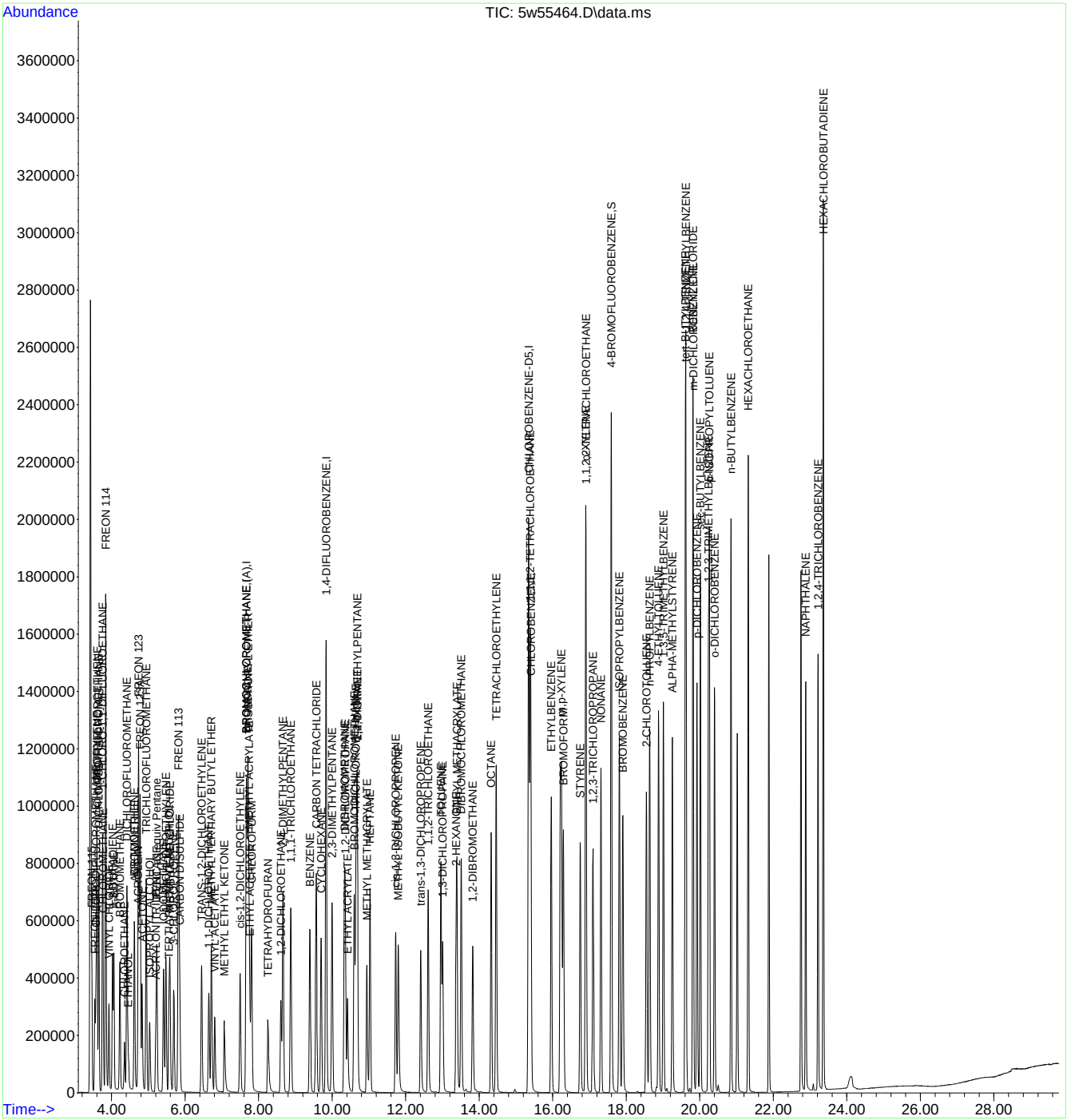
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 339202 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1511260 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 875250 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 339202 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 994958 | 10.00 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 605693 | 10.70 | PPBV | | 100 |
| 3) FREON 152A | 3.546 | 65 | 275104 | 10.70 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146118 | 10.60 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 620588 | 10.50 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1357955 | 10.60 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 318393 | 10.90 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1349681 | 10.60 | PPBV | | 100 |
| 9) FREON 114 | 3.839 | 85 | 1681548 | 11.00 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 163220 | 10.40 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572748 | 10.30 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390556 | 10.80 | PPBV | | 100 |
| 13) n-BUTANE | 4.066 | 43 | 731849 | 10.81 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.231 | 94 | 580880 | 10.50 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 255610 | 10.40 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1285896 | 10.60 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 400956 | 10.10 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 194255 | 10.50 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1310076 | 10.60 | PPBV | | 100 |
| 20) FREON 123A | 4.775 | 117 | 734746 | 11.00 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1219357 | 10.60 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 764798 | 10.60 | PPBV | | 100 |
| 23) ACETONE | 4.824 | 58 | 227018 | 10.30 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 396405 | 10.90 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 1102700 | 11.00 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 387658 | 10.70 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1147721 | 10.60 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 271251 | 10.20 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 544999 | 10.60 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 251010 | 11.01 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 363117 | 10.50 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 185861 | 10.50 | PPBV | | 100 |
| 33) FREON 113 | 5.822 | 151 | 636251 | 10.60 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 404191 | 10.50 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 761817 | 9.90 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 1138359 | 10.80 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 181760 | 10.50 | PPBV | | 100 |
| 38) HEXANE | 7.706 | 57 | 624158 | 10.80 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 70963 | 10.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 773941 | 10.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 190475 | 10.80 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 434152 | 10.70 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190722 | 10.80 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.749 | 61 | 138469 | 10.80 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 759561 | 10.81 | PPBV | | 100 |
| 46) CHLOROFORM | 7.810 | 83 | 965951 | 10.80 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 697723 | 10.80 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 978590 | 10.80 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1055955 | 10.80 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 654982 | 10.90 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1252492 | 11.00 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 494054 | 10.90 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 257829 | 10.80 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 617097 | 10.50 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 491975 | 10.50 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 554921 | 10.50 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 906659 | 10.70 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1114691 | 10.50 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1969454 | 10.80 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 291854 | 10.50 | PPBV | | 100 |
| 62) HEPTANE | 11.028 | 43 | 690296 | 11.00 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 448158 | 10.90 | PPBV | | 100 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 377985 | 10.80 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 840076 | 10.70 | PPBV | | 100 |
| 66) TOLUENE | 12.961 | 92 | 885739 | 10.60 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 767017 | 10.60 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 768015 | 10.20 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 509433 | 10.70 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.365 | 58 | 548403 | 10.60 | PPBV | | 100 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 781201 | 10.50 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 628078 | 10.90 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1144713 | 10.50 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 943815 | 11.00 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 995955 | 10.90 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 741767 | 10.80 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1266085 | 10.80 | PPBV | | 100 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2039775 | 11.00 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 1527990 | 21.40 | PPBV | | 100 |
| 81) o-XYLENE | 16.901 | 106 | 760103 | 10.90 | PPBV | | 100 |
| 82) STYRENE | 16.754 | 104 | 1162167 | 11.00 | PPBV | | 100 |
| 83) NONANE | 17.311 | 43 | 1035723 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 1163343 | 10.70 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1418746 | 10.90 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 975518 | 10.60 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2187498 | 10.60 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.910 | 77 | 1139573 | 10.40 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 541116 | 10.30 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 585017 | 10.60 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 2232548 | 10.90 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1882828 | 10.90 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 922485 | 10.40 | PPBV | | 100 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 400422 | 11.00 | PPBV | | 100 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2047810 | 11.00 | PPBV | | 100 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1407750 | 10.40 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 1990839 | 10.40 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1359653 | 10.90 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 479738 | 10.90 | PPBV | | 100 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1974262 | 10.70 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 559789 | 10.80 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1269083 | 10.70 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 539061 | 10.80 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 988753 | 11.00 | PPBV | | 100 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1271645 | 10.80 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1160909 | 10.90 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 2753803 | 10.90 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 2596090 | 10.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

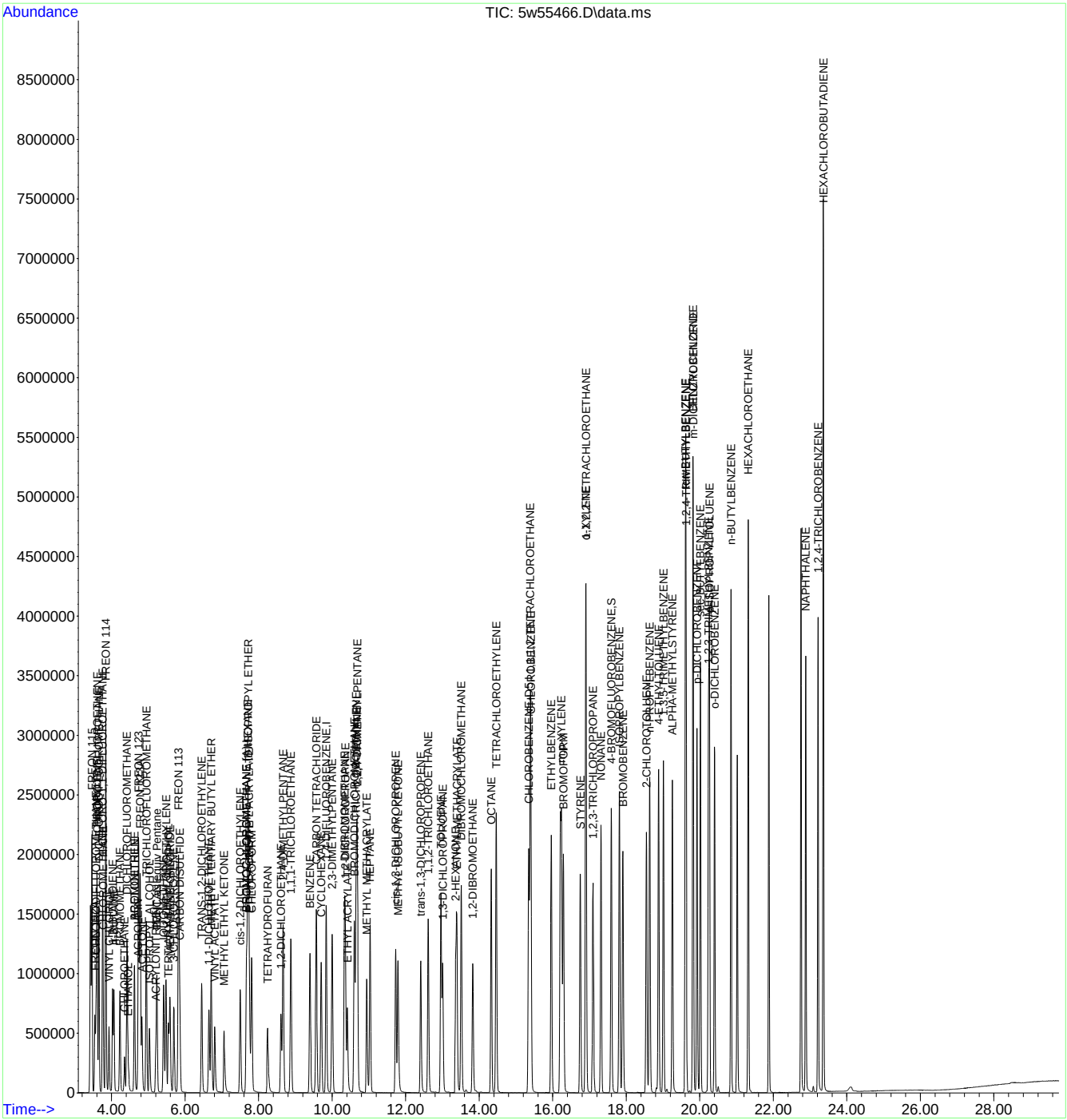
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 342882 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1466721 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 922805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 342882 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 962216 | 8.66 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 86.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 934470 | 19.68 | PPBV | 98 |
| 3) FREON 152A | 3.546 | 65 | 555724 | 22.02 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 300670 | 23.90 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 1281526 | 22.22 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 2693197 | 21.30 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 643425 | 19.46 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 2571204 | 18.91 | PPBV | 100 |
| 9) FREON 114 | 3.839 | 85 | 3131351 | 18.84 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 310103 | 17.98 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 1066972 | 17.42 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 737734 | 17.78 | PPBV | 99 |
| 13) n-BUTANE | 4.066 | 43 | 1358072 | 16.34 | PPBV | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 1092994 | 16.45 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 475231 | 16.78 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 2390761 | 16.93 | PPBV | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 742883 | 15.46 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 362625 | 18.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 2426147 | 17.04 | PPBV | 99 |
| 20) FREON 123A | 4.782 | 117 | 1384065 | 18.79 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 2407405 | 20.30 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1487631 | 18.75 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 409828 | 12.79 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 771291 | 20.37 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 2200301 | 23.28 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 762107 | 20.94 | PPBV | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 2235145 | 21.22 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 502201 | 15.69 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 1034552 | 19.32 | PPBV | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 489577 | 14.31 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 698189 | 18.40 | PPBV | 100 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 362658 | 21.91 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 1282144 | 21.91 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 795699 | 20.82 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 1504766 | 22.16 | PPBV | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 2261702 | 23.80 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 361477 | 26.09 | PPBV | 98 |
| 38) HEXANE | 7.706 | 57 | 1299772 | 25.51 | PPBV | 98 |
| 39) VINYL ACETATE | 6.807 | 86 | 150354 | 28.46 | PPBV | # 94 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 1502107 | 20.85 | PPBV | 100 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 374963 | 27.41 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 852592 | 21.70 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 397171 | 26.25 | PPBV | 96 |
| 44) ETHYL ACETATE | 7.749 | 61 | 275669 | 27.45 | PPBV | # 99 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 1562708 | 25.53 | PPBV | 99 |
| 46) CHLOROFORM | 7.816 | 83 | 1887887 | 21.07 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 1404201 | 24.81 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 1974201 | 22.31 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.572 | 117 | 2157722 | 23.55 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 1304364 | 23.01 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 2480296 | 24.21 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 977006 | 26.51 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 518636 | 25.98 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.655 | 95 | 1261399 | 24.13 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 995547 | 22.86 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 1159519 | 22.34 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1809029 | 28.78 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 2255590 | 24.75 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 3898314 | 25.47 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 596545 | 26.92 | PPBV | # | 34 |
| 62) | HEPTANE | 11.034 | 43 | 1372329 | 25.70 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 886208 | 27.70 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 763728 | 28.95 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 1712055 | 27.85 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 1782618 | 26.48 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 1520252 | 24.75 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 1566263 | 28.62 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 1021706 | 24.00 | PPBV | | 100 |
| 71) | 2-HEXANONE | 13.359 | 58 | 1123497 | 27.97 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 1592458 | 26.68 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 1295487 | 21.06 | PPBV | | 100 |
| 74) | DIBROMOCHLOROMETHANE | 13.512 | 129 | 2360665 | 25.16 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.830 | 107 | 1912584 | 23.66 | PPBV | | 100 |
| 76) | OCTANE | 14.331 | 43 | 2007056 | 25.12 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 1557559 | 23.42 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 2596682 | 21.36 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 4106023 | 24.25 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.240 | 106 | 3148620 | 50.94 | PPBV | | 98 |
| 81) | o-XYLENE | 16.907 | 106 | 1571210 | 26.11 | PPBV | | 99 |
| 82) | STYRENE | 16.754 | 104 | 2380882 | 28.53 | PPBV | | 100 |
| 83) | NONANE | 17.317 | 43 | 2075321 | 24.63 | PPBV | | 100 |
| 84) | BROMOFORM | 16.295 | 173 | 2439049 | 29.26 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 2867748 | 22.16 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1910251 | 20.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 4416866 | 22.71 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 2298802 | 20.38 | PPBV | | 100 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 1104210 | 23.56 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 1183858 | 25.27 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 4498304 | 25.88 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 3785845 | 25.41 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 1903435 | 28.19 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 838658 | 31.61 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 4186232 | 26.94 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 2890142 | 23.15 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 4095162 | 27.40 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 2725460 | 23.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 963244 | 24.93 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4017952 | 25.38 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1146159 | 25.56 | PPBV | | 96 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 2526786 | 21.80 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 1115820 | 28.21 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2036046 | 26.21 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 2757653 | 27.12 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 2474878 | 27.79 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 5516380 | 27.68 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 5095960 | 17.51 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

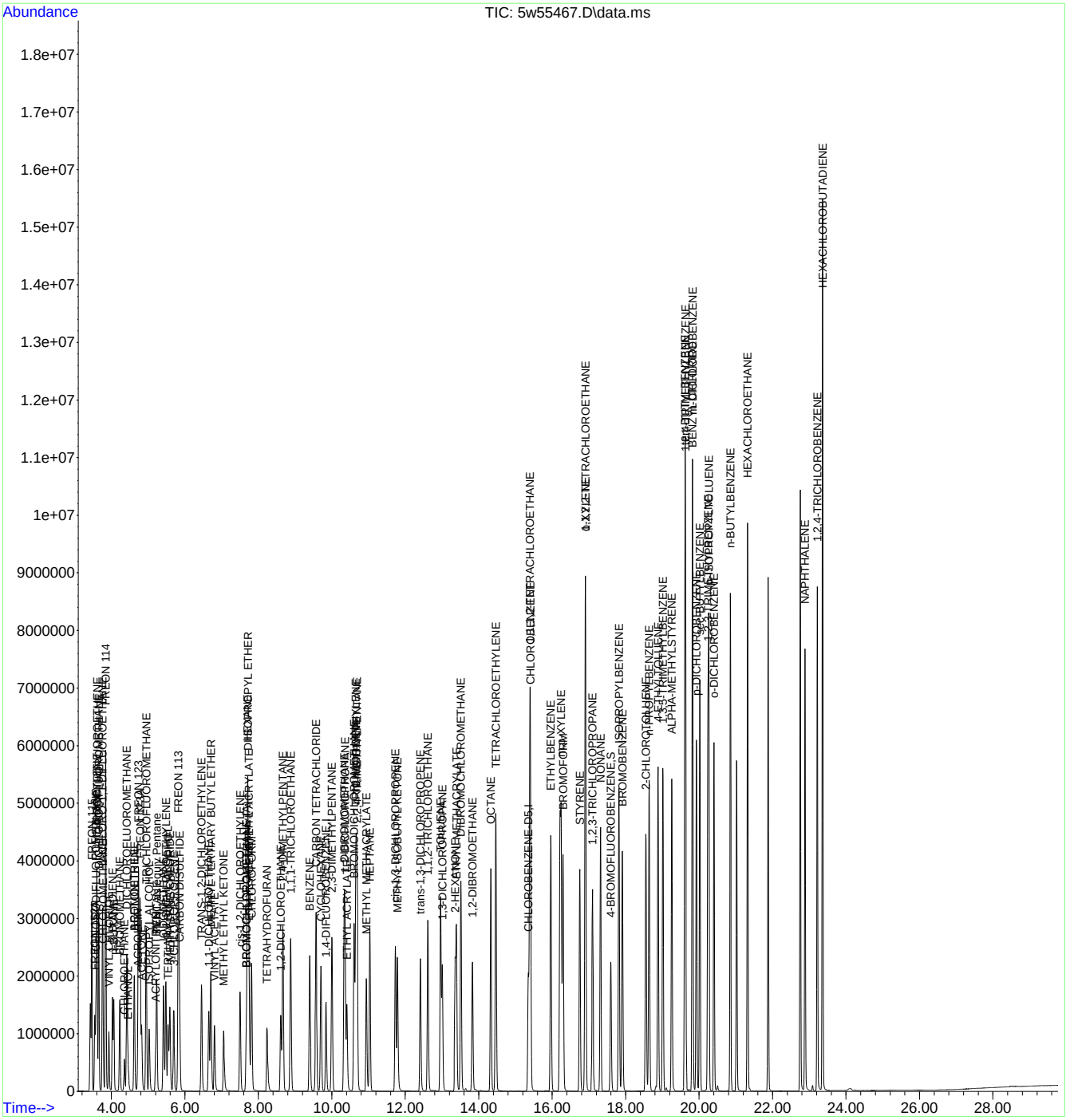
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 341329 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1382725 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1000073 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 341329 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 916347 | 7.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 1110003 | 44.01 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 618926 | 48.54 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 2675087 | 46.21 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 5267335 | 41.82 | PPBV | 98 |
| 7) PROPYLENE | 3.589 | 41 | 1264054 | 39.00 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 4841129 | 36.33 | PPBV | 99 |
| 9) FREON 114 | 3.839 | 85 | 5644224 | 34.83 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.766 | 52 | 586442 | 34.83 | PPBV | 95 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 1976978 | 33.16 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 1352676 | 33.60 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 2400545 | 30.24 | PPBV | 99 |
| 14) BROMOMETHANE | 4.225 | 94 | 2043818 | 32.06 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 871035 | 31.77 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 4291710 | 31.43 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1277797 | 27.81 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 645615 | 33.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 4240053 | 30.77 | PPBV | 98 |
| 20) FREON 123A | 4.775 | 117 | 2547507 | 35.48 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 4713026 | 40.16 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2716413 | 35.07 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 731236 | 24.80 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 1485676 | 39.79 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 4451630 | 46.92 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 1496349 | 41.43 | PPBV | 98 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 4309243 | 41.09 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 853574 | 28.43 | PPBV | 100 |
| 29) BROMOETHENE | 4.616 | 106 | 1928359 | 36.64 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 958150 | 30.25 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1342564 | 36.18 | PPBV | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 697695 | 42.08 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 2636699 | 45.05 | PPBV | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1572877 | 41.40 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 2859765 | 41.60 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 4395819 | 45.80 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 8.226 | 72 | 698114 | 48.66 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 2611399 | 50.18 | PPBV | 95 |
| 39) VINYL ACETATE | 6.806 | 86 | 306105 | 54.21 | PPBV | # 87 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 2896622 | 40.54 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 729314 | 51.25 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 1696626 | 43.29 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 811232 | 52.00 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.749 | 61 | 550445 | 52.69 | PPBV | # 97 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3113267 | 49.30 | PPBV | 98 |
| 46) CHLOROFORM | 7.816 | 83 | 3681330 | 41.42 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2767046 | 48.09 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 3966870 | 44.82 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 4344419 | 47.03 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 2563201 | 45.07 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 4805887 | 49.06 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 1932753 | 53.96 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1034868 | 53.44 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 2594903 | 51.56 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 1968777 | 47.35 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 2452377 | 49.66 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 3514442 | 56.09 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.612 | 83 | 4532566 | 51.44 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 7451774 | 50.35 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 1171033 | 53.54 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 2670311 | 51.81 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 1706636 | 54.15 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 1514817 | 57.65 | PPBV | | 96 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 3416380 | 56.51 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 3622228 | 55.11 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 2997850 | 50.56 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 3139635 | 57.54 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2047204 | 50.14 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2249832 | 49.07 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 3192358 | 47.23 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 2700260 | 40.71 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 4797242 | 45.88 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 3887570 | 43.91 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 3923196 | 44.34 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 3275763 | 44.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 5271880 | 40.07 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 8126299 | 43.65 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.246 | 106 | 6467969 | 94.01 | PPBV | | 92 |
| 81) | o-XYLENE | 16.907 | 106 | 3188562 | 47.55 | PPBV | | 95 |
| 82) | STYRENE | 16.754 | 104 | 4879514 | 51.77 | PPBV | | 99 |
| 83) | NONANE | 17.317 | 43 | 3987420 | 42.86 | PPBV | | 97 |
| 84) | BROMOFORM | 16.301 | 173 | 5078215 | 52.97 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 5613840 | 39.93 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 3751035 | 36.66 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 8798069 | 41.32 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.916 | 77 | 4625514 | 37.94 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 2317722 | 44.71 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 2469115 | 47.34 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 8909475 | 46.07 | PPBV | | 96 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 7582950 | 45.88 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 3974554 | 51.70 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 1750552 | 57.31 | PPBV | # | 88 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 8073536 | 46.45 | PPBV | | 96 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 5812290 | 42.28 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 7865415 | 46.45 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 5572136 | 43.25 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 1985344 | 46.46 | PPBV | # | 80 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 7982379 | 45.32 | PPBV | # | 96 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 2391446 | 47.95 | PPBV | # | 84 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 5204091 | 41.33 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 2355801 | 52.65 | PPBV | # | 78 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 4095368 | 47.35 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 5758391 | 50.41 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 5399109 | 53.83 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.890 | 128 | 10659068 | 47.52 | PPBV | | 95 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 9863883 | 35.04 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

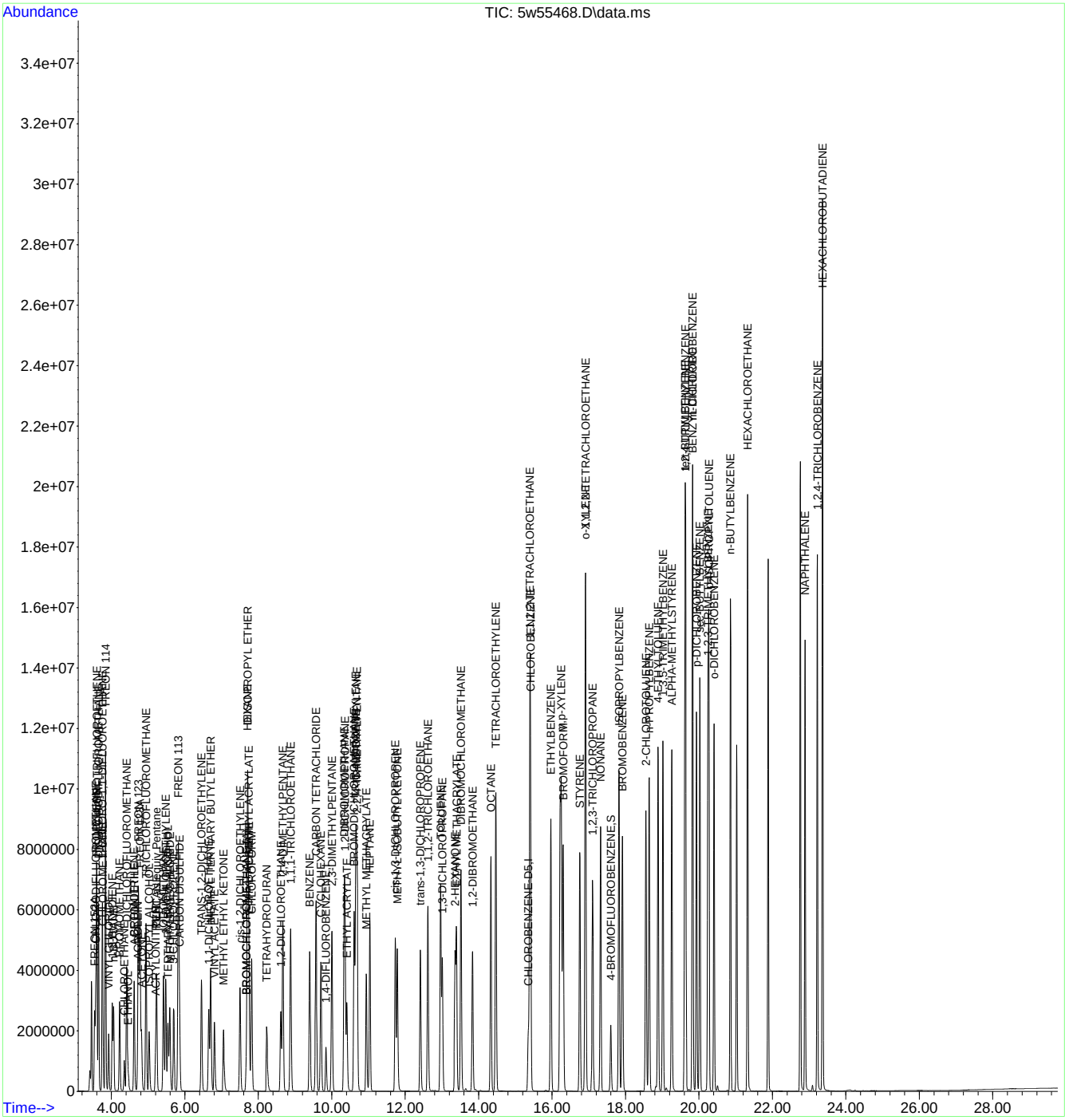
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 363096 | 10.00 | PPBV | 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1435494 | 10.00 | PPBV | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1087902 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 363096 | 10.00 | PPBV | # 0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 962842 | 7.71 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 1409928 | 52.36 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 788640 | 57.10 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 3518696 | 56.43 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 6578479 | 49.18 | PPBV | 97 |
| 7) PROPYLENE | 3.601 | 41 | 1558841 | 45.82 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 5783866 | 41.54 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 6688154 | 39.83 | PPBV | 92 |
| 10) CHLOROMETHANE | 3.772 | 52 | 708046 | 40.35 | PPBV | 93 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2437569 | 39.40 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 1667571 | 40.06 | PPBV | 97 |
| 13) n-BUTANE | 4.066 | 43 | 2956319 | 36.57 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 2585698 | 39.46 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 1112344 | 39.30 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 5325853 | 37.89 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1590540 | 34.05 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 812347 | 40.31 | PPBV | 100 |
| 19) FREON 123 | 4.739 | 83 | 5322727 | 37.60 | PPBV | 97 |
| 20) FREON 123A | 4.782 | 117 | 3262064 | 43.77 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 5912238 | 47.68 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3130594 | 38.96 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 1801214 | 45.85 | PPBV | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 5859104 | 57.57 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 1920392 | 50.18 | PPBV | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 5333899 | 48.00 | PPBV | 98 |
| 28) ETHANOL | 4.457 | 45 | 1061688 | 35.38 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 2463970 | 44.77 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.210 | 52 | 1172261 | 36.70 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1703220 | 43.91 | PPBV | 96 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 888181 | 50.35 | PPBV | 93 |
| 33) FREON 113 | 5.822 | 151 | 3534845 | 56.33 | PPBV | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 2032870 | 50.39 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 3417331 | 46.44 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 5589862 | 54.34 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 882416 | 56.54 | PPBV | 93 |
| 38) HEXANE | 7.712 | 57 | 3251354 | 57.57 | PPBV | 93 |
| 39) VINYL ACETATE | 6.813 | 86 | 398132 | 63.09 | PPBV | # 74 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 3625488 | 48.02 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 929876 | 59.84 | PPBV | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 2196558 | 52.61 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 1010128 | 59.15 | PPBV | # 83 |
| 44) ETHYL ACETATE | 7.749 | 61 | 686502 | 59.89 | PPBV | # 94 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3866289 | 56.23 | PPBV | 97 |
| 46) CHLOROFORM | 7.822 | 83 | 4663315 | 49.57 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.672 | 57 | 3422747 | 55.14 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 5135690 | 54.30 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 5694246 | 57.32 | PPBV | 99 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 3247346 | 53.45 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

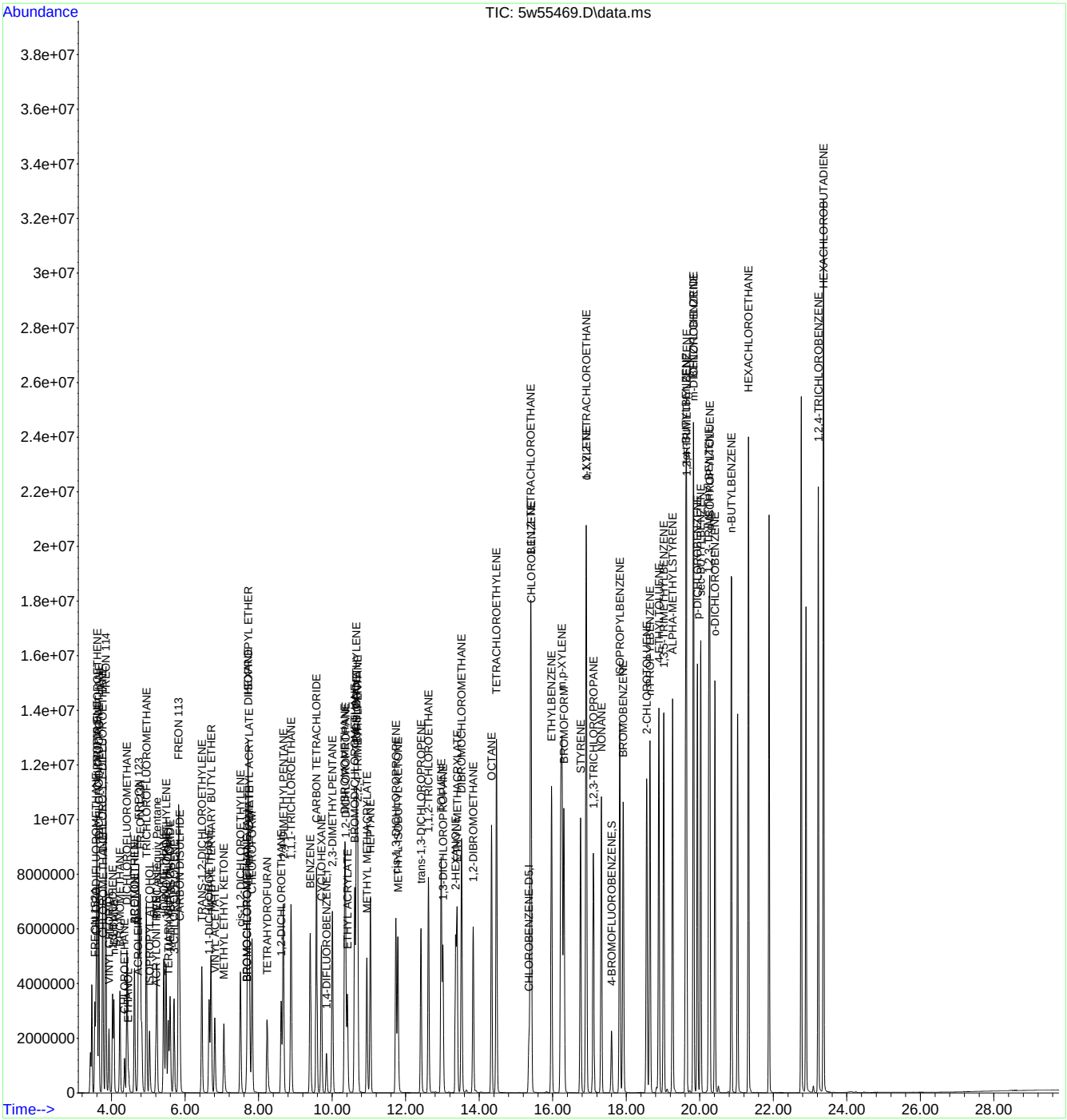
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 52) | BENZENE | 9.406 | 78 | 6113532 | 59.26 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.706 | 84 | 2475588 | 64.65 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1313485 | 63.46 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.661 | 95 | 3350858 | 62.36 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 2447772 | 55.81 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 3348127 | 63.85 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 4375473 | 64.41 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.618 | 83 | 5756859 | 61.21 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.697 | 57 | 9040011 | 57.64 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 1504708 | 63.77 | PPBV | # | 1 |
| 62) | HEPTANE | 11.040 | 43 | 3250063 | 59.42 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 2166506 | 64.00 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 1897421 | 66.38 | PPBV | | 93 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 4365639 | 66.88 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 4696538 | 66.34 | PPBV | | 96 |
| 67) | 1,3-DICHLOROPROPANE | 13.016 | 76 | 3810935 | 60.45 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.416 | 75 | 4045609 | 64.37 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2637082 | 60.91 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2840400 | 51.38 | PPBV | | 93 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 4057750 | 54.22 | PPBV | | 95 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 3652923 | 51.05 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 6267031 | 54.46 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 5059319 | 52.54 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 4818681 | 49.96 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.402 | 131 | 4326992 | 54.27 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 6799424 | 47.95 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 10258201 | 50.70 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.246 | 106 | 8436000 | 111.35 | PPBV | | 88 |
| 81) | o-XYLENE | 16.913 | 106 | 4070628 | 55.18 | PPBV | | 92 |
| 82) | STYRENE | 16.760 | 104 | 6336380 | 60.46 | PPBV | | 99 |
| 83) | NONANE | 17.323 | 43 | 4885695 | 48.38 | PPBV | | 95 |
| 84) | BROMOFORM | 16.301 | 173 | 6736389 | 57.61 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 6857413 | 45.32 | PPBV | | 98 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 4752860 | 43.44 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 11140531 | 48.25 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.916 | 77 | 5858269 | 44.66 | PPBV | | 92 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3066170 | 53.80 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 3235225 | 56.20 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 11113673 | 52.46 | PPBV | | 94 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.024 | 105 | 9540125 | 52.72 | PPBV | | 95 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 5169037 | 56.23 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 2268727 | 58.03 | PPBV | # | 82 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.641 | 105 | 9871747 | 51.85 | PPBV | | 93 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 7376020 | 49.22 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.825 | 91 | 9467573 | 50.66 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 7163876 | 51.16 | PPBV | | 97 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 2603292 | 55.55 | PPBV | # | 67 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.247 | 105 | 9909252 | 51.34 | PPBV | # | 93 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 3067541 | 55.77 | PPBV | # | 77 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 6729808 | 49.34 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 3076474 | 61.52 | PPBV | # | 67 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 5060035 | 53.27 | PPBV | | 91 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 7021325 | 55.35 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 6957395 | 61.95 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 12050439 | 41.25 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 367475 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1638649 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 911415 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 367475 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1063310 | 10.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 104.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 609290 | 12.11 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 260396 | 9.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146420 | 10.39 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 632936 | 9.95 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1344712 | 10.01 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 286338 | 8.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1363042 | 9.91 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1731966 | 10.51 | PPBV | | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 156442 | 9.03 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572576 | 9.39 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 394416 | 9.64 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 729754 | 9.30 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 601870 | 9.37 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 259712 | 9.32 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1337017 | 9.71 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 408916 | 9.02 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 206598 | 10.43 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1322073 | 9.54 | PPBV | | 98 |
| 20) FREON 123A | 4.775 | 117 | 716793 | 9.72 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1280625 | 10.32 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 746766 | 9.50 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 228297 | 7.70 | PPBV | | 98 |
| 24) PENTANE | 5.234 | 42 | 361550 | 9.26 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 1165392 | 11.26 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 397014 | 10.32 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1188347 | 10.68 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 231689 | 8.04 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 574006 | 10.49 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 234694 | 7.62 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 367561 | 9.54 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 183296 | 10.31 | PPBV | | 94 |
| 33) FREON 113 | 5.822 | 151 | 692675 | 10.83 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 415687 | 10.23 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 838007 | 11.33 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1138293 | 10.93 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 182808 | 11.46 | PPBV | | 94 |
| 38) HEXANE | 7.706 | 57 | 580332 | 10.08 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.806 | 86 | 76162 | 11.57 | PPBV | # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 737374 | 9.76 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 183994 | 11.54 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 438839 | 10.40 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 182011 | 10.41 | PPBV | | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 132720 | 11.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 734957 | 10.50 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 994491 | 10.54 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 665821 | 10.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1027293 | 10.72 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1117143 | 11.04 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 644626 | 10.51 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1241071 | 10.45 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 497434 | 11.15 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 255937 | 10.63 | PPBV | | 95 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 628915 | 10.04 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 480413 | 9.53 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 607456 | 9.91 | PPBV | | 96 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 889260 | 11.18 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1129142 | 10.33 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1875164 | 10.40 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 305770 | 11.05 | PPBV | # | 88 |
| 62) HEPTANE | 11.034 | 43 | 644985 | 10.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 440067 | 11.15 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 365625 | 10.89 | PPBV | | 96 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 791718 | 10.34 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 897196 | 10.80 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 768595 | 10.52 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 763107 | 10.83 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 511400 | 10.19 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.365 | 58 | 533643 | 12.41 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 797333 | 12.67 | PPBV | | 97 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 678237 | 11.39 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1221557 | 12.62 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 968537 | 12.07 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 928927 | 11.60 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 789303 | 11.81 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1302463 | 11.10 | PPBV | | 98 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2069237 | 12.31 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.234 | 106 | 1576639 | 24.73 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 773169 | 12.49 | PPBV | | 97 |
| 82) STYRENE | 16.754 | 104 | 1182327 | 13.32 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 964575 | 11.55 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1229686 | 12.42 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1398226 | 11.24 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 977028 | 10.88 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2272900 | 11.87 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 1152759 | 10.66 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 580224 | 12.09 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 614508 | 12.66 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2276515 | 12.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1926471 | 12.75 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 964352 | 11.83 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 426733 | 12.94 | PPBV | | 97 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2101835 | 13.26 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1483124 | 11.88 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 2086019 | 12.26 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1425940 | 12.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 510021 | 12.96 | PPBV | | 95 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2045983 | 12.71 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 605096 | 13.08 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1345461 | 11.88 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 568438 | 13.36 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 980805 | 12.37 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1360841 | 12.77 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1285426 | 12.74 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 3116488 | 14.07 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2415970 | 8.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

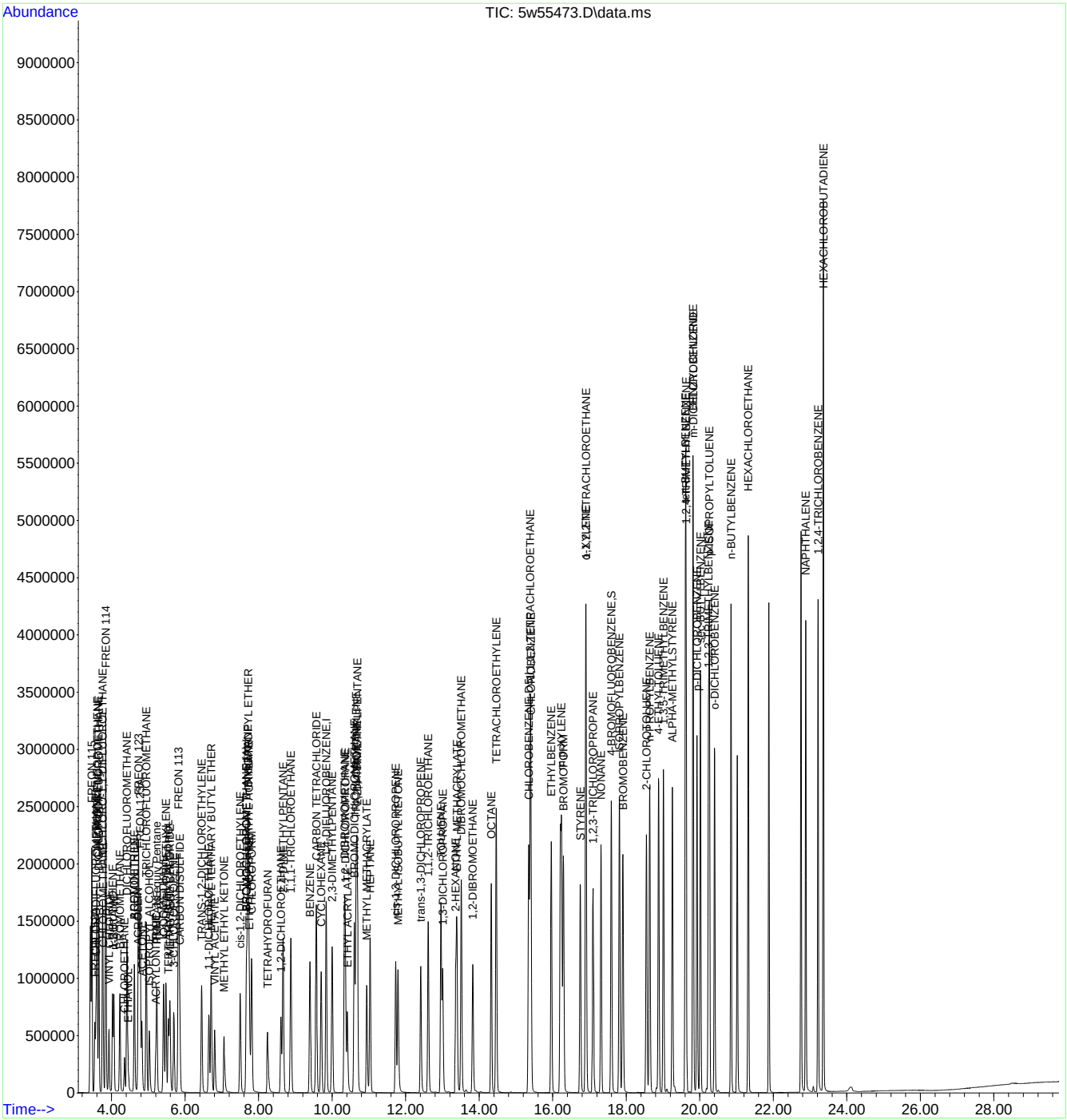
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1320983 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 829640 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 938681 | 10.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 490141 | 12.6307 | PPBV | 87 |
| 3) FREON 152A | 3.546 | 65 | 248979 | 11.8708 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 139788 | 12.8535 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 484866 | 9.8778 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1235881 | 11.9294 | PPBV | 99 |
| 7) PROPYLENE | 3.601 | 41 | 318999 | 12.2258 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1310116 | 12.3491 | PPBV | 97 |
| 9) FREON 114 | 3.839 | 85 | 1498369 | 11.7910 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.772 | 52 | 139843 | 10.4675 | PPBV # | 73 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 500361 | 10.6359 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 328558 | 10.4069 | PPBV # | 82 |
| 13) n-BUTANE | 4.066 | 43 | 673554 | 11.1214 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 503106 | 10.1489 | PPBV | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 218128 | 10.1465 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1182527 | 11.1281 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 381104 | 10.8940 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 174216 | 11.4045 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1208215 | 11.2970 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 627646 | 11.0370 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1106838 | 11.5611 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 701344 | 11.5619 | PPBV | 96 |
| 23) ACETONE | 4.818 | 58 | 190094 | 8.3139 | PPBV # | 73 |
| 24) PENTANE | 5.234 | 42 | 382516 | 12.6939 | PPBV | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1048284 | 13.1253 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 350278 | 11.8046 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1106323 | 12.8869 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 228093 | 10.2598 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 464023 | 10.9881 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.197 | 52 | 227386 | 9.5736 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 336437 | 11.3149 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 178242 | 13.0003 | PPBV # | 87 |
| 33) FREON 113 | 5.821 | 151 | 646266 | 13.0999 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 362444 | 11.5588 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 711279 | 12.4651 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1081108 | 13.4514 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 173340 | 14.0890 | PPBV | 93 |
| 38) HEXANE | 7.699 | 57 | 571589 | 12.8683 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 62812 | 12.3718 | PPBV # | 69 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 730632 | 12.5370 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 181023 | 14.7210 | PPBV # | 84 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 388757 | 11.9483 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 173894 | 12.8880 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.748 | 61 | 131535 | 14.5003 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 737514 | 13.6580 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 932936 | 12.8195 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 643935 | 13.2559 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 932528 | 12.6198 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 977527 | 12.5168 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 663626 | 14.0198 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1170534 | 12.2253 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 450644 | 12.5296 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 244517 | 12.5920 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 563731 | 11.1681 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 455764 | 11.2146 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 640573 | 12.9639 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 894070 | 13.9460 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1096175 | 12.4360 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1810078 | 12.4491 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 262414 | 11.7689 | PPBV | # | 87 |
| 62) | HEPTANE | 11.027 | 43 | 692024 | 13.6267 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 435827 | 13.6920 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 353359 | 13.0593 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 805461 | 13.0465 | PPBV | | 93 |
| 66) | TOLUENE | 12.961 | 92 | 771776 | 11.5242 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 721866 | 12.2521 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 730655 | 12.8581 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 477290 | 11.7978 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.358 | 58 | 505319 | 12.9114 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 748660 | 13.0646 | PPBV | | 94 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 646497 | 11.9302 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 957673 | 10.8685 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 821840 | 11.2479 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1000955 | 13.7360 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 625512 | 10.2814 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1074618 | 10.0617 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 1824972 | 11.9314 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1282140 | 22.0915 | PPBV | | 93 |
| 81) | o-XYLENE | 16.900 | 106 | 643598 | 11.4241 | PPBV | | 92 |
| 82) | STYRENE | 16.747 | 104 | 987985 | 12.2269 | PPBV | | 96 |
| 83) | NONANE | 17.310 | 43 | 1057154 | 13.9014 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1332200 | 14.7771 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1314867 | 11.6113 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 931482 | 11.3923 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1869433 | 10.7239 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1084437 | 11.0142 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 452203 | 10.3535 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 482605 | 10.9202 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 1913832 | 11.8952 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1598724 | 11.6271 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 753685 | 10.1544 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 323983 | 10.7921 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1752820 | 12.1500 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1265483 | 11.1404 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1786034 | 11.5343 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1231073 | 11.6079 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 389937 | 10.8867 | PPBV | # | 88 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1704534 | 11.6335 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 453456 | 10.7719 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1154974 | 11.2005 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 440098 | 11.3651 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 908545 | 12.5865 | PPBV | # | 81 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1704722 | 17.5722 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1397381 | 15.2088 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2277222 | 11.2912 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2517105 | 11.3419 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

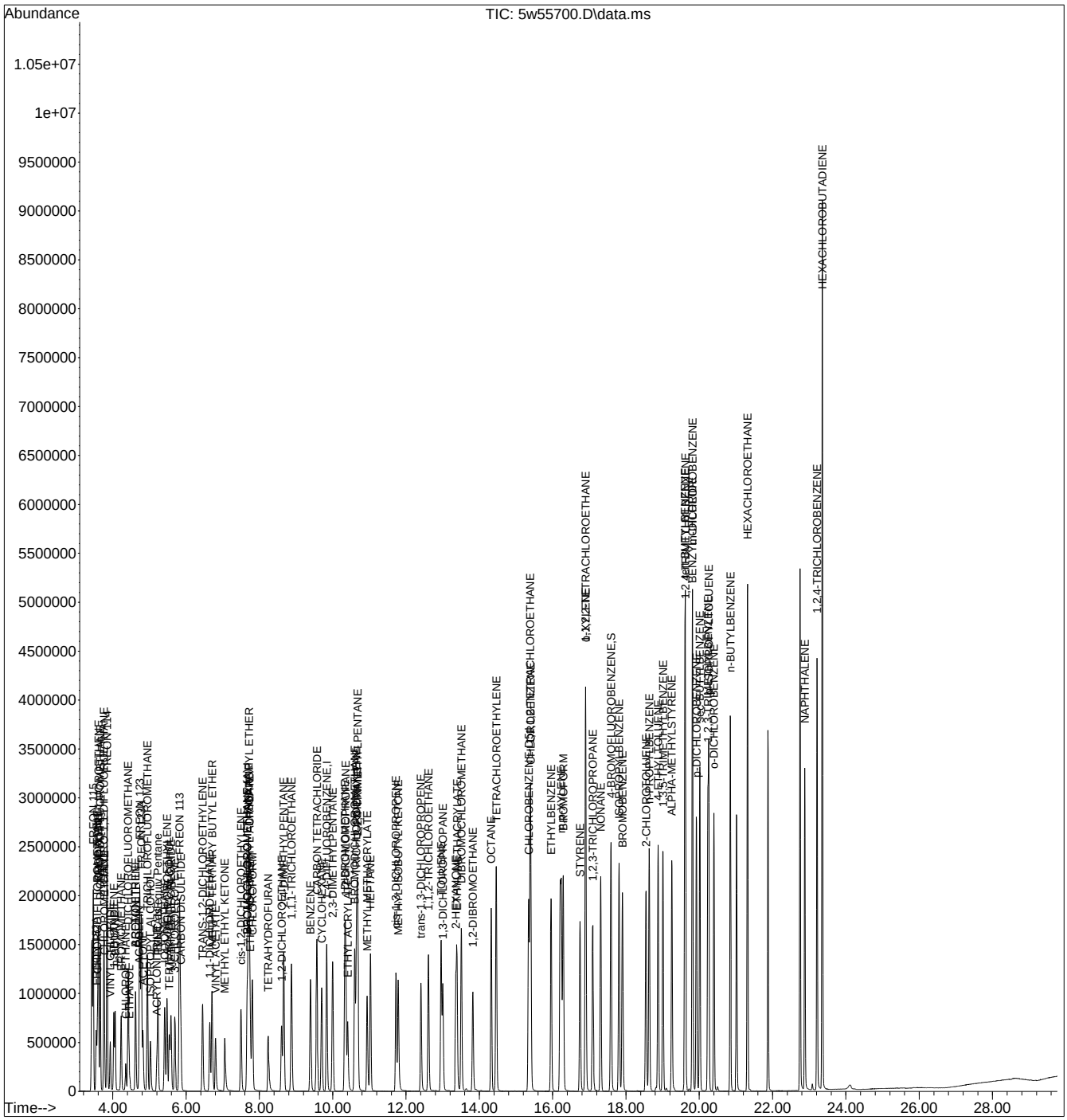
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 318888 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1469982 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 896125 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 318888 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1008742 | 10.06 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.60% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 624218 | 14.3002 | PPBV | | 95 |
| 3) FREON 152A | 3.546 | 65 | 317951 | 13.4765 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 161801 | 13.2261 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 653547 | 11.8362 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1475918 | 12.6650 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 381974 | 13.0143 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1211334 | 10.1505 | PPBV | | 99 |
| 9) FREON 114 | 3.845 | 85 | 1411506 | 9.8745 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128319 | 8.5387 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 458589 | 8.6659 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 298397 | 8.4024 | PPBV | | 83 |
| 13) n-BUTANE | 4.066 | 43 | 602522 | 8.8442 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 477772 | 8.5680 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 205540 | 8.4996 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1085746 | 9.0832 | PPBV | | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 339144 | 8.6184 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 158132 | 9.2025 | PPBV | | 99 |
| 19) FREON 123 | 4.732 | 83 | 1139561 | 9.4723 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 620886 | 9.7062 | PPBV | | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1263194 | 11.7297 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 803523 | 11.7760 | PPBV | | 98 |
| 23) ACETONE | 4.824 | 58 | 180153 | 7.0045 | PPBV | # | 81 |
| 24) PENTANE | 5.234 | 42 | 429102 | 12.6592 | PPBV | | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 1191766 | 13.2654 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 398323 | 11.9336 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1235064 | 12.7895 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 207634 | 8.3028 | PPBV | | 99 |
| 29) BROMOETHENE | 4.622 | 106 | 460244 | 9.6888 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.204 | 52 | 256089 | 9.5852 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 375160 | 11.2167 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 201866 | 13.0889 | PPBV | | 96 |
| 33) FREON 113 | 5.821 | 151 | 732704 | 13.2034 | PPBV | | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 419403 | 11.8906 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 775362 | 12.0798 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1228936 | 13.5933 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 197620 | 14.2794 | PPBV | | 98 |
| 38) HEXANE | 7.700 | 57 | 627757 | 12.5641 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.806 | 86 | 75731 | 13.2606 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 811475 | 12.3786 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 202233 | 14.6202 | PPBV | # | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 442713 | 12.0962 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 190748 | 12.5678 | PPBV | # | 88 |
| 44) ETHYL ACETATE | 7.748 | 61 | 145181 | 14.2280 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 800096 | 13.1722 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1039127 | 12.6937 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 723012 | 13.2316 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1035484 | 12.4576 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1102538 | 12.5504 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 708904 | 13.3139 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1342299 | 12.5982 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 516137 | 12.8959 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 282810 | 13.0878 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 633242 | 11.2736 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 510553 | 11.2893 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 755528 | 13.7405 | PPBV | | 81 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 981600 | 13.7593 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1206214 | 12.2973 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1990028 | 12.2995 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 299962 | 12.0893 | PPBV | # | 81 |
| 62) | HEPTANE | 11.028 | 43 | 752488 | 13.3154 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 481560 | 13.5953 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 388890 | 12.9157 | PPBV | | 87 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 908137 | 13.2187 | PPBV | | 97 |
| 66) | TOLUENE | 12.961 | 92 | 887710 | 11.9118 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 820517 | 12.5149 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 828355 | 13.0998 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 537644 | 11.9426 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.358 | 58 | 560900 | 13.2683 | PPBV | | 87 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 835523 | 13.4987 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 747063 | 12.7632 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1097540 | 11.5317 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 940751 | 11.9201 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1084120 | 13.7735 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 720856 | 10.9694 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1232114 | 10.6804 | PPBV | | 95 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 2076562 | 12.5690 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1471828 | 23.4783 | PPBV | | 95 |
| 81) | o-XYLENE | 16.901 | 106 | 720486 | 11.8401 | PPBV | | 95 |
| 82) | STYRENE | 16.748 | 104 | 1142420 | 13.0892 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 1130936 | 13.7682 | PPBV | | 99 |
| 84) | BROMOFORM | 16.289 | 173 | 1519883 | 15.6082 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1428324 | 11.6774 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1030429 | 11.6674 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2152989 | 11.4342 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1211657 | 11.3933 | PPBV | | 93 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 534316 | 11.3259 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 567338 | 11.8851 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2199724 | 12.6578 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1831439 | 12.3314 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 879694 | 10.9728 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 380904 | 11.7468 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1961577 | 12.5882 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1422500 | 11.5936 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1933734 | 11.5617 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1409874 | 12.3075 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 455920 | 11.7845 | PPBV | | 94 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1931074 | 12.2018 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 529338 | 11.6416 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1318774 | 11.8402 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525567 | 12.5653 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1006137 | 12.9044 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 2010215 | 19.1838 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1700363 | 17.1334 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2718914 | 12.4811 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 2774316 | 11.1132 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

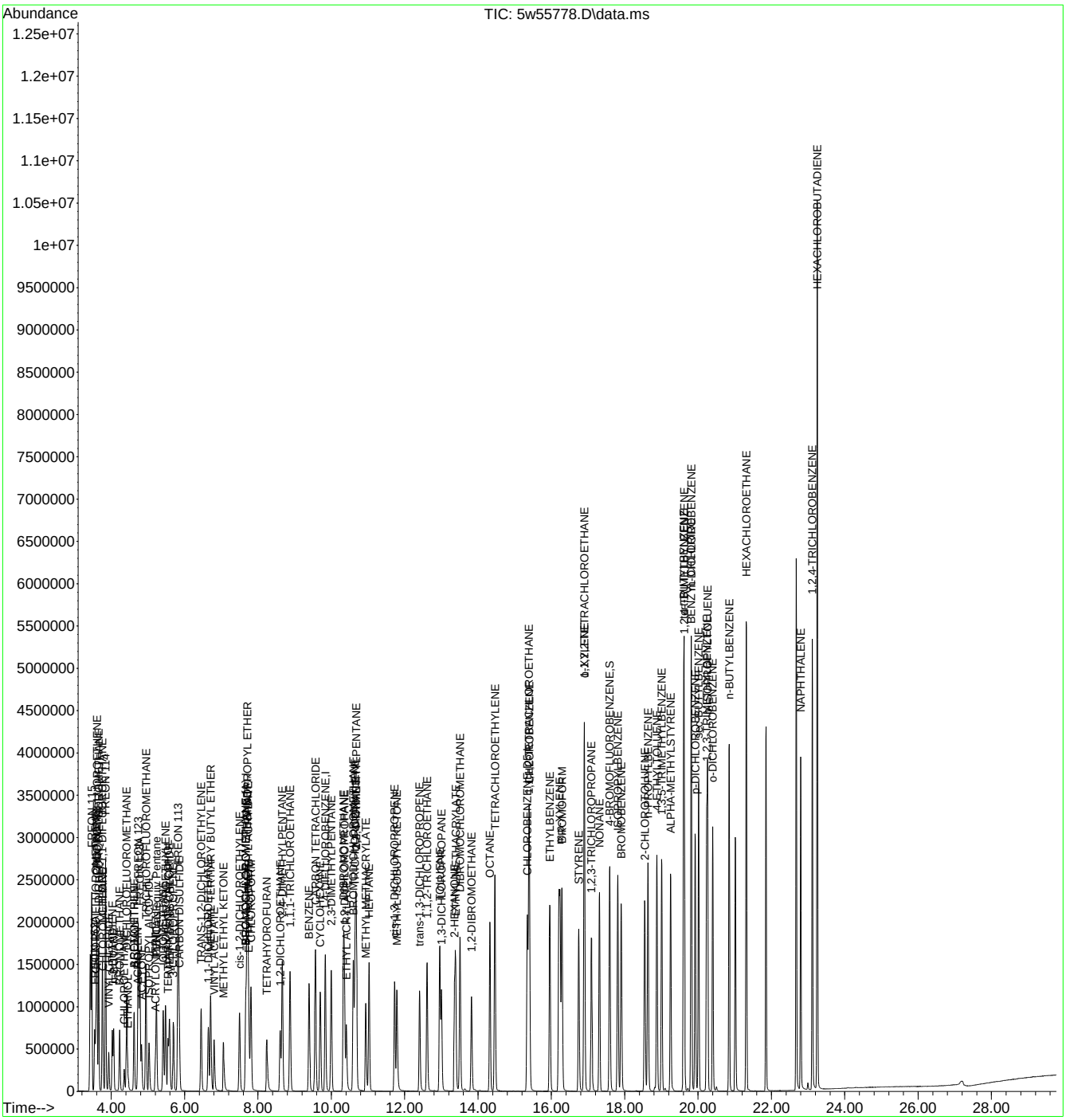
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 263070 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1217301 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 738303 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 263070 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 828145 | 10.02 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 443684 | 12.3210 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 212489 | 10.9174 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 118141 | 11.7063 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 455636 | 10.0028 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1073218 | 11.1634 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 257735 | 10.6445 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1120022 | 11.3767 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1412169 | 11.9753 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 124915 | 10.0759 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 476330 | 10.9110 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 312743 | 10.6749 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 620169 | 11.0348 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 475235 | 10.3309 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209737 | 10.5135 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1073511 | 10.8864 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 340326 | 10.4835 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 158371 | 11.1720 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 1097141 | 11.0548 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 579782 | 10.9867 | PPBV | | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 992534 | 11.1719 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 589792 | 10.4777 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 174326 | 8.2161 | PPBV | | 90 |
| 24) PENTANE | 5.228 | 42 | 306426 | 10.9582 | PPBV | | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 939913 | 12.6819 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 296637 | 10.7728 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 905072 | 11.3609 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 218980 | 10.6145 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 433197 | 11.0544 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.198 | 52 | 185208 | 8.4030 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 279330 | 10.1235 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 147321 | 11.5790 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 589276 | 12.8719 | PPBV | | 83 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 307408 | 10.5646 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 581566 | 10.9830 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 919622 | 12.3303 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 148350 | 12.9937 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 459701 | 11.1527 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 56579 | 12.0092 | PPBV | | 99 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 598323 | 11.0636 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153607 | 13.4611 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 329132 | 10.9009 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 144614 | 11.5498 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.742 | 61 | 103860 | 12.3381 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 588812 | 11.7506 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 773655 | 11.4560 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 526334 | 11.6760 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 772811 | 11.2702 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 830049 | 11.4534 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 534819 | 12.1757 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003717 | 11.3759 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 396422 | 11.9608 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 212277 | 11.8628 | PPBV | | 91 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 483189 | 10.3878 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 382961 | 10.2258 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 614707 | 13.5000 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 721337 | 12.2100 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 909013 | 11.1910 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1465609 | 10.9385 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 227029 | 11.0492 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 560388 | 11.9745 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 372004 | 12.6823 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 297634 | 11.9368 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 688807 | 12.1073 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 690703 | 11.1921 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 615745 | 11.3411 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622635 | 11.8904 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 405394 | 10.8742 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429888 | 12.3429 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646680 | 12.6811 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628528 | 13.0335 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 865933 | 11.0431 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 716152 | 11.0140 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 821392 | 12.6663 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 554115 | 10.2346 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 950698 | 10.0026 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1588334 | 11.6689 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.209 | 106 | 1164310 | 22.5430 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 571423 | 11.3978 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 888220 | 12.3521 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 857369 | 12.6690 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1248720 | 15.5647 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1093404 | 10.8501 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 770661 | 10.5914 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1668204 | 10.7534 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 920121 | 10.5015 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 405141 | 10.4235 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 441199 | 11.2183 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1704719 | 11.9063 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1434926 | 11.7269 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 695654 | 10.5321 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 311530 | 11.6610 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1567244 | 12.2076 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1161828 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1522621 | 11.0497 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1135811 | 12.0346 | PPBV | | 95 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 373153 | 11.7069 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1526328 | 11.7060 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432797 | 11.5531 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1063562 | 11.5900 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 424199 | 12.3098 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 800997 | 12.4694 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1750424 | 20.2754 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1448982 | 17.7214 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2170339 | 12.0926 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2047811 | 9.9435 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

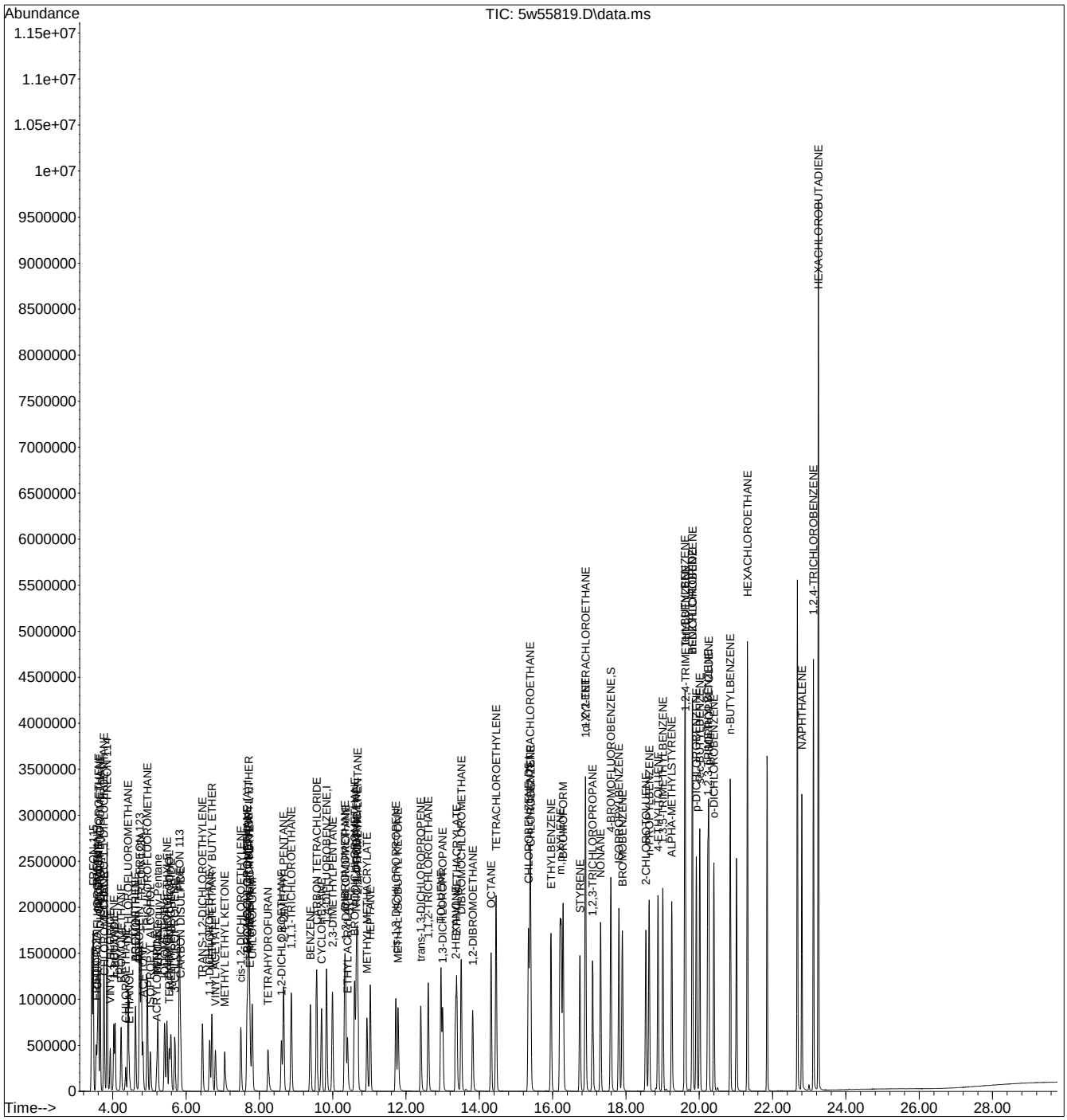
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 435174 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 379594 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 275352 | 9.89 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 521 | 0.05 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 283 | 0.05 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 125 | 0.04 | PPBV | # | 38 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 644 | 0.05 | PPBV | | 79 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 1424 | 0.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 412 | 0.05 | PPBV | # | 75 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1198 | 0.04 | PPBV | # | 77 |
| 9) FREON 114 | 1.759 | 85 | 1188 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.733 | 52 | 270 | 0.06 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 622 | 0.05 | PPBV | # | 84 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 532 | 0.05 | PPBV | # | 38 |
| 13) N-BUTANE | 1.849 | 43 | 921 | 0.05 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.910 | 94 | 499 | 0.05 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.958 | 64 | 295 | 0.04 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 1087 | 0.04 | PPBV | # | 74 |
| 17) ACETONITRILE | 2.055 | 41 | 1005 | 0.07 | PPBV | # | 82 |
| 19) FREON 123 | 2.106 | 83 | 1209 | 0.04 | PPBV | | 92 |
| 20) FREON 123A | 2.126 | 117 | 644 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.190 | 101 | 1284 | 0.04 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 2.229 | 45 | 1604 | 0.05 | PPBV | # | 74 |
| 23) ACETONE | 2.142 | 58 | 1052 | 0.10 | PPBV | | 91 |
| 24) PENTANE | 2.306 | 42 | 809 | 0.05 | PPBV | # | 91 |
| 25) IODOMETHANE | 2.367 | 142 | 1057 | 0.04 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 495 | 0.04 | PPBV | | 92 |
| 27) CARBON DISULFIDE | 2.528 | 76 | 1277 | 0.04 | PPBV | # | 75 |
| 28) ETHANOL | 2.000 | 45 | 820 | 0.07 | PPBV | # | 64 |
| 29) BROMOETHENE | 2.061 | 106 | 450 | 0.04 | PPBV | # | 80 |
| 30) ACRYLONITRILE | 2.277 | 52 | 632 | 0.06 | PPBV | | 87 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 890 | 0.07 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 287 | 0.05 | PPBV | # | 1 |
| 33) FREON 113 | 2.521 | 151 | 715 | 0.04 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 522 | 0.04 | PPBV | | 78 |
| 35) TERTIARY BUTYL ALCOHOL | 2.447 | 59 | 1139 | 0.04 | PPBV | # | 51 |
| 36) METHYL TERTIARY BUTYL ... | 2.878 | 73 | 1180 | 0.04 | PPBV | # | 81 |
| 37) TETRAHYDROFURAN | 3.598 | 72 | 164 | 0.03 | PPBV | # | 47 |
| 38) HEXANE | 3.322 | 57 | 1231 | 0.05 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.910 | 86 | 51 | 0.02 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 955 | 0.04 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 219 | 0.04 | PPBV | # | 14 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 521 | 0.04 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 208 | 0.03 | PPBV | | 43 |
| 44) ETHYL ACETATE | 3.341 | 61 | 177 | 0.04 | PPBV | # | 83 |
| 45) METHYL ACRYLATE | 3.328 | 55 | 948 | 0.04 | PPBV | | 90 |
| 46) CHLOROFORM | 3.344 | 83 | 987 | 0.04 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1018 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 923 | 0.04 | PPBV | | 93 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 765 | 0.03 | PPBV | | 94 |
| 50) 1,2-DICHLOROETHANE | 3.749 | 62 | 737 | 0.04 | PPBV | # | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

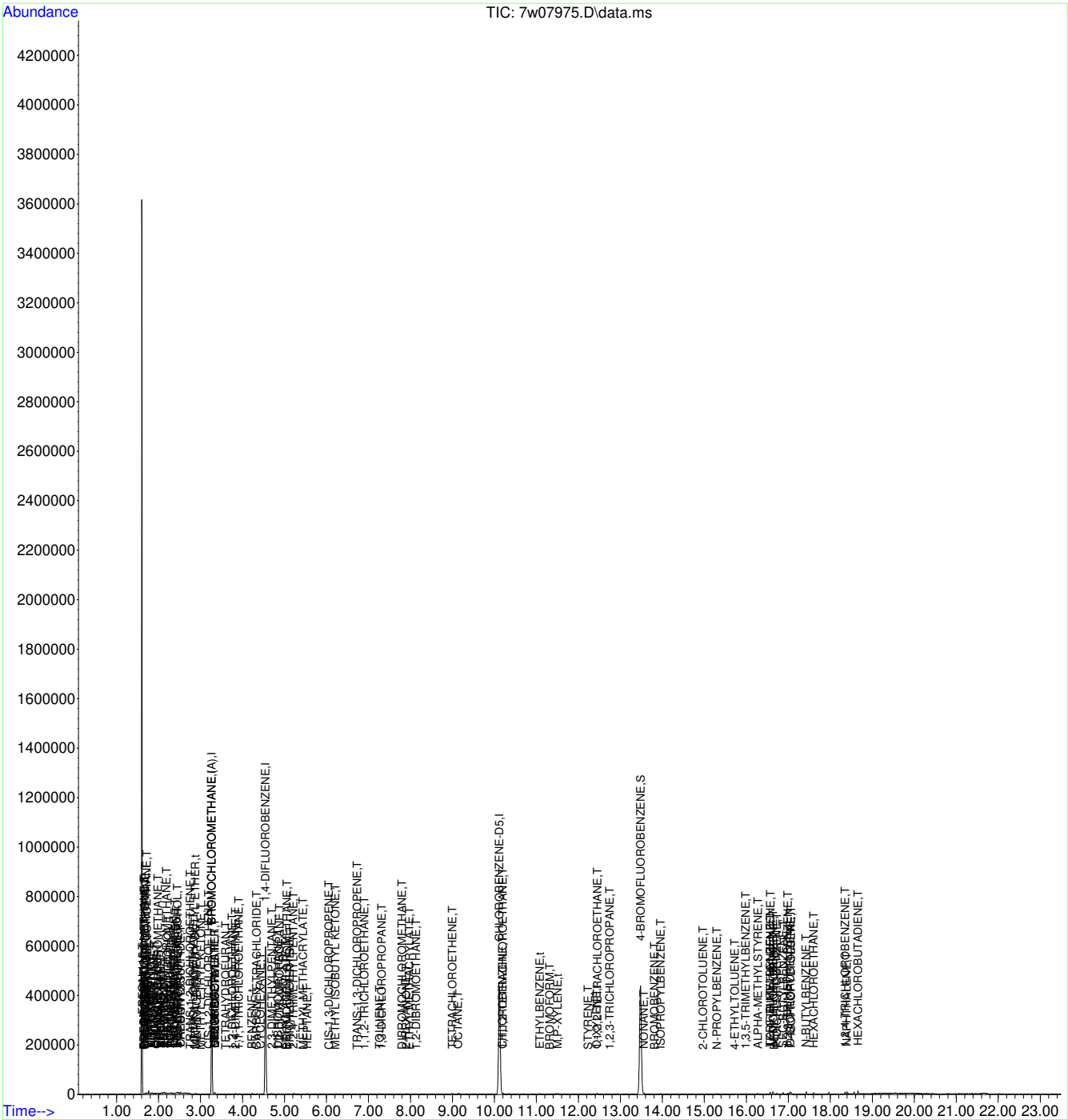
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) BENZENE | 4.219 | 78 | 1765 | 0.05 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.428 | 84 | 693 | 0.04 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 323 | 0.04 | PPBV | # | 73 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 728 | 0.04 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.884 | 63 | 609 | 0.04 | PPBV | # | 86 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 617 | 0.04 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 5.032 | 55 | 1286 | 0.04 | PPBV | # | 86 |
| 59) BROMODICHLOROMETHANE | 5.061 | 83 | 937 | 0.04 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 3047 | 0.04 | PPBV | # | 93 |
| 62) HEPTANE | 5.540 | 43 | 1123 | 0.04 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.447 | 69 | 574 | 0.04 | PPBV | # | 85 |
| 64) METHYL ISOBUTYL KETONE | 6.206 | 58 | 746 | 0.05 | PPBV | # | 1 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 655 | 0.03 | PPBV | | 86 |
| 66) TOLUENE | 7.264 | 91 | 2052 | 0.04 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.315 | 76 | 924 | 0.04 | PPBV | # | 84 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.730 | 75 | 422 | 0.03 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.904 | 83 | 497 | 0.04 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.900 | 58 | 1104 | 0.05 | PPBV | # | 95 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 838 | 0.04 | PPBV | # | 87 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 878 | 0.05 | PPBV | | 93 |
| 73) DIBROMOCHLOROMETHANE | 7.797 | 129 | 793 | 0.03 | PPBV | | 92 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 952 | 0.04 | PPBV | # | 99 |
| 75) OCTANE | 9.135 | 43 | 2128 | 0.06 | PPBV | # | 79 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.196 | 131 | 638 | 0.04 | PPBV | | 86 |
| 78) CHLOROBENZENE | 10.190 | 112 | 1477 | 0.04 | PPBV | # | 87 |
| 79) ETHYLBENZENE | 11.080 | 91 | 2859 | 0.05 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.505 | 91 | 4346m | 0.09 | PPBV | | |
| 81) O-XYLENE | 12.434 | 91 | 2112 | 0.04 | PPBV | | 84 |
| 82) STYRENE | 12.231 | 104 | 1406 | 0.04 | PPBV | # | 67 |
| 83) NONANE | 13.556 | 43 | 1791 | 0.05 | PPBV | # | 83 |
| 84) BROMOFORM | 11.318 | 173 | 690m | 0.03 | PPBV | | |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 1288 | 0.04 | PPBV | # | 90 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.743 | 75 | 1102 | 0.04 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 662 | 0.04 | PPBV | | 78 |
| 89) BROMOBENZENE | 13.810 | 77 | 1167 | 0.03 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.964 | 126 | 643 | 0.04 | PPBV | # | 62 |
| 91) N-PROPYLBENZENE | 15.299 | 120 | 676 | 0.04 | PPBV | # | 62 |
| 92) 4-ETHYLTOLUENE | 15.723 | 105 | 2657m | 0.04 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.987 | 105 | 2186 | 0.04 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.276 | 118 | 1080 | 0.04 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 543 | 0.04 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 2186 | 0.04 | PPBV | | 95 |
| 97) BENZYL CHLORIDE | 16.662 | 91 | 535 | 0.02 | PPBV | # | 61 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 1366 | 0.04 | PPBV | | 94 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 1547 | 0.04 | PPBV | | 97 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 1438 | 0.04 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 621 | 0.04 | PPBV | | 88 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 2316 | 0.04 | PPBV | # | 89 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 687 | 0.04 | PPBV | | 94 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 648 | 0.04 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 508 | 0.03 | PPBV | | 93 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 1096 | 0.04 | PPBV | | 95 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1301 | 0.04 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 4007 | 0.04 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.306 | TIC | 3733m | 0.04 | PPBV | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



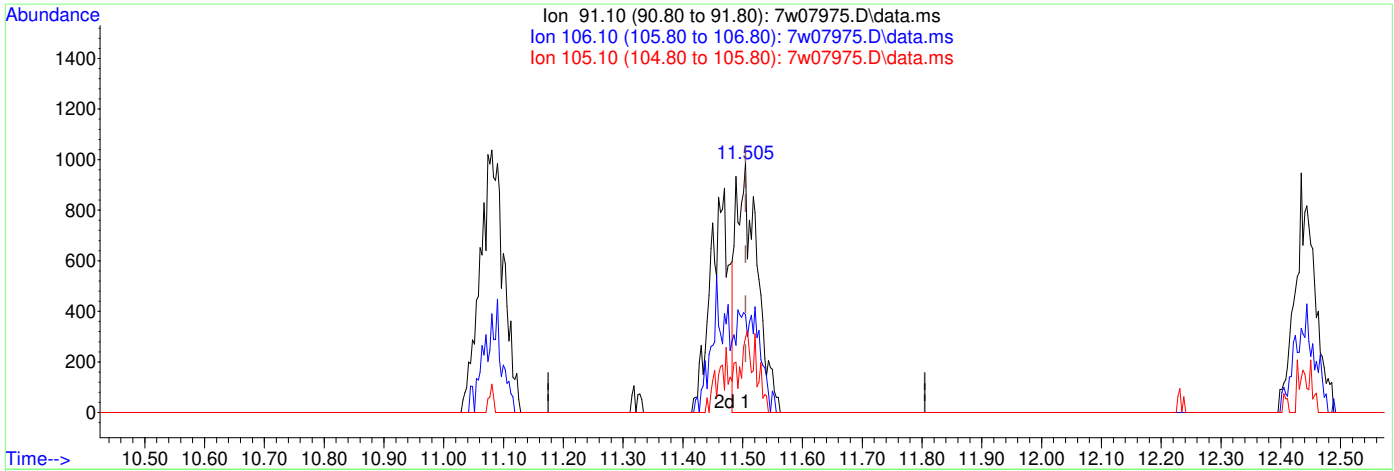
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
**Injection Time:** 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

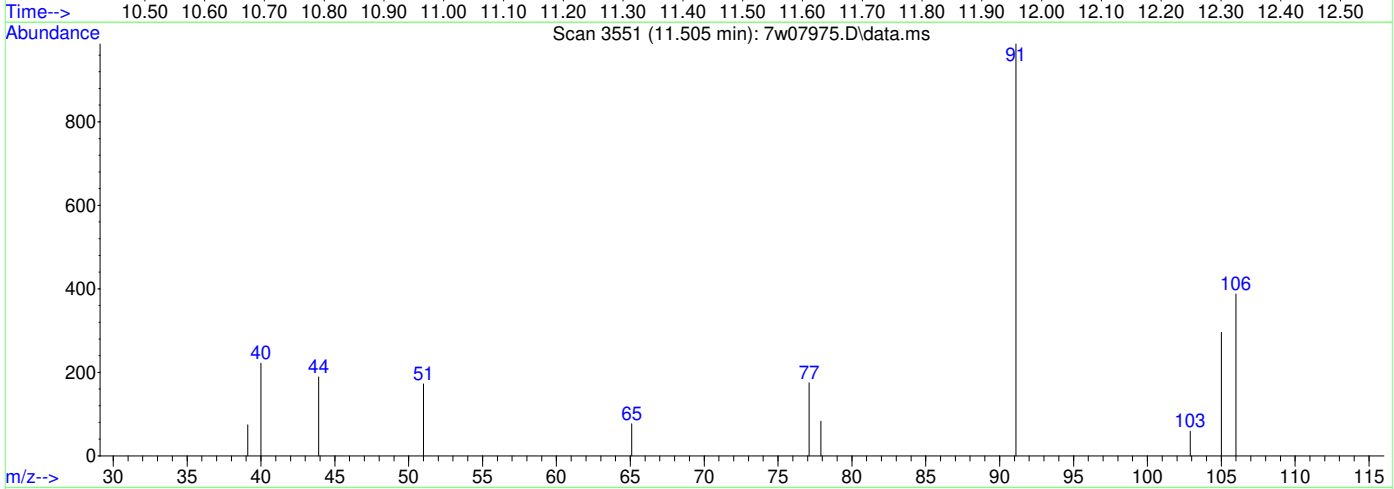
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| TVHC As Equiv Pentane | | | 2.31 | Poor instrument integration |
| Bromoform | 75-25-2 | | 11.32 | Split peak |
| m,p-Xylene | | | 11.50 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.72 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

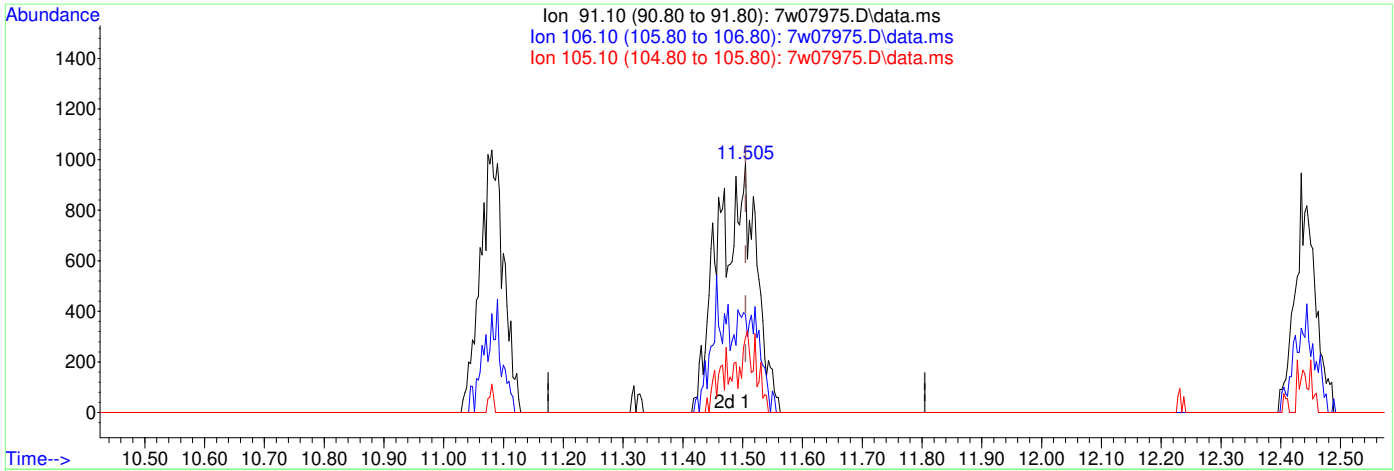
response 2415

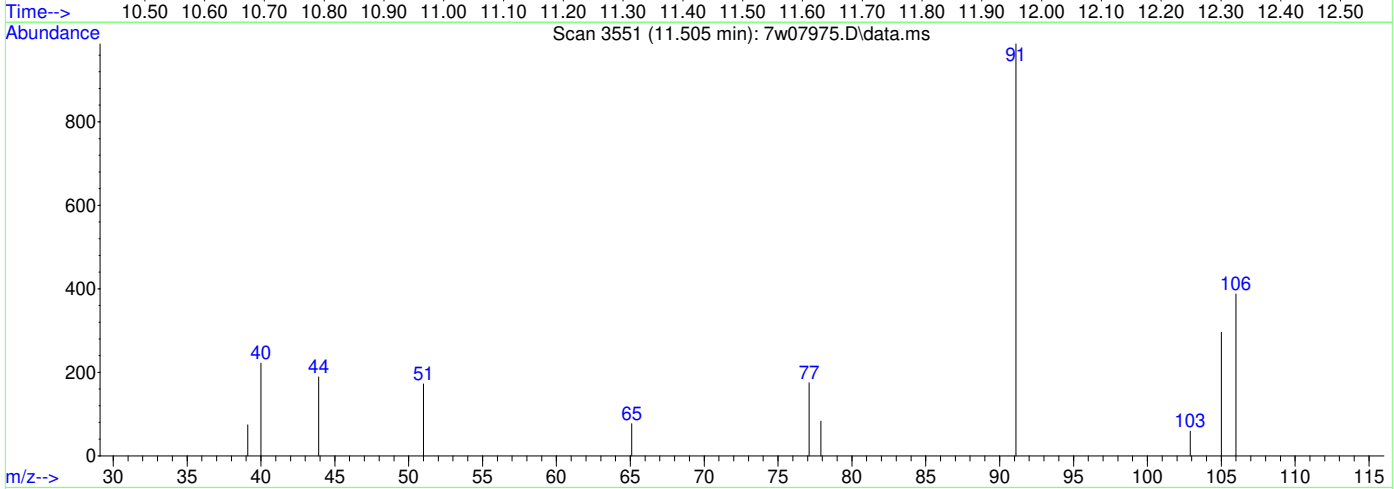
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 17.97 |
| 105.10 | 11.30 | 30.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

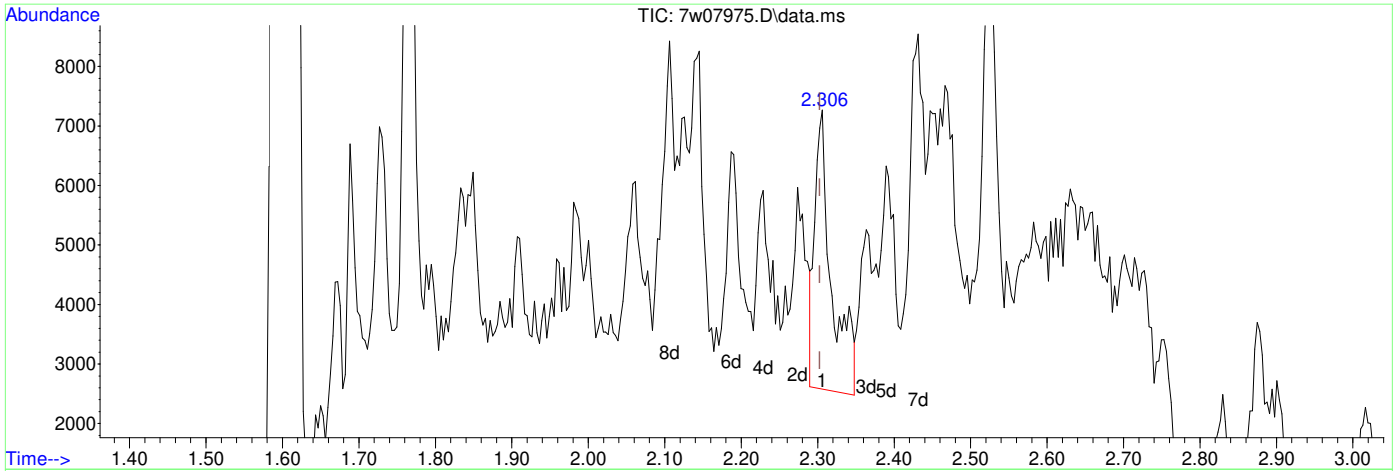
response 4346

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 9.99 |
| 105.10 | 11.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

response 7138

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

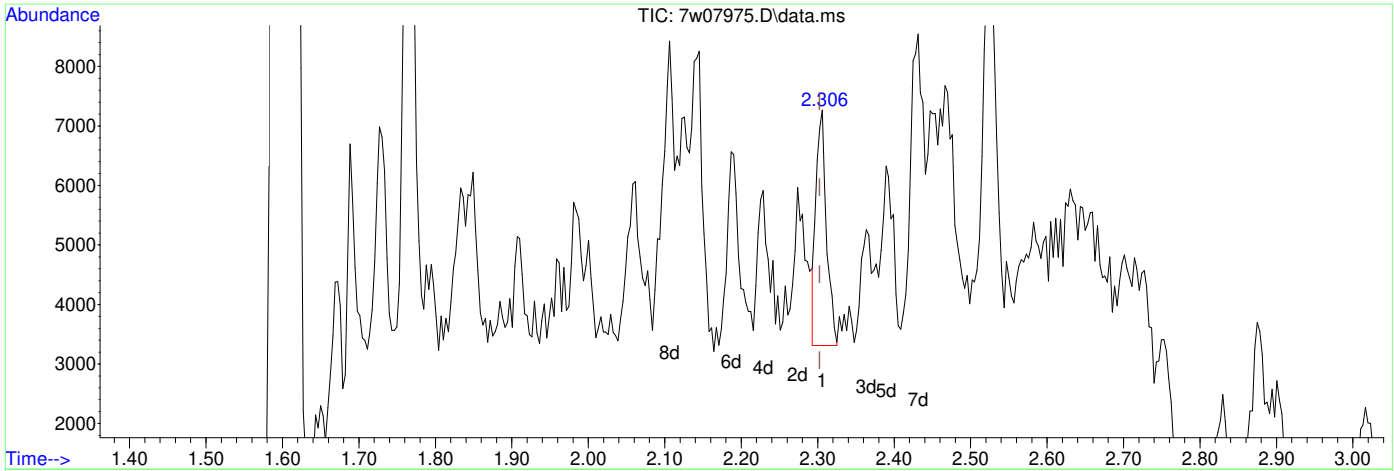


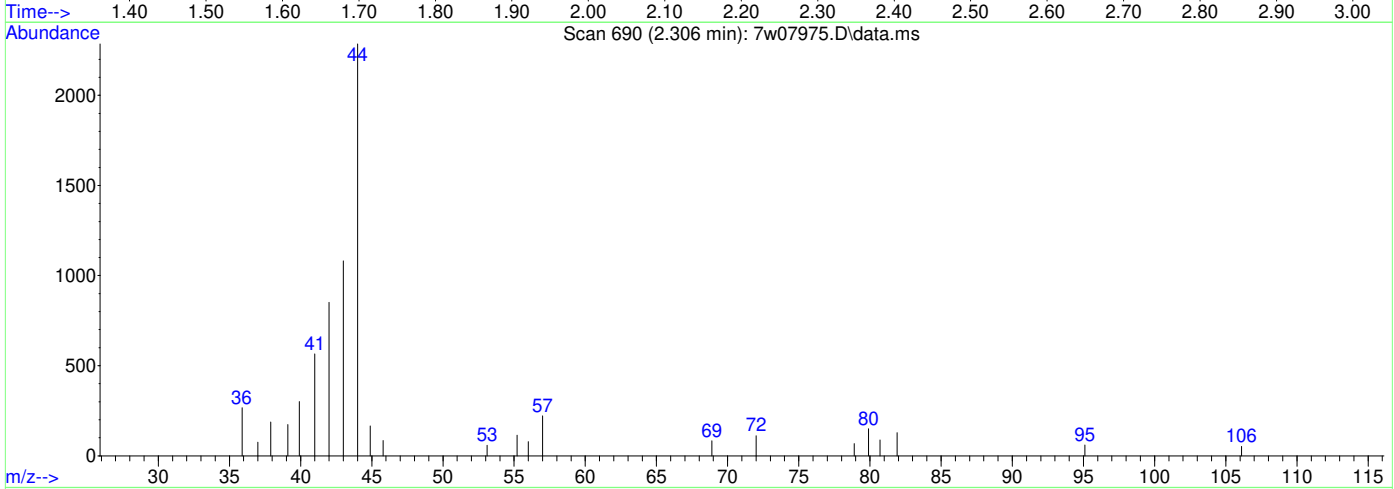
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

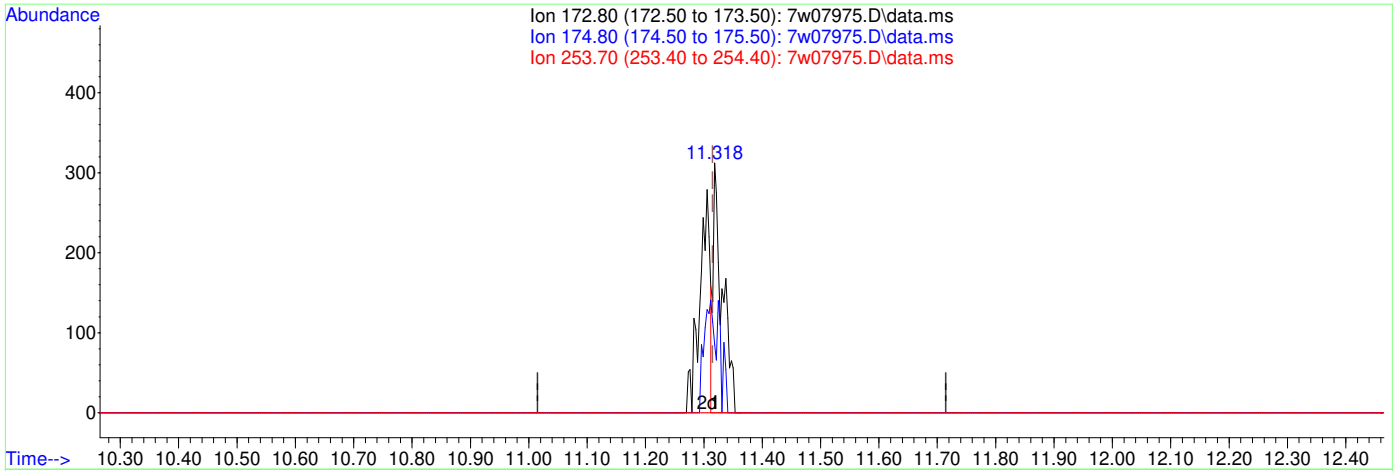
response 3733

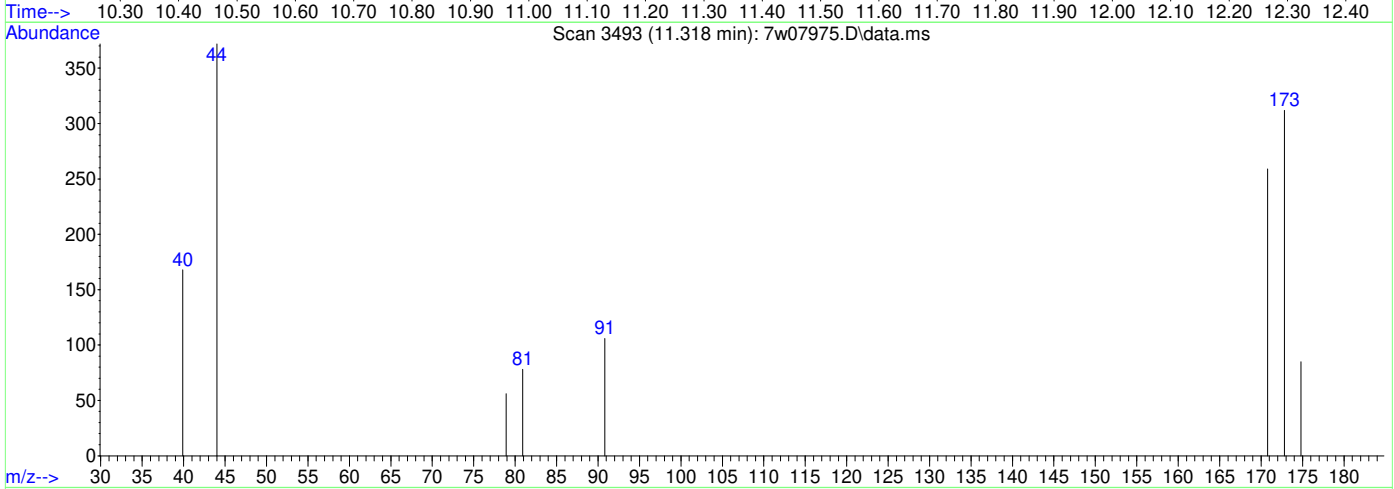
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

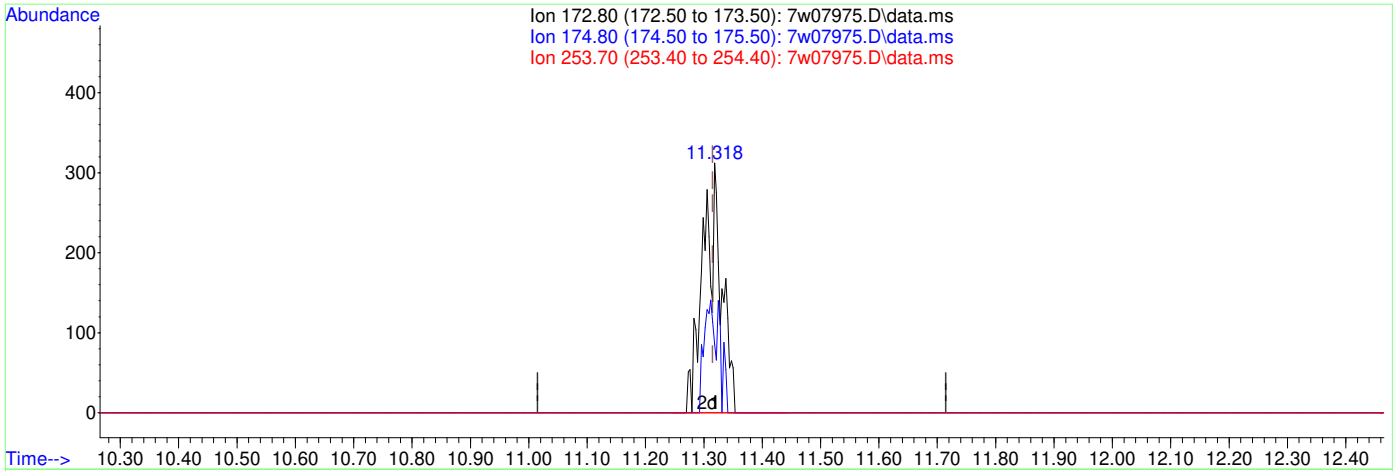
response 343

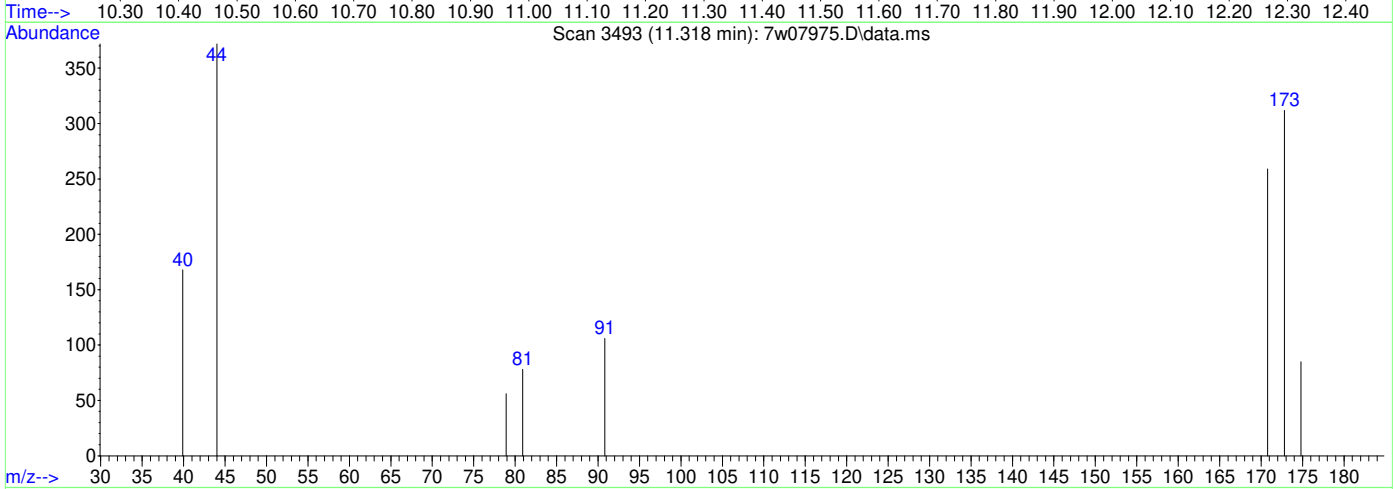
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 73.76# |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

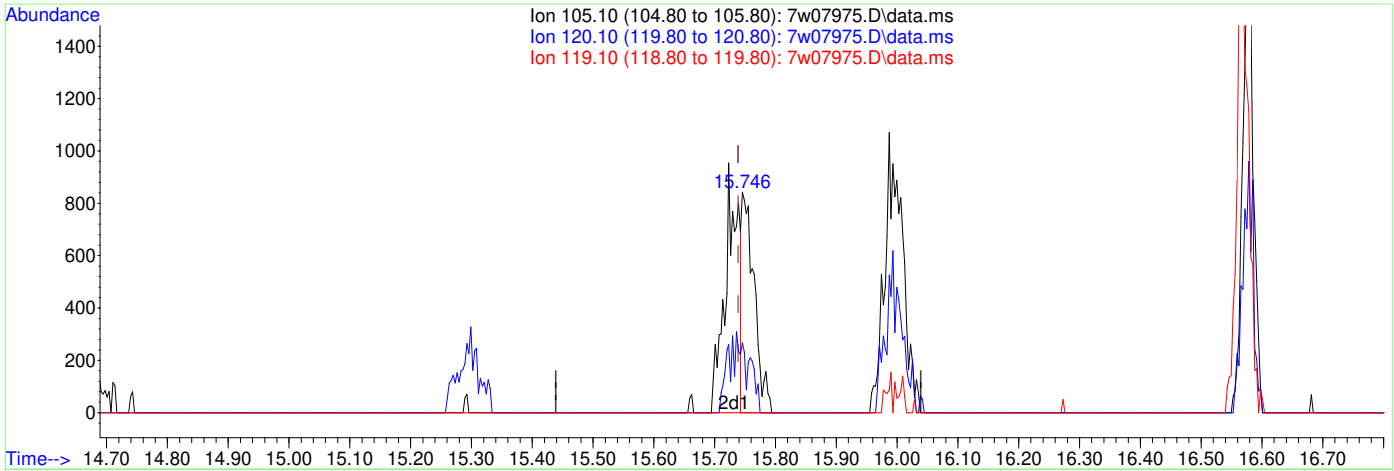
response 690

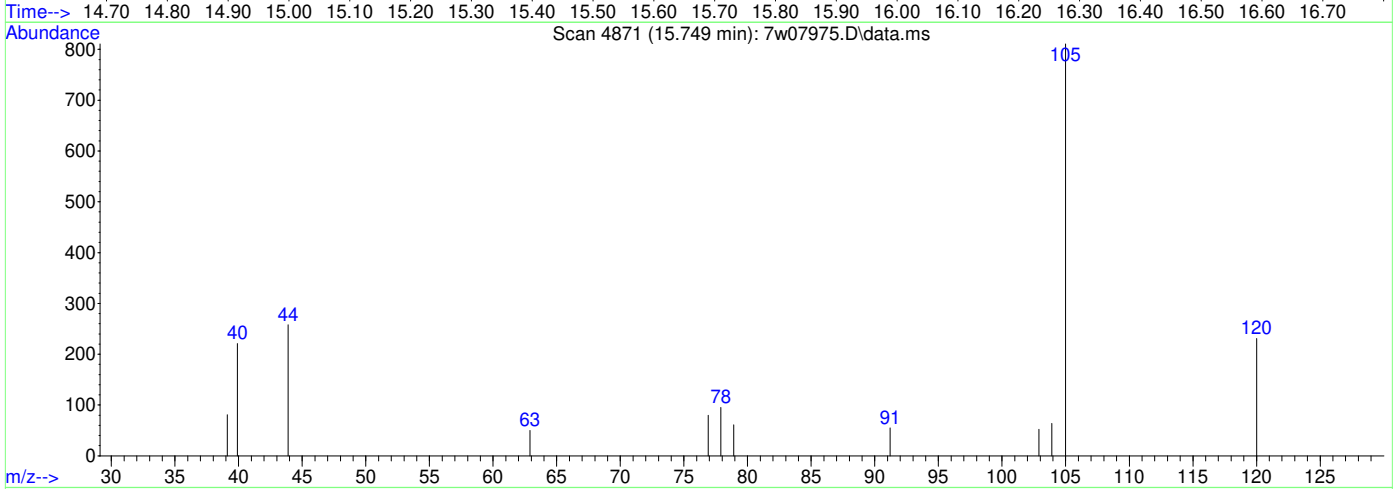
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 36.67 |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

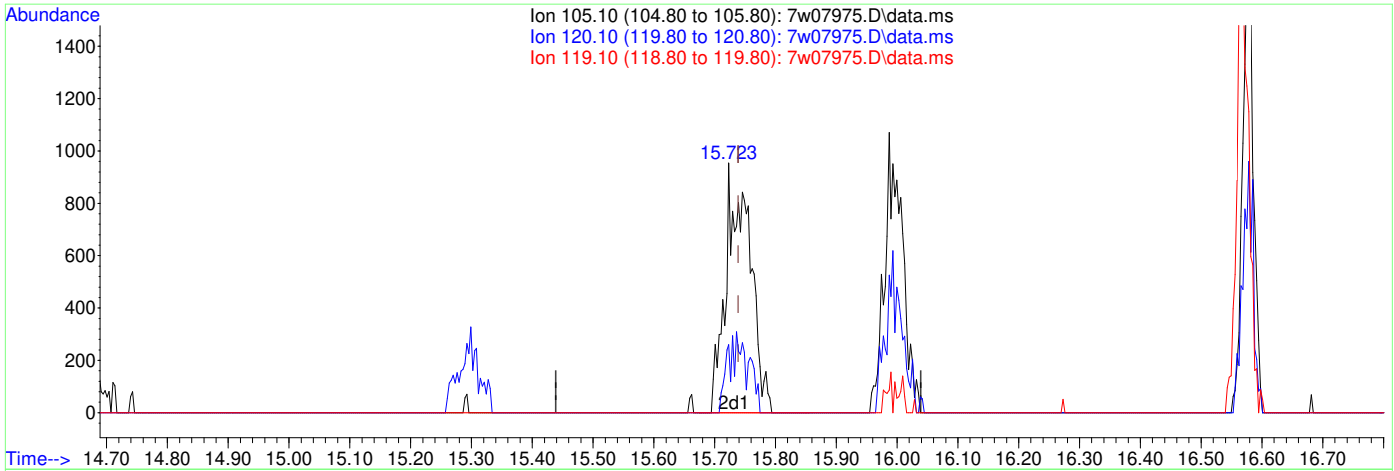
response 1190

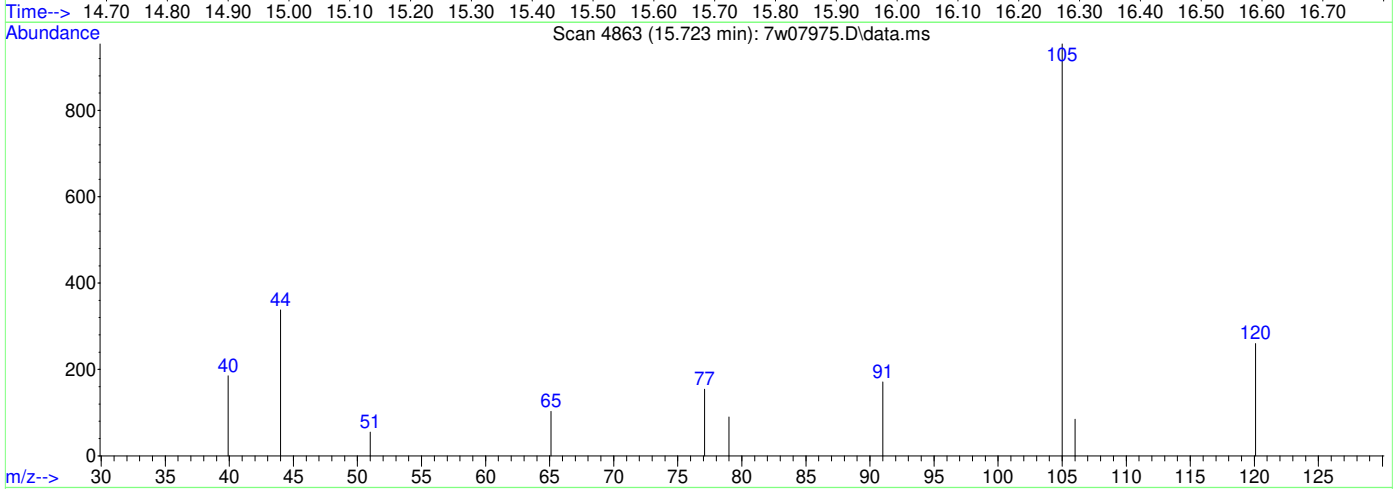
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 59.66# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 26.72 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 426374 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 372534 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 268355 | 9.65 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 1189 | 0.11 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 621 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 284 | 0.10 | PPBV | | 86 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 1478 | 0.11 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 3366 | 0.09 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 1040 | 0.13 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 2851 | 0.09 | PPBV | # | 85 |
| 9) FREON 114 | 1.762 | 85 | 3135 | 0.10 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 472 | 0.09 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 1305 | 0.09 | PPBV | # | 96 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 1195 | 0.09 | PPBV | # | 79 |
| 13) N-BUTANE | 1.849 | 43 | 2166 | 0.09 | PPBV | # | 55 |
| 14) BROMOMETHANE | 1.907 | 94 | 1159 | 0.10 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 645 | 0.08 | PPBV | # | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 2615 | 0.09 | PPBV | | 90 |
| 17) ACETONITRILE | 2.055 | 41 | 1535 | 0.10 | PPBV | # | 70 |
| 18) ACROLEIN | 2.097 | 56 | 855 | 0.11 | PPBV | | 79 |
| 19) FREON 123 | 2.106 | 83 | 2595 | 0.08 | PPBV | | 91 |
| 20) FREON 123A | 2.122 | 117 | 1623 | 0.09 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 3104 | 0.09 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.232 | 45 | 3464 | 0.09 | PPBV | # | 96 |
| 23) ACETONE | 2.142 | 58 | 1367 | 0.13 | PPBV | | 81 |
| 24) PENTANE | 2.299 | 42 | 1690 | 0.09 | PPBV | | 94 |
| 25) IODOMETHANE | 2.367 | 142 | 2692 | 0.09 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 1212 | 0.09 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 3323 | 0.09 | PPBV | # | 2 |
| 28) ETHANOL | 1.997 | 45 | 1564 | 0.18 | PPBV | # | 91 |
| 29) BROMOETHENE | 2.061 | 106 | 1012 | 0.08 | PPBV | # | 91 |
| 30) ACRYLONITRILE | 2.277 | 52 | 1142 | 0.09 | PPBV | | 88 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 1614 | 0.13 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.467 | 76 | 615 | 0.09 | PPBV | # | 34 |
| 33) FREON 113 | 2.524 | 151 | 1786 | 0.09 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 1124 | 0.09 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.454 | 59 | 2814 | 0.09 | PPBV | # | 1 |
| 36) METHYL TERTIARY BUTYL ... | 2.875 | 73 | 2894 | 0.10 | PPBV | # | 83 |
| 37) TETRAHYDROFURAN | 3.589 | 72 | 550 | 0.11 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 2328 | 0.10 | PPBV | | 95 |
| 39) VINYL ACETATE | 2.897 | 86 | 238 | 0.10 | PPBV | # | 28 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 2094 | 0.10 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 631 | 0.12 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 1257 | 0.11 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 665 | 0.11 | PPBV | | 91 |
| 44) ETHYL ACETATE | 3.348 | 61 | 500 | 0.11 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 2546 | 0.09 | PPBV | | 96 |
| 46) CHLOROFORM | 3.338 | 83 | 2546 | 0.11 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.830 | 57 | 2770 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 2268 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 2109 | 0.10 | PPBV | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.746 | 62 | 1979 | 0.11 | PPBV | | 94 |
| 51) BENZENE | 4.225 | 78 | 4011 | 0.12 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.434 | 84 | 1594 | 0.11 | PPBV | | 93 |
| 54) 2,3-DIMETHYLPENTANE | 4.675 | 71 | 764 | 0.10 | PPBV | | 78 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 1772 | 0.11 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 1565 | 0.11 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 4.849 | 174 | 1541 | 0.11 | PPBV | | 98 |
| 58) ETHYL ACRYLATE | 5.029 | 55 | 3169 | 0.10 | PPBV | | 98 |
| 59) BROMODICHLOROMETHANE | 5.068 | 83 | 2410 | 0.10 | PPBV | | 89 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.212 | 57 | 7392 | 0.10 | PPBV | | 96 |
| 61) 1,4-DIOXANE | 5.245 | 88 | 791 | 0.10 | PPBV | # | 31 |
| 62) HEPTANE | 5.534 | 43 | 2624 | 0.10 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 5.441 | 69 | 1358 | 0.10 | PPBV | | 99 |
| 64) METHYL ISOBUTYL KETONE | 6.209 | 58 | 1670 | 0.11 | PPBV | | 85 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 1749 | 0.09 | PPBV | | 95 |
| 66) TOLUENE | 7.257 | 91 | 4699 | 0.11 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.322 | 76 | 2200 | 0.10 | PPBV | | 94 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 1161 | 0.07 | PPBV | | 92 |
| 69) 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 1330 | 0.11 | PPBV | | 97 |
| 70) 2-HEXANONE | 7.891 | 58 | 2802 | 0.12 | PPBV | | 98 |
| 71) ETHYL METHACRYLATE | 7.990 | 69 | 2017 | 0.09 | PPBV | # | 29 |
| 72) TETRACHLOROETHENE | 8.987 | 164 | 1787 | 0.11 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.791 | 129 | 2184 | 0.11 | PPBV | | 96 |
| 74) 1,2-DIBROMOETHANE | 8.148 | 107 | 2144 | 0.10 | PPBV | # | 93 |
| 75) OCTANE | 9.145 | 43 | 4023 | 0.11 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 1614 | 0.10 | PPBV | | 98 |
| 78) CHLOROBENZENE | 10.196 | 112 | 3946 | 0.12 | PPBV | | 98 |
| 79) ETHYLBENZENE | 11.077 | 91 | 6395 | 0.11 | PPBV | | 98 |
| 80) M,P-XYLENE | 11.502 | 91 | 9776m | 0.24 | PPBV | | |
| 81) O-XYLENE | 12.444 | 91 | 5001 | 0.12 | PPBV | | 96 |
| 82) STYRENE | 12.231 | 104 | 3528 | 0.11 | PPBV | | 97 |
| 83) NONANE | 13.569 | 43 | 4019 | 0.11 | PPBV | | 98 |
| 84) BROMOFORM | 11.309 | 173 | 1656 | 0.09 | PPBV | # | 94 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 3311 | 0.11 | PPBV | # | 27 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.730 | 75 | 2751 | 0.12 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.964 | 120 | 1945 | 0.12 | PPBV | | 89 |
| 89) BROMOBENZENE | 13.813 | 77 | 3458 | 0.11 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.948 | 126 | 1559 | 0.11 | PPBV | | 93 |
| 91) N-PROPYLBENZENE | 15.292 | 120 | 1817 | 0.11 | PPBV | # | 78 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 6120 | 0.10 | PPBV | # | 75 |
| 93) 1,3,5-TRIMETHYLBENZENE | 16.000 | 105 | 5446 | 0.10 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.267 | 118 | 2523 | 0.09 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 1313 | 0.10 | PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 5507 | 0.09 | PPBV | | 97 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 1270 | 0.05 | PPBV | | 98 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 3586 | 0.10 | PPBV | | 93 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 3820 | 0.10 | PPBV | | 100 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 3498 | 0.10 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.878 | 134 | 1720 | 0.10 | PPBV | | 90 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 5572 | 0.10 | PPBV | | 97 |
| 103) P-ISOPROPYLTOLUENE | 17.061 | 134 | 1842 | 0.10 | PPBV | | 91 |
| 104) N-BUTYLBENZENE | 17.427 | 134 | 1626 | 0.09 | PPBV | | 90 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 1235 | 0.07 | PPBV | | 96 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 2528 | 0.10 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 3381 | 0.14 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 9159 | 0.16 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 8184 | 0.10 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
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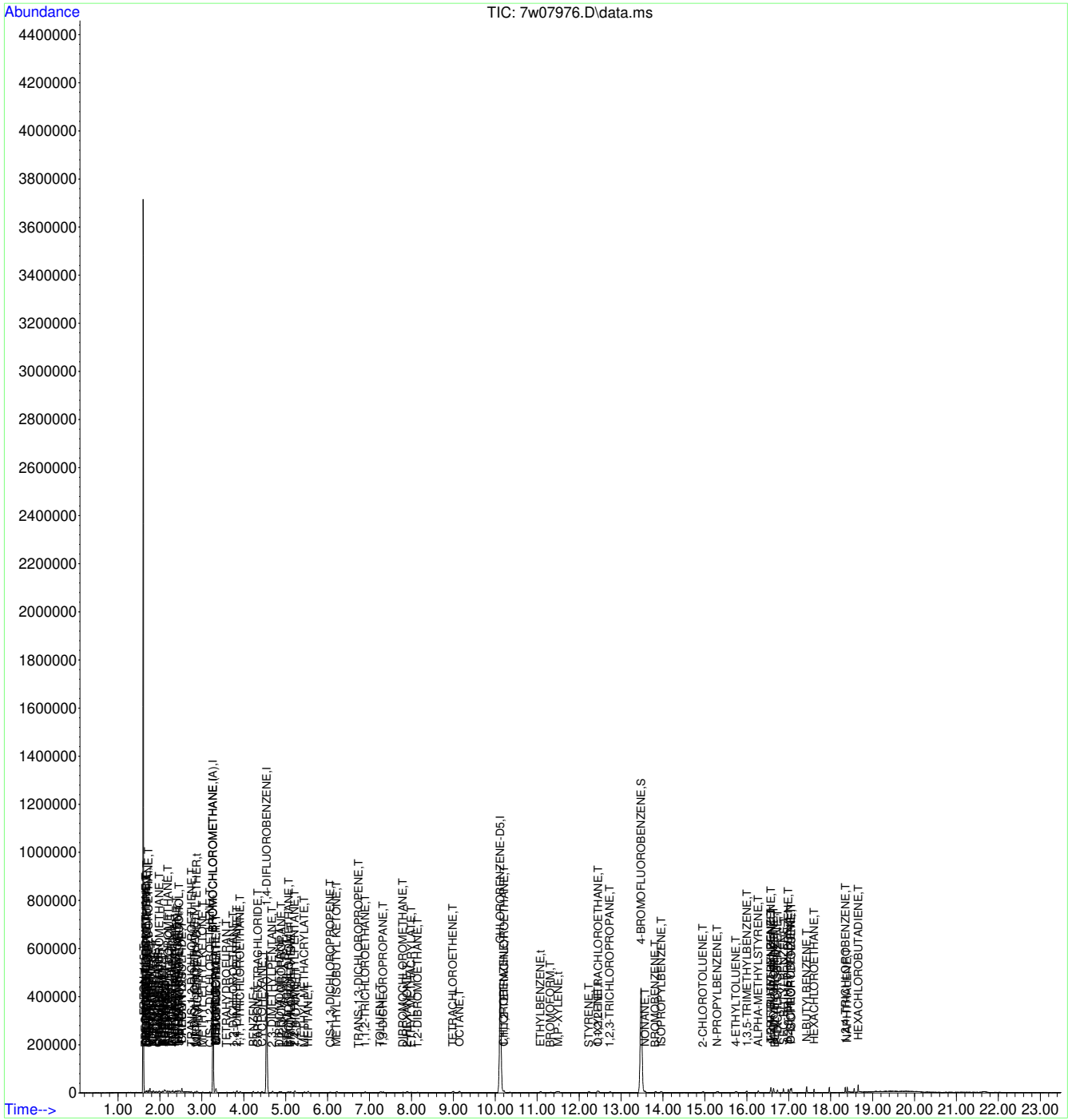
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



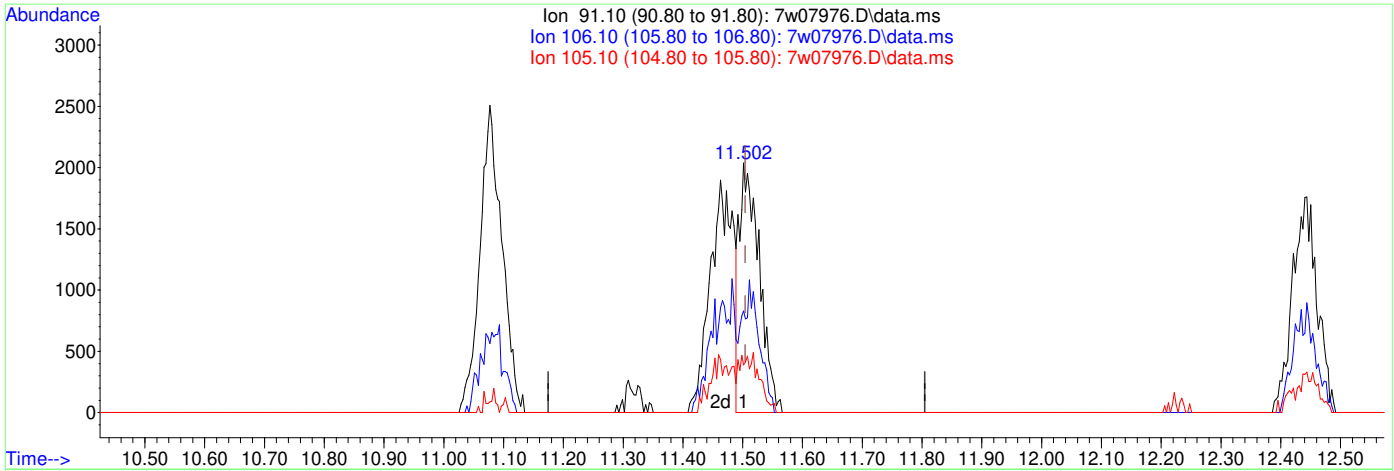
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07976.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:13 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

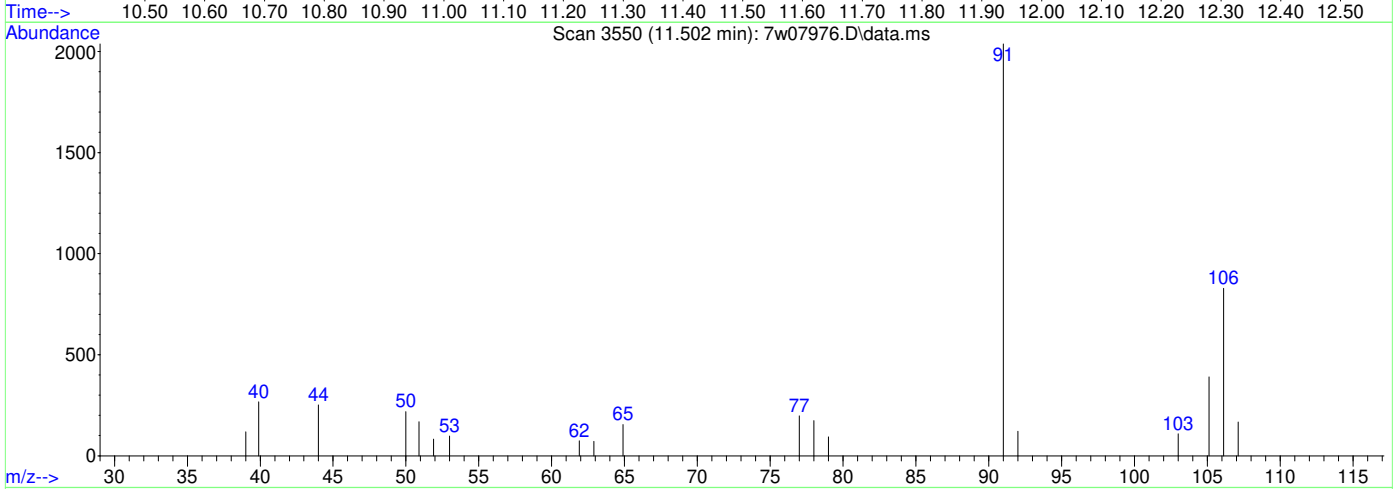
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.55 |
| 105.10 | 11.30 | 23.24 |
| 0.00 | 0.00 | 0.00 |

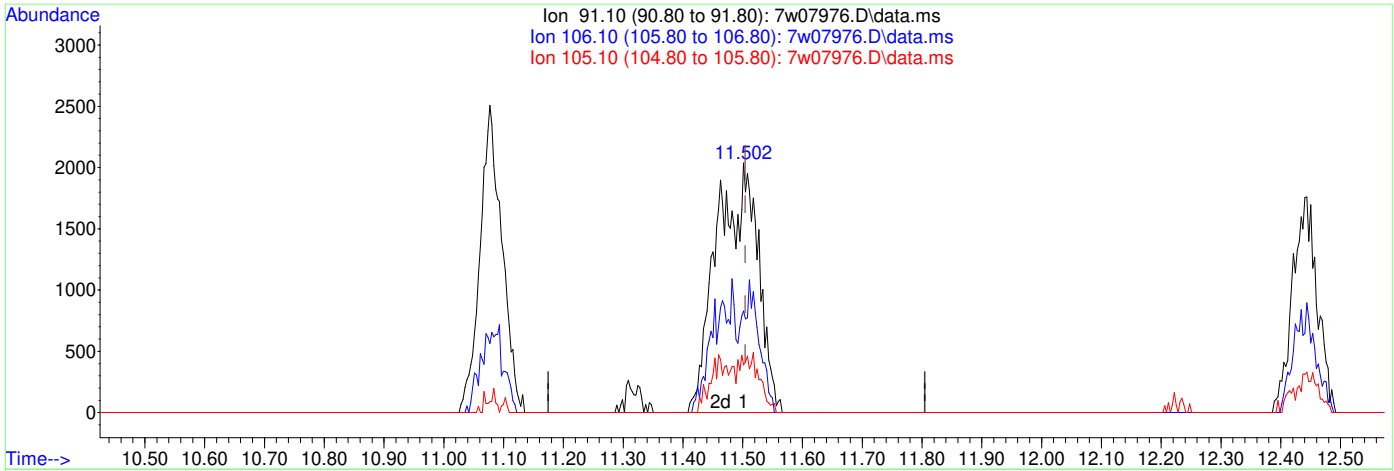


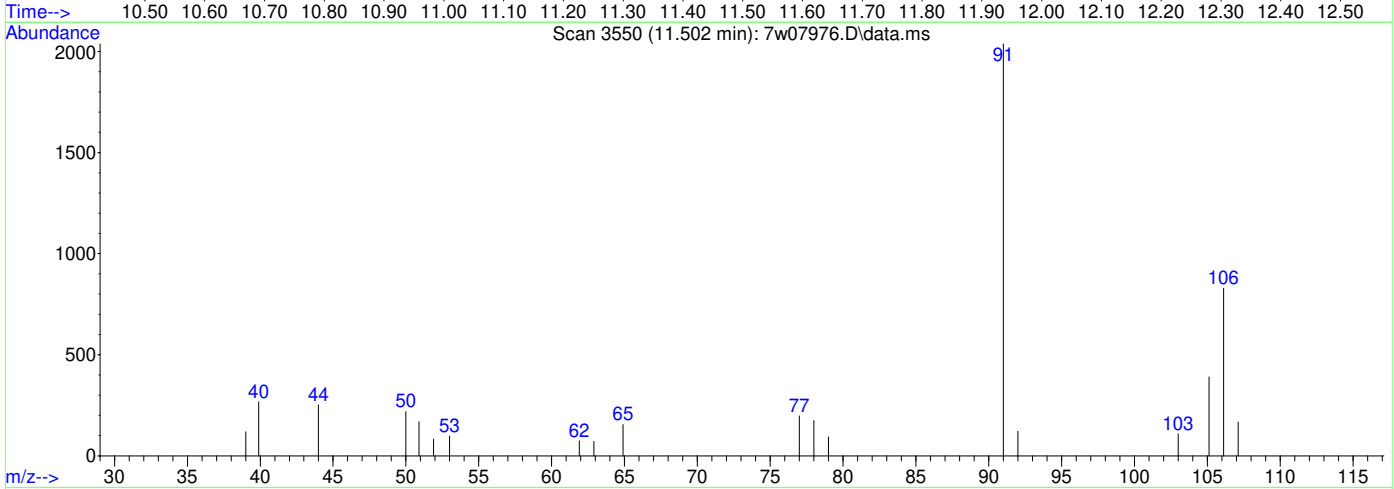
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.15 |
| 105.10 | 11.30 | 11.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 417480 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 367012 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 264802 | 9.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 2326 | 0.21 | PPBV | | 94 |
| 3) FREON 152A | 1.647 | 65 | 1163 | 0.19 | PPBV | | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 602 | 0.23 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 2630 | 0.21 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 6840 | 0.19 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 1717 | 0.21 | PPBV | | 94 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 5757 | 0.18 | PPBV | | 91 |
| 9) FREON 114 | 1.759 | 85 | 5769 | 0.18 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.727 | 52 | 850 | 0.17 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 2663 | 0.18 | PPBV | | 96 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 2375 | 0.19 | PPBV | | 94 |
| 13) N-BUTANE | 1.846 | 43 | 4070 | 0.17 | PPBV | # | 79 |
| 14) BROMOMETHANE | 1.907 | 94 | 2219 | 0.19 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 1401 | 0.17 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 5439 | 0.19 | PPBV | | 99 |
| 17) ACETONITRILE | 2.055 | 41 | 3149 | 0.21 | PPBV | | 93 |
| 18) ACROLEIN | 2.094 | 56 | 1372 | 0.19 | PPBV | | 89 |
| 19) FREON 123 | 2.103 | 83 | 5470 | 0.17 | PPBV | | 98 |
| 20) FREON 123A | 2.123 | 117 | 3145 | 0.18 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 5923 | 0.18 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 6150 | 0.16 | PPBV | | 100 |
| 23) ACETONE | 2.139 | 58 | 2159 | 0.22 | PPBV | | 100 |
| 24) PENTANE | 2.299 | 42 | 3022 | 0.16 | PPBV | | 96 |
| 25) IODOMETHANE | 2.361 | 142 | 5432 | 0.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 2330 | 0.18 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 6551 | 0.18 | PPBV | # | 31 |
| 28) ETHANOL | 2.000 | 45 | 2022 | 0.24 | PPBV | | 87 |
| 29) BROMOETHENE | 2.058 | 106 | 2034 | 0.17 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.277 | 52 | 2439 | 0.18 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 2696 | 0.22 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 1256 | 0.18 | PPBV | # | 56 |
| 33) FREON 113 | 2.521 | 151 | 3632 | 0.19 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.750 | 96 | 2164 | 0.18 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.451 | 59 | 5152 | 0.16 | PPBV | # | 60 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 5623 | 0.21 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.582 | 72 | 1097 | 0.23 | PPBV | | 95 |
| 38) HEXANE | 3.322 | 57 | 4465 | 0.20 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.907 | 86 | 442 | 0.19 | PPBV | # | 41 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 4233 | 0.21 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 1161 | 0.22 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 2366 | 0.22 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 1113 | 0.18 | PPBV | | 76 |
| 44) ETHYL ACETATE | 3.344 | 61 | 910 | 0.22 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 4855 | 0.19 | PPBV | # | 25 |
| 46) CHLOROFORM | 3.338 | 83 | 4898 | 0.22 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 4922 | 0.20 | PPBV | | 96 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 4147 | 0.20 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 4013 | 0.20 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 3831 | 0.22 | PPBV | | 98 |
| 51) | BENZENE | 4.222 | 78 | 7289 | 0.22 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 3089 | 0.22 | PPBV | | 95 |
| 54) | 2,3-DIMETHYLPENTANE | 4.682 | 71 | 1631 | 0.22 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 3128 | 0.21 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 2838 | 0.20 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 2782 | 0.20 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.020 | 55 | 6089 | 0.20 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.065 | 83 | 4748 | 0.20 | PPBV | | 95 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 14752 | 0.21 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.222 | 88 | 2233 | 0.23 | PPBV | # | 1 |
| 62) | HEPTANE | 5.534 | 43 | 5290 | 0.21 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 2733 | 0.22 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.216 | 58 | 3415 | 0.22 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 3343 | 0.18 | PPBV | | 95 |
| 66) | TOLUENE | 7.264 | 91 | 9195 | 0.22 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.319 | 76 | 4502 | 0.22 | PPBV | | 98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 2208 | 0.14 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.891 | 83 | 2480 | 0.21 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.888 | 58 | 5066 | 0.18 | PPBV | | 93 |
| 71) | ETHYL METHACRYLATE | 7.984 | 69 | 4055 | 0.20 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 3549 | 0.22 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 4142 | 0.21 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.135 | 107 | 4391 | 0.22 | PPBV | # | 98 |
| 75) | OCTANE | 9.135 | 43 | 7595 | 0.22 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 2986 | 0.19 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 7462 | 0.23 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 12480 | 0.20 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.498 | 91 | 18766m | 0.43 | PPBV | | |
| 81) | O-XYLENE | 12.447 | 91 | 9653 | 0.23 | PPBV | | 87 |
| 82) | STYRENE | 12.235 | 104 | 6881 | 0.23 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 7639 | 0.22 | PPBV | | 96 |
| 84) | BROMOFORM | 11.322 | 173 | 3470 | 0.19 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 6952 | 0.23 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 5179 | 0.22 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 3629 | 0.22 | PPBV | | 97 |
| 89) | BROMOBENZENE | 13.820 | 77 | 6828 | 0.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 3019 | 0.20 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 3589 | 0.22 | PPBV | | 95 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 13103 | 0.20 | PPBV | # | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 10844 | 0.20 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 5388 | 0.20 | PPBV | | 97 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 2559 | 0.18 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.575 | 105 | 11120 | 0.19 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.665 | 91 | 2497 | 0.10 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 7185 | 0.20 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 7542 | 0.20 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 7199 | 0.20 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 3121 | 0.19 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 11396 | 0.20 | PPBV | # | 96 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 3732 | 0.21 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 3509 | 0.21 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 2451 | 0.14 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 4955 | 0.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 6745 | 0.33 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 18097 | 0.38 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 17481 | 0.21 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

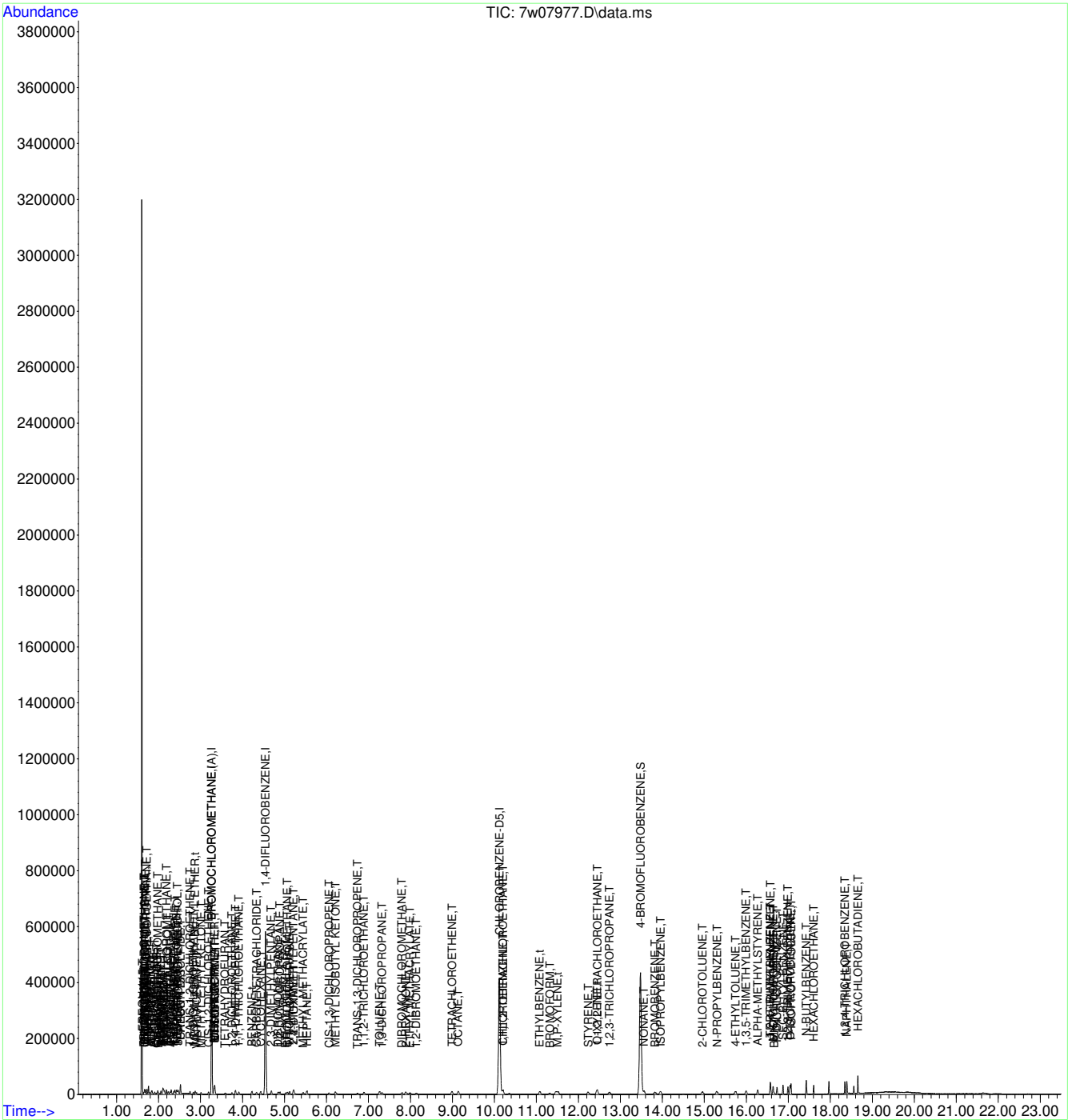
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



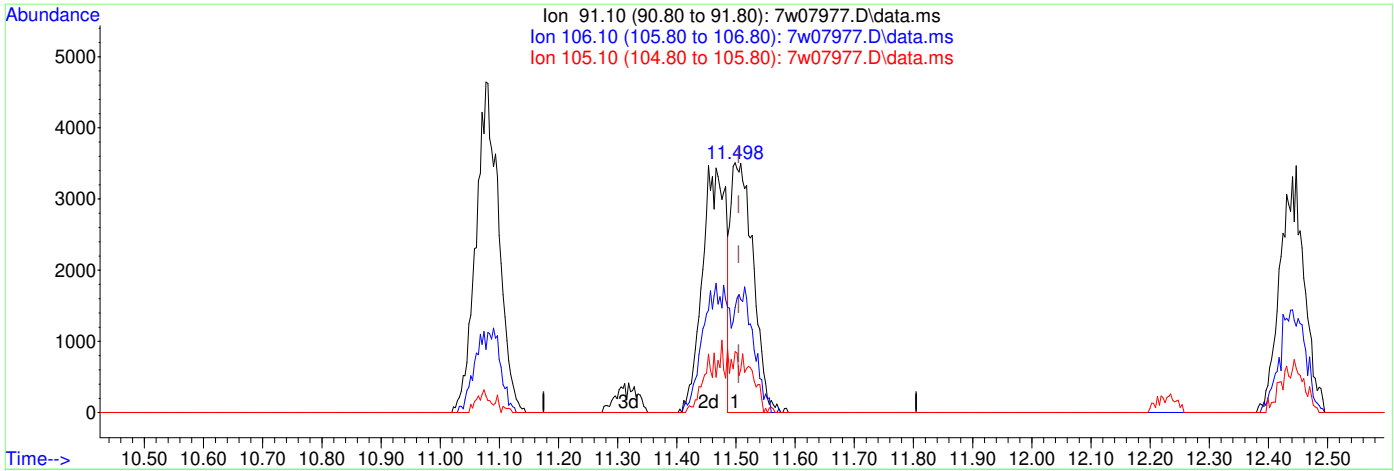
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07977.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:49 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

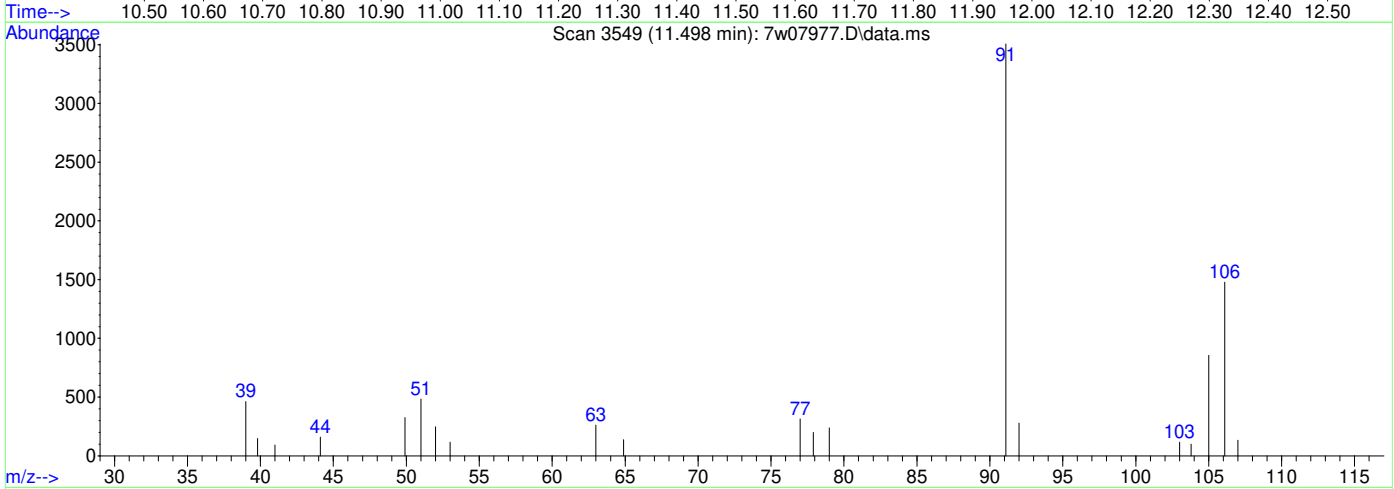
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

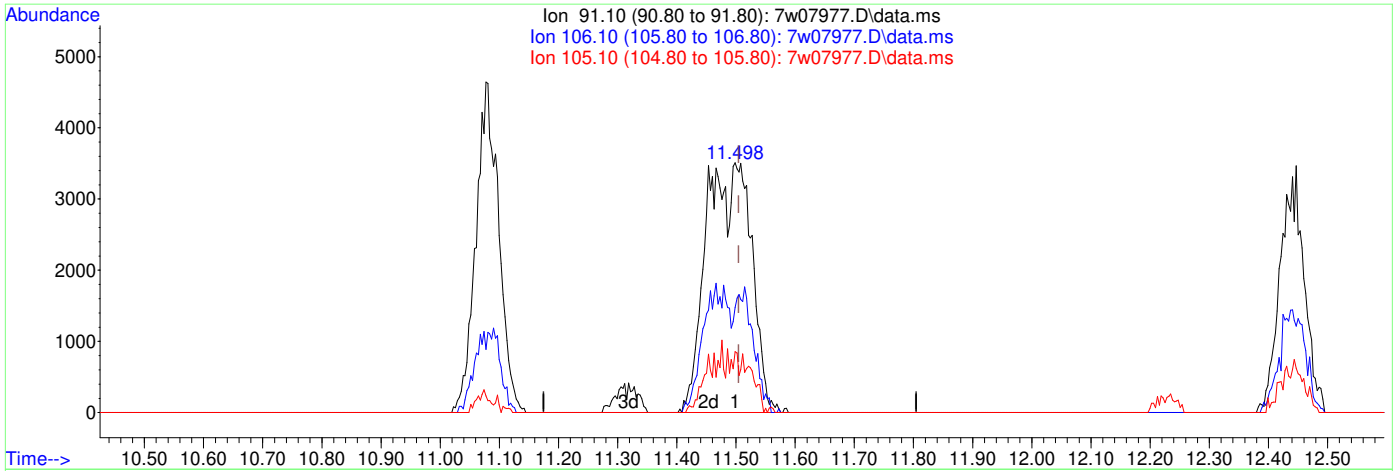
response 9375

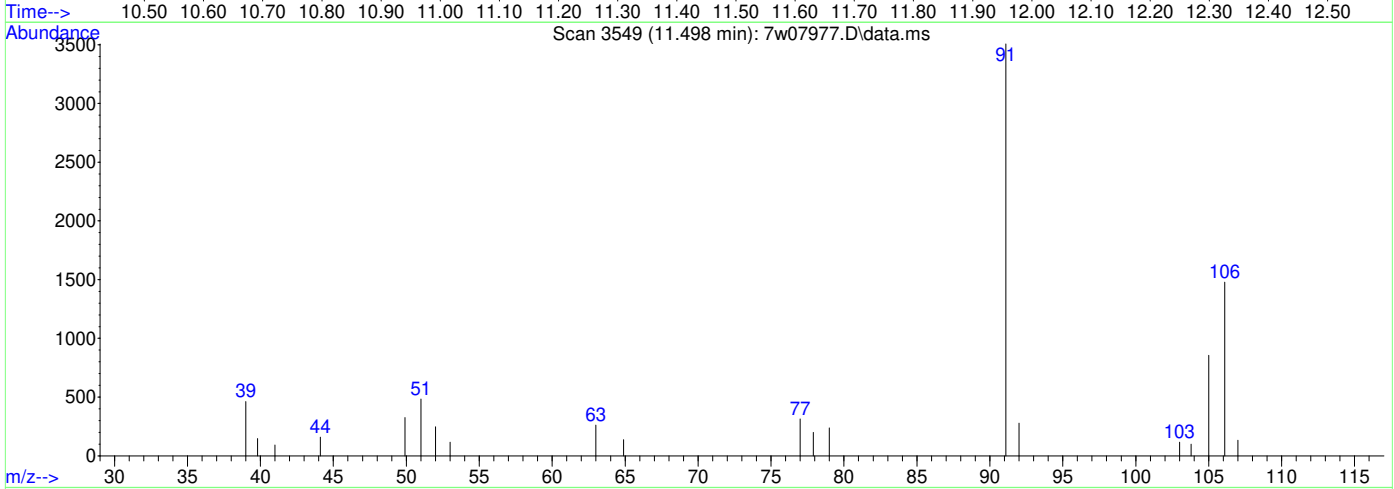
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.98 |
| 105.10 | 11.30 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.97 |
| 105.10 | 11.30 | 6.70 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410941 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 362110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262037 | 9.71 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 5861 | 0.54 | PPBV | | 96 |
| 3) FREON 152A | 1.644 | 65 | 3003 | 0.50 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 1485 | 0.58 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 6805 | 0.55 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 16795 | 0.46 | PPBV | | 99 |
| 7) PROPYLENE | 1.666 | 41 | 3977 | 0.50 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 14549 | 0.46 | PPBV | | 96 |
| 9) FREON 114 | 1.759 | 85 | 15134 | 0.48 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 2035 | 0.41 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 6673 | 0.44 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 5500 | 0.43 | PPBV | | 95 |
| 13) N-BUTANE | 1.846 | 43 | 10568 | 0.42 | PPBV | # | 90 |
| 14) BROMOMETHANE | 1.907 | 94 | 5484 | 0.48 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 3547 | 0.44 | PPBV | | 94 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 13608 | 0.47 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 6551 | 0.44 | PPBV | | 92 |
| 18) ACROLEIN | 2.094 | 56 | 3046 | 0.40 | PPBV | | 95 |
| 19) FREON 123 | 2.103 | 83 | 13299 | 0.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 8058 | 0.46 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.184 | 101 | 15424 | 0.46 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 14044 | 0.37 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 4080 | 0.40 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 7472 | 0.39 | PPBV | | 98 |
| 25) IODOMETHANE | 2.361 | 142 | 13827 | 0.46 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 5730 | 0.43 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 16067 | 0.43 | PPBV | # | 66 |
| 28) ETHANOL | 1.994 | 45 | 4627 | 0.45 | PPBV | # | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 5247 | 0.44 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.274 | 52 | 5669 | 0.41 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 5894 | 0.48 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 2755 | 0.38 | PPBV | # | 37 |
| 33) FREON 113 | 2.521 | 151 | 8992 | 0.46 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 5687 | 0.48 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.444 | 59 | 13081 | 0.39 | PPBV | # | 64 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 13772 | 0.51 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 3.576 | 72 | 2595 | 0.57 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 10976 | 0.50 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.898 | 86 | 1009 | 0.43 | PPBV | # | 29 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 10432 | 0.51 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 2909 | 0.56 | PPBV | | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 6101 | 0.59 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 3049 | 0.51 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.341 | 61 | 2059 | 0.51 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 12344 | 0.48 | PPBV | | 97 |
| 46) CHLOROFORM | 3.341 | 83 | 12161 | 0.57 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 12901 | 0.55 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 10591 | 0.52 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 10121 | 0.53 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 9567 | 0.57 | PPBV | | 98 |
| 51) | BENZENE | 4.219 | 78 | 17995 | 0.55 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 7811 | 0.56 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.685 | 71 | 4068 | 0.57 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 8046 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 7243 | 0.52 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 6875 | 0.51 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.023 | 55 | 14562 | 0.49 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 11794 | 0.51 | PPBV | | 91 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.213 | 57 | 35817 | 0.52 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.209 | 88 | 5137 | 0.55 | PPBV | # | 6 |
| 62) | HEPTANE | 5.534 | 43 | 12581 | 0.52 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 6275 | 0.51 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.196 | 58 | 7744 | 0.52 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 8234 | 0.44 | PPBV | | 96 |
| 66) | TOLUENE | 7.261 | 91 | 22485 | 0.55 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 11161 | 0.55 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 5585 | 0.36 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 6324 | 0.55 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.878 | 58 | 12049 | 0.43 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.981 | 69 | 9663 | 0.47 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 7989 | 0.51 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.795 | 129 | 10588 | 0.54 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.132 | 107 | 10784 | 0.55 | PPBV | # | 100 |
| 75) | OCTANE | 9.139 | 43 | 17732 | 0.53 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.203 | 131 | 7115 | 0.46 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 18568 | 0.58 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 30468 | 0.51 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.508 | 91 | 46842m | 1.05 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 23828 | 0.59 | PPBV | | 94 |
| 82) | STYRENE | 12.225 | 104 | 17160 | 0.60 | PPBV | | 99 |
| 83) | NONANE | 13.560 | 43 | 19013 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 9340 | 0.52 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.450 | 83 | 16754 | 0.57 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 13531 | 0.60 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.945 | 120 | 8698 | 0.54 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 17048 | 0.58 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 8051 | 0.55 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.302 | 120 | 9156 | 0.58 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 32633 | 0.53 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 27233 | 0.51 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 13680 | 0.52 | PPBV | | 96 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 6648 | 0.48 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 28271 | 0.50 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.666 | 91 | 6446 | 0.26 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 18160 | 0.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 18687 | 0.53 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 17767 | 0.53 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 8265 | 0.51 | PPBV | | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 27828 | 0.52 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 8738 | 0.50 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 8723 | 0.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 6412 | 0.37 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 12496 | 0.54 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 16068 | 0.91 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 47796 | 1.26 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 40854 | 0.48 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

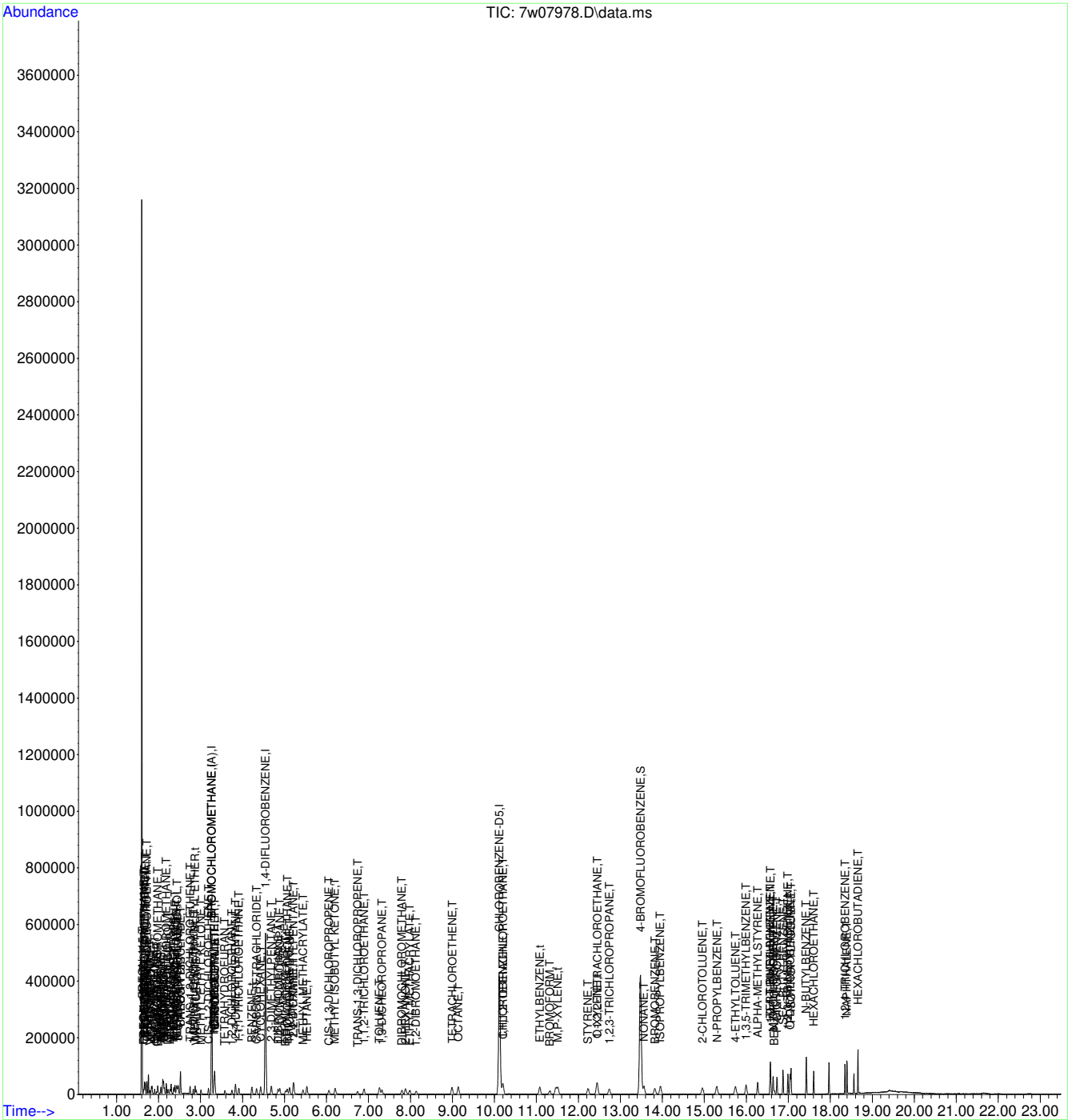
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



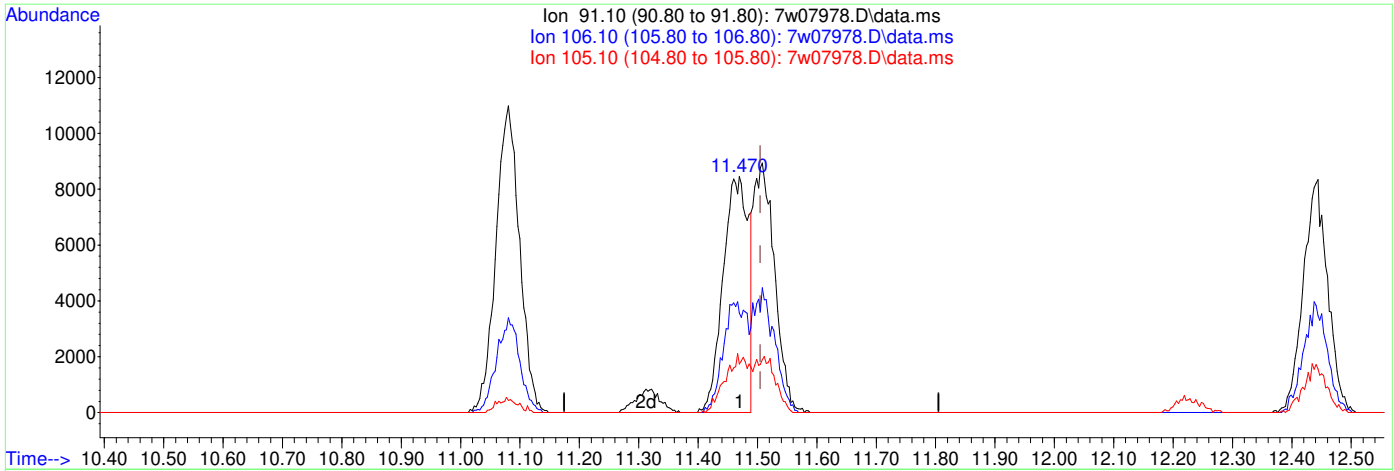
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07978.D | **Analyst approved:** | 08/19/24 10:01 Benjamin Kim |
| **Injection Time:** | 08/18/24 23:22 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

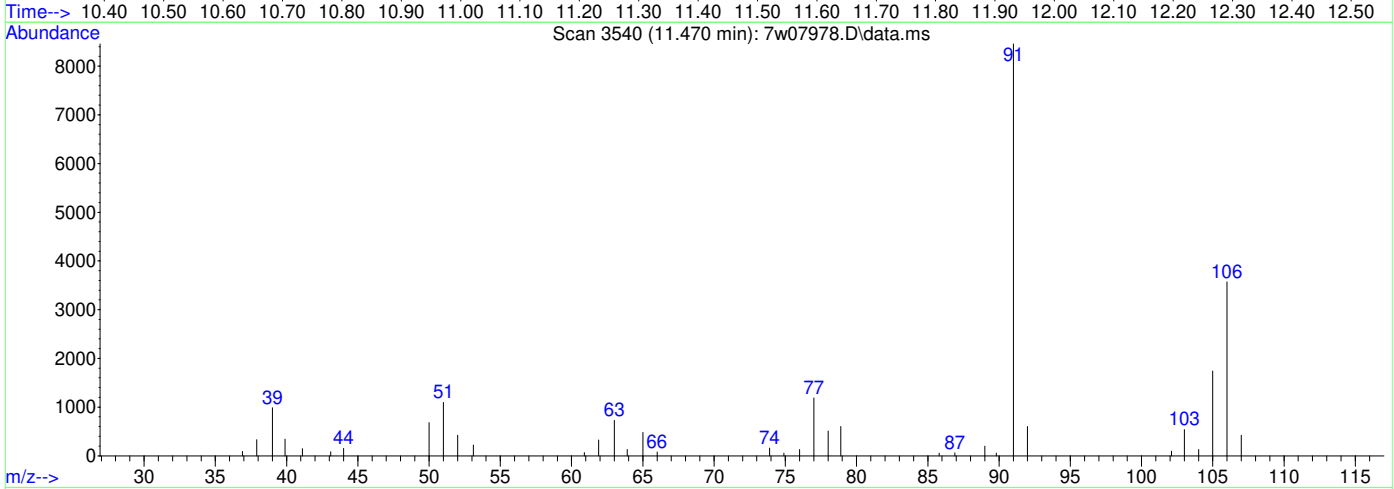
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.51 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

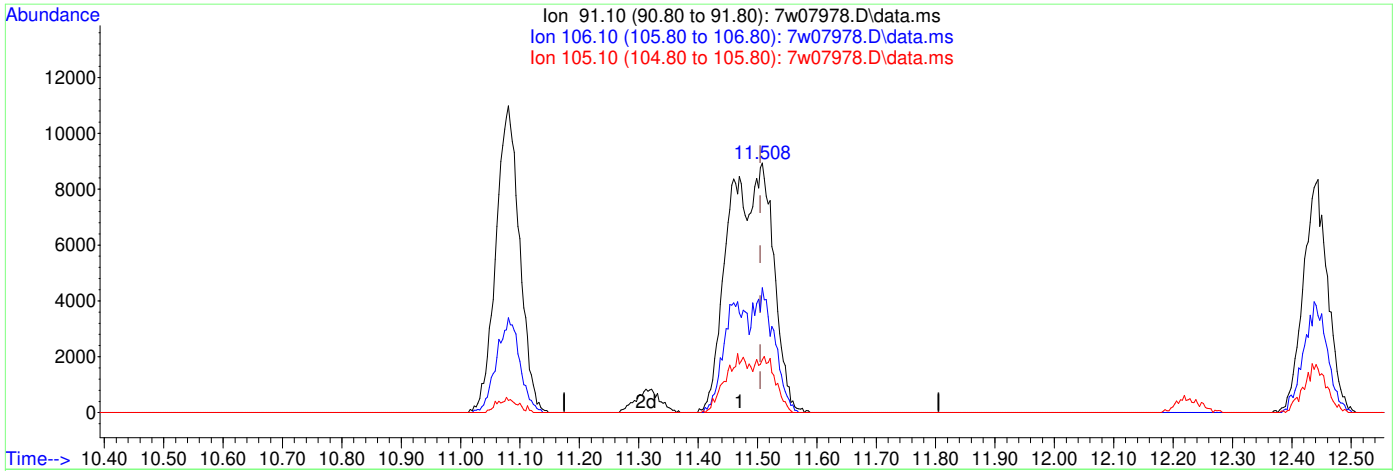
response 25047

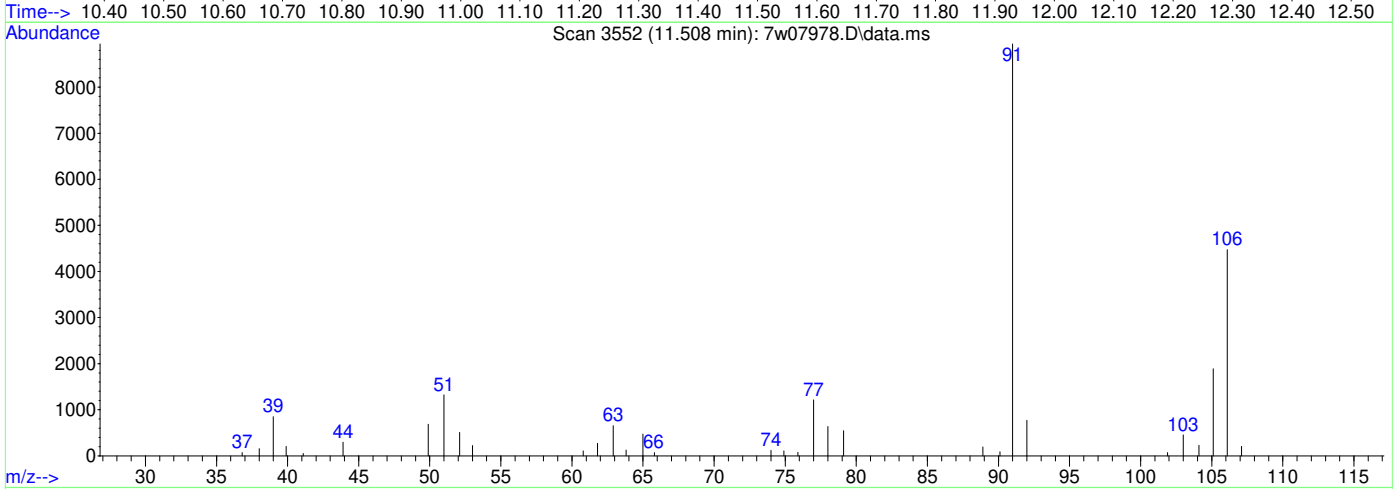
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 46.05 |
| 105.10 | 11.30 | 22.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 24.63 |
| 105.10 | 11.30 | 12.07 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81466 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410025 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 361102 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81464 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 265954 | 9.38 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 27379 | 2.27 | PPBV | 97 |
| 3) FREON 152A | 1.647 | 65 | 29000 | 4.67 | PPBV | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 13506 | 5.10 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 64600 | 5.12 | PPBV | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 169247 | 4.50 | PPBV | 98 |
| 7) PROPYLENE | 1.669 | 41 | 38377 | 4.63 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 140419 | 4.23 | PPBV | 96 |
| 9) FREON 114 | 1.762 | 85 | 149365 | 4.52 | PPBV | 98 |
| 10) CHLOROMETHANE | 1.733 | 52 | 19771 | 3.76 | PPBV | 100 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 65999 | 4.14 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 54080 | 3.99 | PPBV | 98 |
| 13) N-BUTANE | 1.849 | 43 | 100820 | 3.83 | PPBV | 98 |
| 14) BROMOMETHANE | 1.910 | 94 | 51811 | 4.31 | PPBV | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 34723 | 4.05 | PPBV | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 132874 | 4.38 | PPBV | 98 |
| 17) ACETONITRILE | 2.055 | 41 | 57811 | 3.60 | PPBV | 100 |
| 18) ACROLEIN | 2.094 | 56 | 31088 | 3.87 | PPBV | 99 |
| 19) FREON 123 | 2.106 | 83 | 133098 | 3.98 | PPBV | 99 |
| 20) FREON 123A | 2.122 | 117 | 80453 | 4.36 | PPBV | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 152287 | 4.27 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 129156 | 3.14 | PPBV | 99 |
| 23) ACETONE | 2.135 | 58 | 35696 | 3.28 | PPBV | 100 |
| 24) PENTANE | 2.303 | 42 | 71675 | 3.46 | PPBV | 97 |
| 25) IODOMETHANE | 2.364 | 142 | 138967 | 4.41 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 56736 | 4.02 | PPBV | 90 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 164494 | 4.33 | PPBV | 99 |
| 28) ETHANOL | 1.994 | 45 | 36651 | 3.31 | PPBV | 97 |
| 29) BROMOETHENE | 2.061 | 106 | 51262 | 4.10 | PPBV | 99 |
| 30) ACRYLONITRILE | 2.277 | 52 | 52972 | 3.56 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 51833 | 3.97 | PPBV | 86 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 28290 | 3.74 | PPBV | 84 |
| 33) FREON 113 | 2.524 | 151 | 89281 | 4.48 | PPBV | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 52868 | 4.38 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.431 | 59 | 116326 | 3.23 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.868 | 73 | 136515 | 4.93 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 27131 | 5.79 | PPBV | 90 |
| 38) HEXANE | 3.319 | 57 | 108490 | 4.76 | PPBV | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 11696 | 4.81 | PPBV | 88 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 102265 | 4.89 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.000 | 72 | 28364 | 5.37 | PPBV | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 57628 | 5.43 | PPBV | 95 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 30846 | 4.96 | PPBV | 96 |
| 44) ETHYL ACETATE | 3.331 | 61 | 21833 | 5.20 | PPBV | 90 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 128213 | 4.81 | PPBV # | 100 |
| 46) CHLOROFORM | 3.341 | 83 | 118312 | 5.38 | PPBV | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 123753 | 5.06 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 103061 | 4.93 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 104096 | 5.26 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 90936 | 5.26 | PPBV | | 99 |
| 51) | BENZENE | 4.225 | 78 | 171826 | 5.13 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 75178 | 5.37 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 39970 | 5.61 | PPBV | | 86 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 78664 | 5.28 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 70308 | 4.98 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 65118 | 4.79 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 152697 | 5.12 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 124366 | 5.39 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 349151 | 5.05 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.164 | 88 | 45840 | 4.97 | PPBV | # | 83 |
| 62) | HEPTANE | 5.534 | 43 | 121341 | 4.96 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 65132 | 5.30 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.183 | 58 | 74156 | 4.92 | PPBV | | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 91819 | 4.90 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 218857 | 5.36 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 110082 | 5.46 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 66745 | 4.27 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 62252 | 5.39 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.855 | 58 | 112276 | 4.02 | PPBV | | 97 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 105592 | 5.14 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 77784 | 4.95 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 118229 | 5.98 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 111886 | 5.67 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 173169 | 5.12 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 78566 | 5.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 183185 | 5.81 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 299317 | 4.99 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.505 | 91 | 464302 | 10.48 | PPBV | | 99 |
| 81) | O-XYLENE | 12.437 | 91 | 236267 | 5.90 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 177117 | 6.24 | PPBV | | 99 |
| 83) | NONANE | 13.563 | 43 | 187166 | 5.08 | PPBV | | 97 |
| 84) | BROMOFORM | 11.315 | 173 | 101100 | 5.63 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 172204 | 5.90 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 133990 | 6.07 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 89542 | 5.64 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.823 | 77 | 164898 | 5.71 | PPBV | | 96 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 80136 | 5.58 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 93644 | 5.99 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 338018 | 5.58 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 282963 | 5.41 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 143668 | 5.58 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 67157 | 4.95 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 296095 | 5.30 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 79381m | 3.20 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 187655 | 5.45 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 191562 | 5.55 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 181198 | 5.52 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 84088 | 5.29 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 287527 | 5.46 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 92888 | 5.44 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 93747 | 5.91 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 82010 | 4.77 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 132649 | 5.96 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 178283 | 11.97 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 477399 | 16.43 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 356727 | 3.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

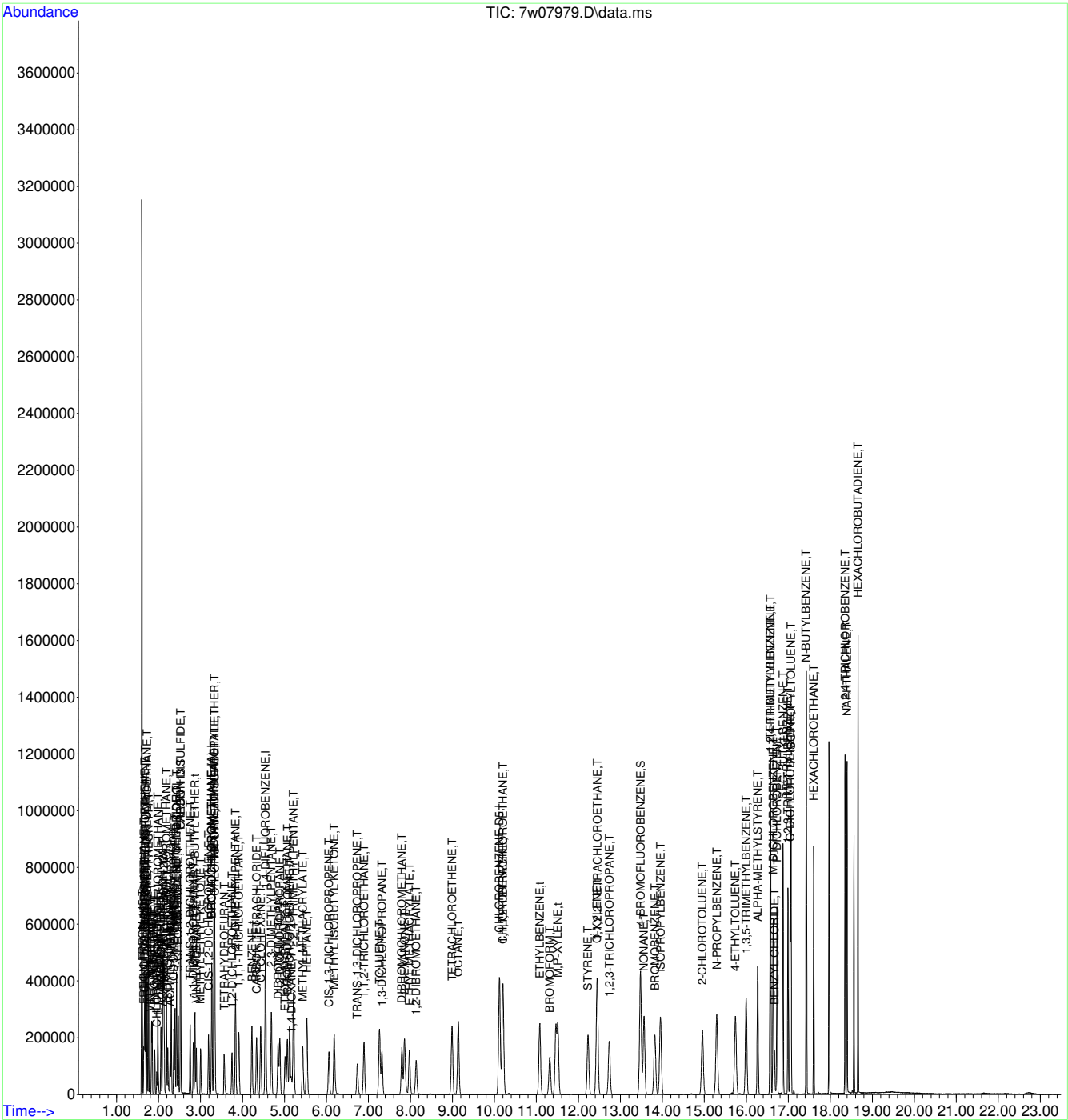
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



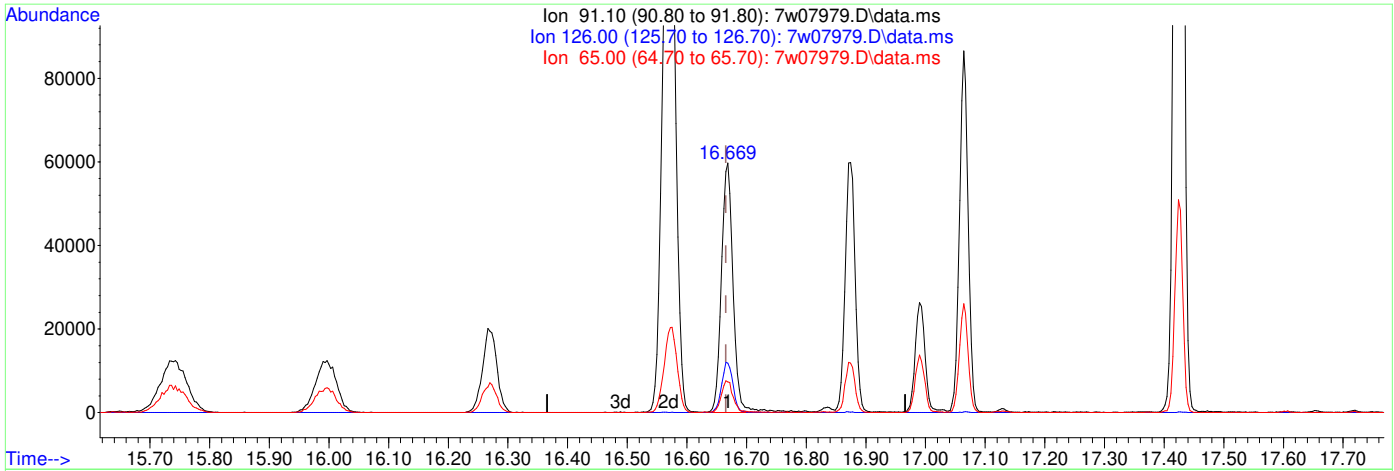
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07979.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 00:01 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

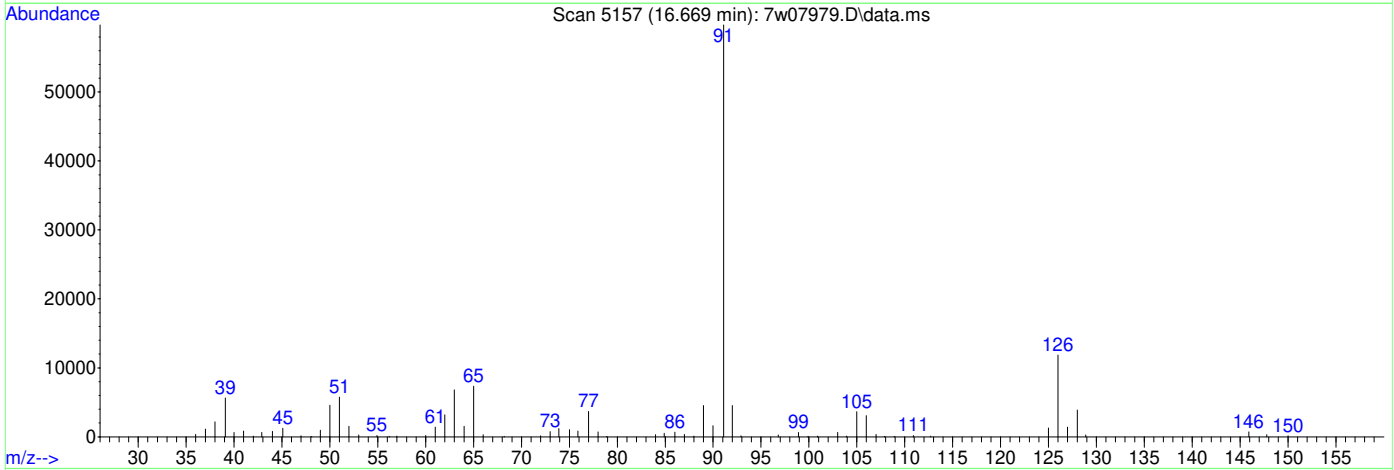
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

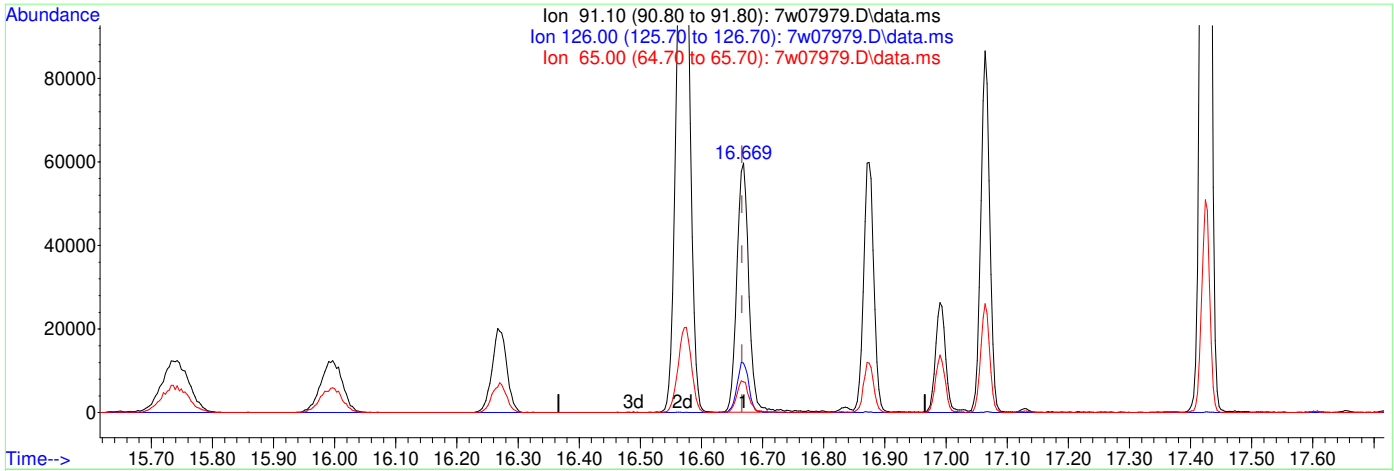
response 81628

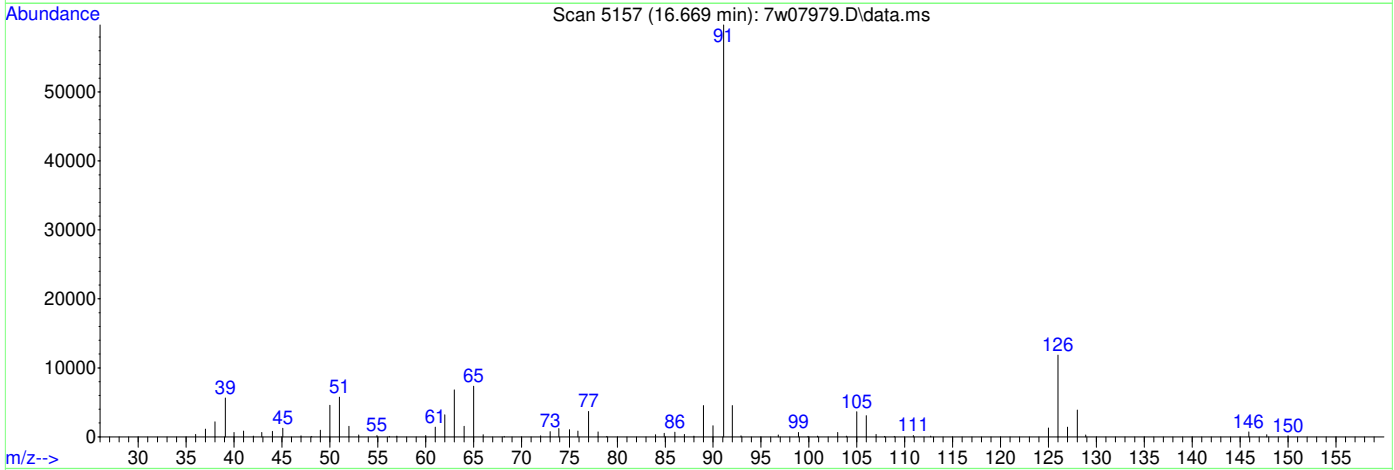
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 19.59 |
| 65.00 | 13.00 | 13.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 20.14 |
| 65.00 | 13.00 | 13.87 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 388370 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 349697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 254020 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 116757 | 11.94 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 56656 | 10.57 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 27361 | 10.93 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 128761 | 10.75 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 335263 | 10.56 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 75194 | 10.04 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 279768 | 10.38 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 296122 | 10.76 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38843 | 9.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 127043 | 9.96 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 107031 | 9.85 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 198675 | 10.27 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 101510 | 10.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 66775 | 10.09 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 261438 | 10.74 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 110740 | 8.07 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 61192 | 10.52 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 262246 | 9.89 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 158704 | 10.72 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 302114 | 10.62 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.213 | 45 | 263534 | 8.69 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 66233 | 6.38 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 137367 | 8.83 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 273231 | 10.68 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 111237 | 9.93 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 326093 | 10.12 | PPBV | | 99 |
| 28) ETHANOL | 1.991 | 45 | 67325 | 6.93 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 102347 | 10.02 | PPBV | | 100 |
| 30) ACRYLONITRILE | 2.274 | 52 | 98220 | 8.85 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 101961 | 8.72 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56199 | 10.18 | PPBV | | 97 |
| 33) FREON 113 | 2.525 | 151 | 175840 | 10.42 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 105154 | 9.70 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 256208 | 9.59 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273836 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.557 | 72 | 53518 | 11.75 | PPBV | | 98 |
| 38) HEXANE | 3.319 | 57 | 216582 | 10.11 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.898 | 86 | 24166 | 11.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 200586 | 10.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 55843 | 11.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 113715 | 11.11 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 61463 | 10.90 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.332 | 61 | 43829 | 10.65 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.316 | 55 | 258959 | 10.92 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 237561 | 11.15 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 244103 | 11.02 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.914 | 97 | 211578 | 10.86 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 214927 | 11.14 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.750 | 62 | 178327 | 11.01 PPBV | | 100 |
| 51) BENZENE | 4.225 | 78 | 336400 | 10.79 PPBV | | 100 |
| 53) CYCLOHEXANE | 4.431 | 84 | 147216 | 10.89 PPBV | | 98 |
| 54) 2,3-DIMETHYLPENTANE | 4.688 | 71 | 78137 | 11.46 PPBV | | 99 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 154777 | 10.77 PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 4.888 | 63 | 141313 | 10.87 PPBV | | 99 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 127868 | 10.56 PPBV | | 100 |
| 58) ETHYL ACRYLATE | 5.010 | 55 | 310645 | 10.93 PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 5.068 | 83 | 251956 | 11.60 PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 676160 | 10.55 PPBV | | 99 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 83819 | 11.15 PPBV | # | 96 |
| 62) HEPTANE | 5.534 | 43 | 238681 | 10.47 PPBV | | 100 |
| 63) METHYL METHACRYLATE | 5.431 | 69 | 129938 | 10.97 PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 138927 | 9.69 PPBV | | 99 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 192427 | 11.23 PPBV | | 99 |
| 66) TOLUENE | 7.264 | 91 | 436862 | 11.04 PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.322 | 76 | 219919 | 11.36 PPBV | | 99 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 146931 | 10.87 PPBV | | 99 |
| 69) 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 123244 | 11.28 PPBV | | 100 |
| 70) 2-HEXANONE | 7.852 | 58 | 202098 | 9.26 PPBV | | 100 |
| 71) ETHYL METHACRYLATE | 7.974 | 69 | 213857 | 11.04 PPBV | | 99 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 152491 | 10.19 PPBV | | 99 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 244347 | 12.50 PPBV | | 99 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 227562 | 11.69 PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 342794 | 10.17 PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 167229 | 11.49 PPBV | | 98 |
| 78) CHLOROBENZENE | 10.199 | 112 | 365525 | 11.34 PPBV | | 99 |
| 79) ETHYLBENZENE | 11.084 | 91 | 596122 | 10.36 PPBV | | 100 |
| 80) M,P-XYLENE | 11.511 | 91 | 932252 | 26.23 PPBV | | 98 |
| 81) O-XYLENE | 12.441 | 91 | 476187 | 11.13 PPBV | | 95 |
| 82) STYRENE | 12.228 | 104 | 355912 | 11.49 PPBV | | 99 |
| 83) NONANE | 13.566 | 43 | 372829 | 10.90 PPBV | | 100 |
| 84) BROMOFORM | 11.318 | 173 | 218043 | 12.08 PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 345869 | 11.55 PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 269044 | 11.72 PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 177926 | 10.94 PPBV | | 99 |
| 89) BROMOBENZENE | 13.823 | 77 | 331670 | 11.30 PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.955 | 126 | 160785 | 10.94 PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 187111 | 11.29 PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 683113 | 11.85 PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 568889 | 10.83 PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 16.273 | 118 | 292834 | 10.97 PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 135050 | 10.31 PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 603037 | 10.60 PPBV | | 100 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 206043m | 8.98 PPBV | | |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 381391 | 10.72 PPBV | | 100 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 385546 | 10.57 PPBV | | 100 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 365233 | 10.52 PPBV | | 100 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 172736 | 10.87 PPBV | | 98 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 581741 | 10.62 PPBV | | 100 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 190250 | 10.87 PPBV | | 100 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 192133 | 11.39 PPBV | | 99 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 188986 | 11.90 PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 270689 | 11.05 PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 362323 | 13.11 PPBV | | 100 |
| 108) NAPHTHALENE | 18.395 | 128 | 919027 | 12.96 PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 685461 | 8.17 PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

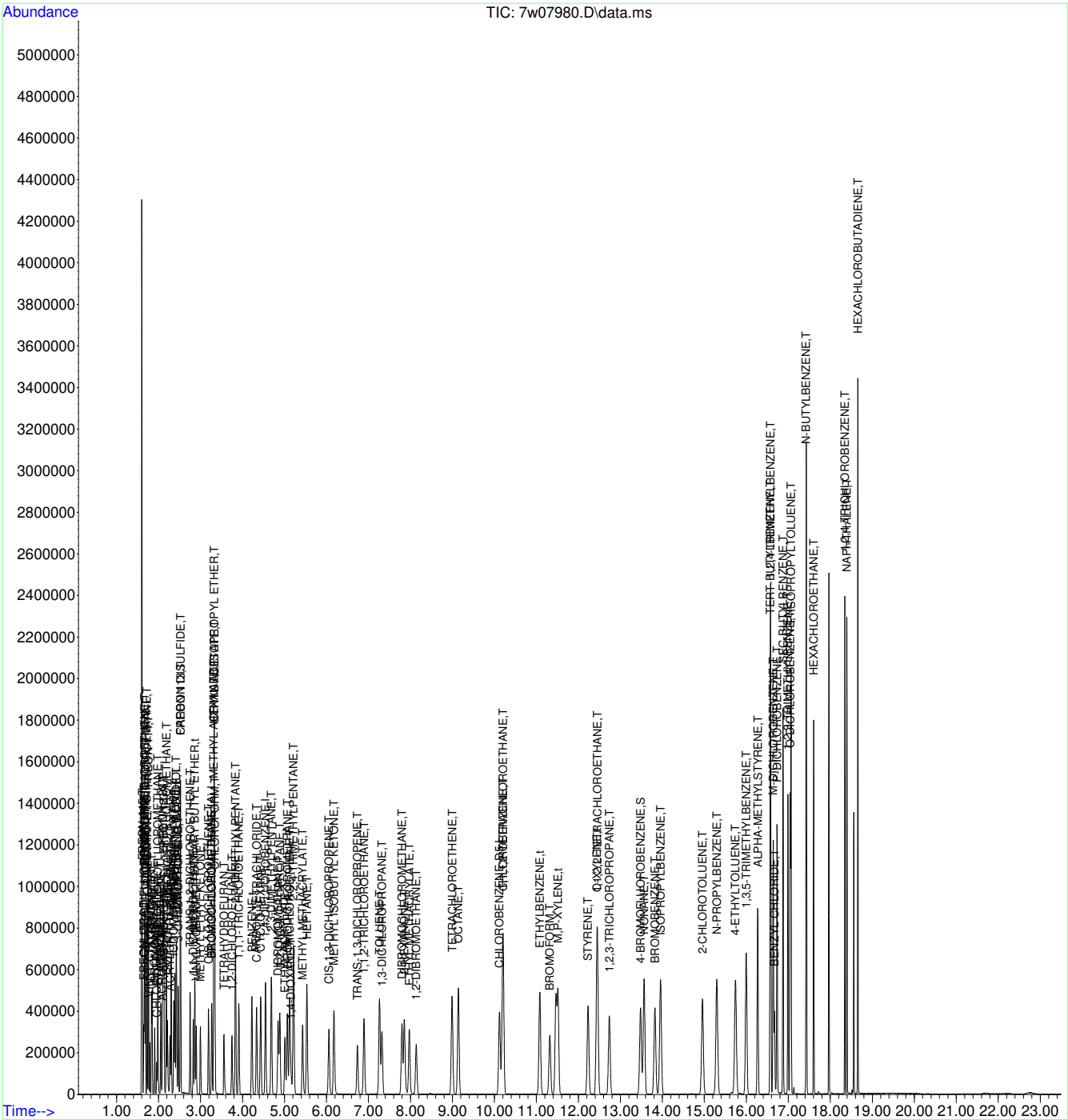
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



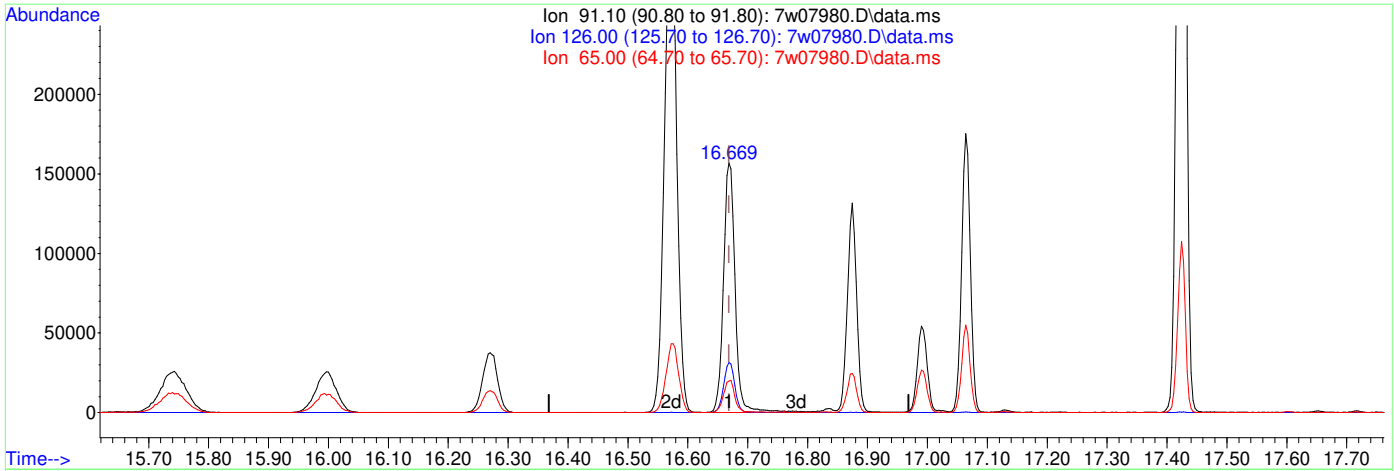
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-ICC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07980.D | **Analyst approved:** | 08/19/24 12:13 Kanya Veerawat |
| **Injection Time:** | 08/19/24 00:35 | **Supervisor approved:** | 08/19/24 12:13 Kanya Veerawat |

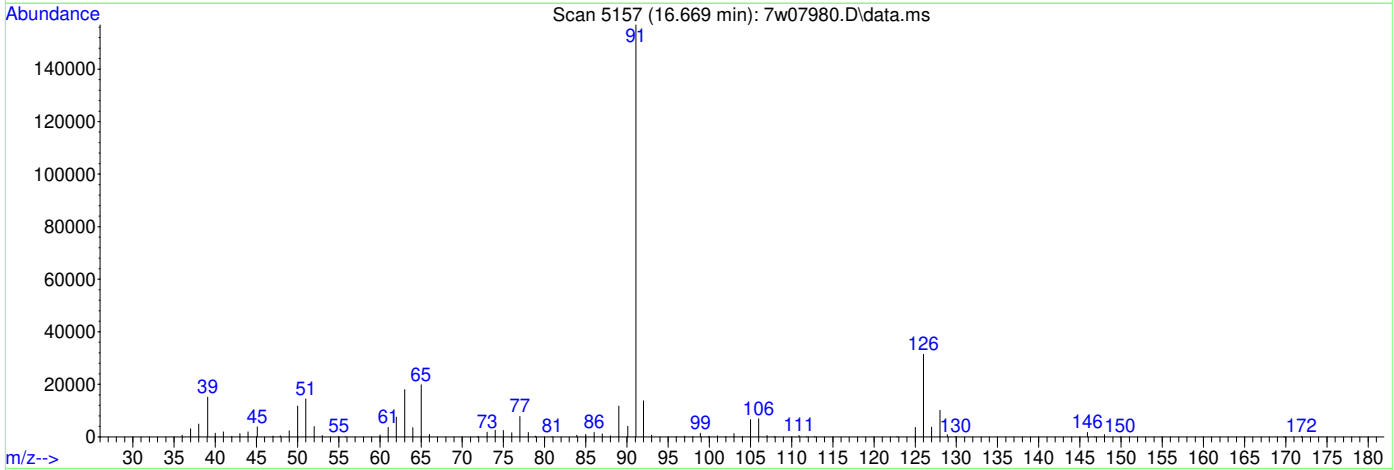
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

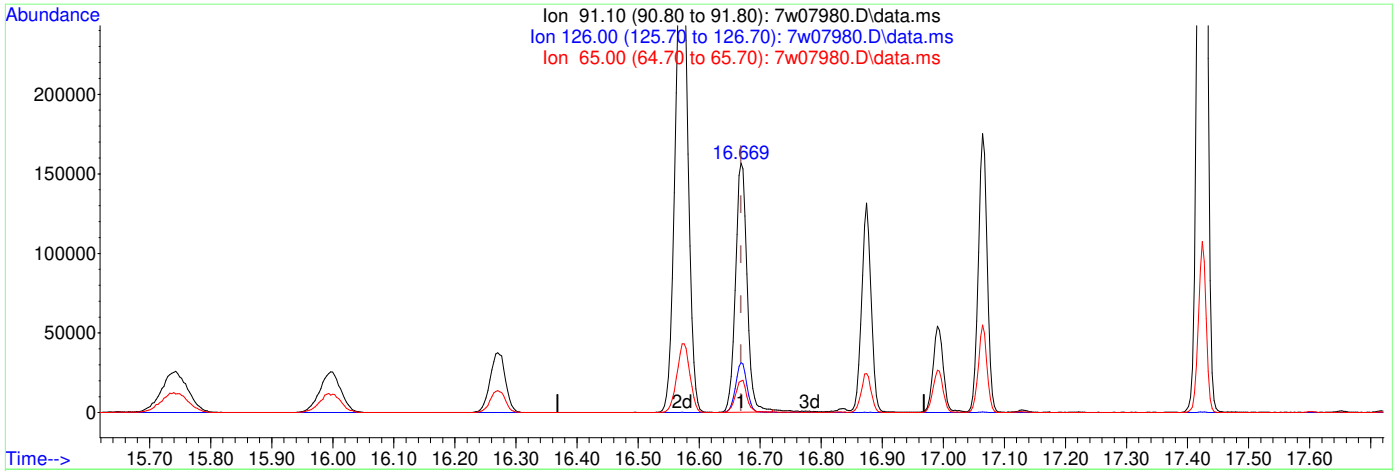
response 209652

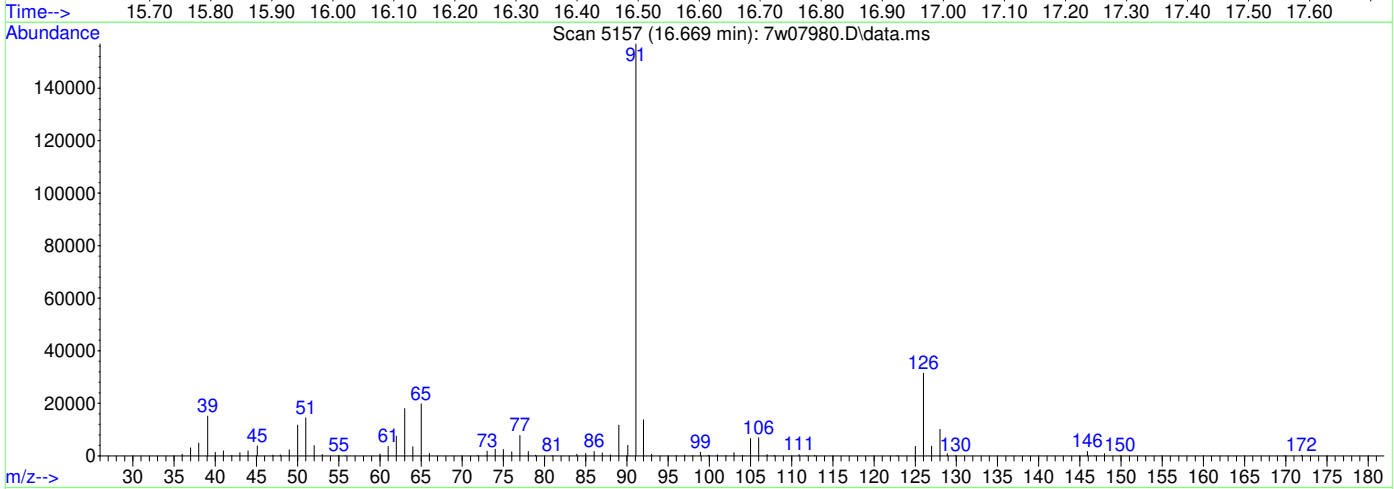
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.52 |
| 65.00 | 13.50 | 13.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.87 |
| 65.00 | 13.50 | 13.30 |
| 0.00 | 0.00 | 0.00 |

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 399337 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 358279 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 266903 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 223150 | 21.59 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 113696 | 20.51 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 54585 | 20.96 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 260366 | 20.90 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 680605 | 20.91 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 152928 | 19.87 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 568833 | 20.81 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 605062 | 21.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 78040 | 18.64 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 255415 | 19.85 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 213526 | 19.54 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 396119 | 20.43 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 203898 | 20.45 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 134751 | 20.22 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 524283 | 21.39 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 223496 | 16.36 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 122465 | 21.34 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 531281 | 19.97 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 323136 | 21.67 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 609713 | 21.19 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.209 | 45 | 505798 | 16.79 | PPBV | | 99 |
| 23) ACETONE | 2.129 | 58 | 132986 | 12.82 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 275517 | 17.87 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 554198 | 21.34 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 224620 | 19.91 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 672044 | 20.83 | PPBV | | 98 |
| 28) ETHANOL | 1.987 | 45 | 128753 | 12.10 | PPBV | | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 208300 | 20.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 196181 | 17.77 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 204874 | 17.29 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 113419 | 20.29 | PPBV | | 94 |
| 33) FREON 113 | 2.524 | 151 | 360148 | 21.14 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 212265 | 18.95 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.412 | 59 | 502012 | 18.93 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 565864 | 21.86 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.553 | 72 | 108661 | 22.89 | PPBV | | 99 |
| 38) HEXANE | 3.319 | 57 | 447138 | 20.24 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 53174 | 25.07 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 406429 | 20.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 113742 | 22.35 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 229111 | 21.47 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 128654 | 22.05 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.328 | 61 | 90518 | 21.25 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 541298 | 22.09 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 481874 | 21.68 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 493893 | 21.63 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 446392 | 22.10 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 457450 | 22.82 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 359999 | 21.41 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 686901 | 21.16 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 301083 | 21.52 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 159069 | 22.48 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 315589 | 21.12 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 281821 | 20.99 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 258319 | 20.58 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 648686 | 22.22 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 520746 | 22.92 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 1363236 | 20.68 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.142 | 88 | 159662 | 20.39 | PPBV | # | 93 |
| 62) | HEPTANE | 5.534 | 43 | 490987 | 20.96 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 269942 | 22.03 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 278412 | 18.84 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 416046 | 23.40 | PPBV | | 98 |
| 66) | TOLUENE | 7.267 | 91 | 894765 | 21.73 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 454192 | 22.55 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 339286 | 24.33 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 252481 | 22.25 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 409335 | 18.16 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 456862 | 22.78 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 312906 | 20.27 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 522506 | 25.25 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 469334 | 23.12 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 701989 | 20.21 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.215 | 131 | 358362 | 23.86 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 755223 | 22.52 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.087 | 91 | 1235495 | 20.71 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.514 | 91 | 1915233 | 51.64 | PPBV | | 98 |
| 81) | O-XYLENE | 12.447 | 91 | 990163 | 22.27 | PPBV | | 97 |
| 82) | STYRENE | 12.235 | 104 | 744264 | 23.04 | PPBV | | 100 |
| 83) | NONANE | 13.569 | 43 | 767362 | 21.75 | PPBV | | 100 |
| 84) | BROMOFORM | 11.322 | 173 | 476337 | 25.55 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.460 | 83 | 719296 | 23.01 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 552619 | 23.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.961 | 120 | 370195 | 21.85 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.829 | 77 | 689619 | 22.52 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.961 | 126 | 332076 | 21.66 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 388667 | 22.47 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 1411045 | 23.43 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 1186430 | 21.61 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 616609 | 22.44 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 285876 | 21.66 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.582 | 105 | 1283114 | 22.29 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.672 | 91 | 586437m | 33.00 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 806410 | 22.21 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 813706 | 21.78 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.048 | 146 | 781278 | 21.49 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 363104 | 21.90 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 1240077 | 21.66 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 399174 | 21.83 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 407447 | 22.96 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 446077 | 27.20 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 601439 | 23.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 799662 | 26.27 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 2024654 | 23.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 1370798 | 16.29 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

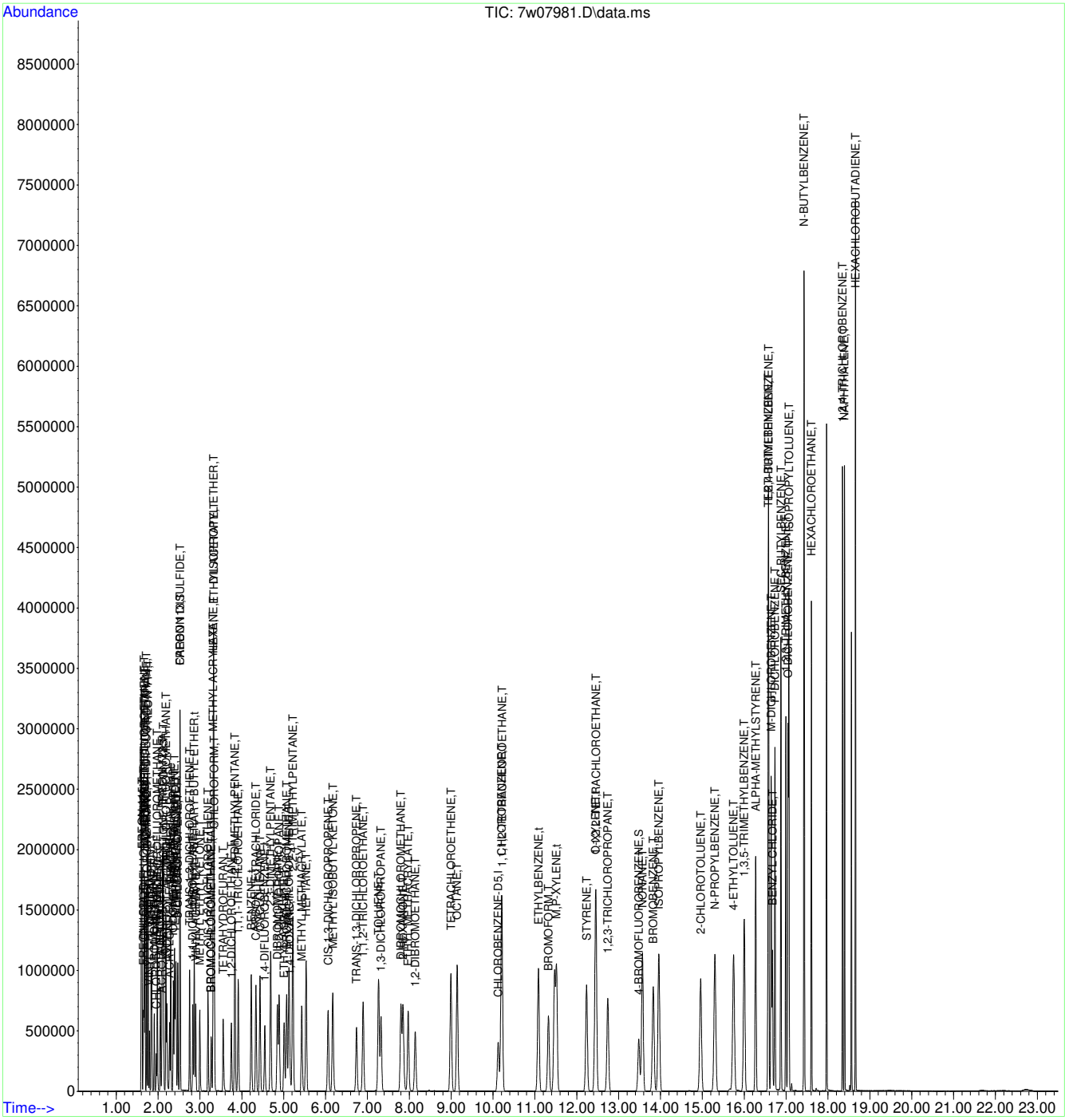
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



**Sample Number:** V7W305-IC305
**Lab FileID:** 7W07981.D
**Injection Time:** 08/19/24 01:10

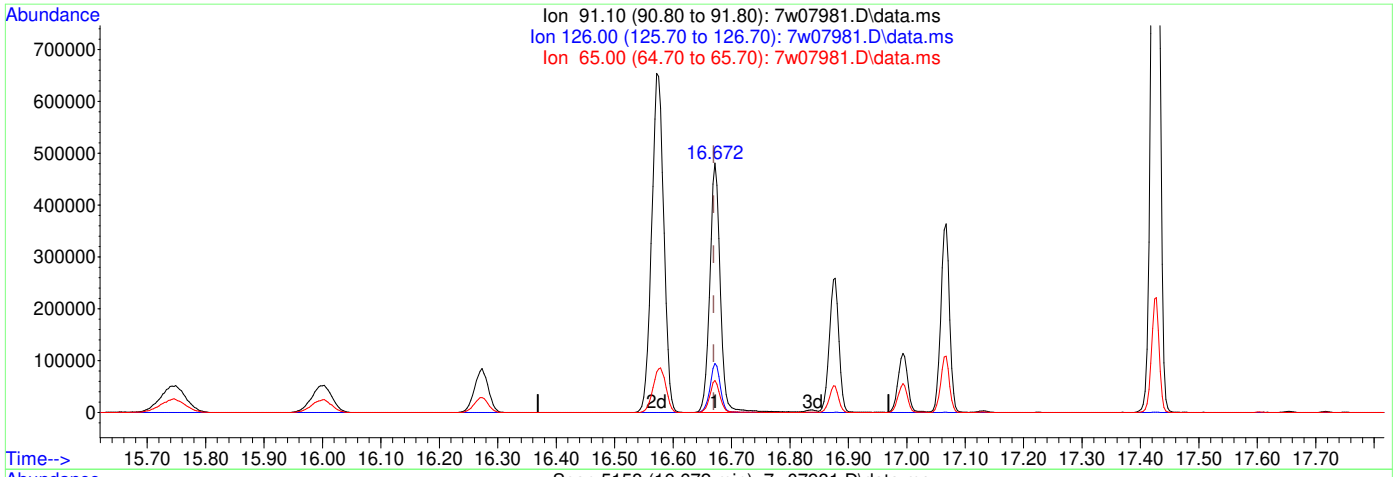
**Method:** TO-15
**Analyst approved:** 08/19/24 09:06 Benjamin Kim
**Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

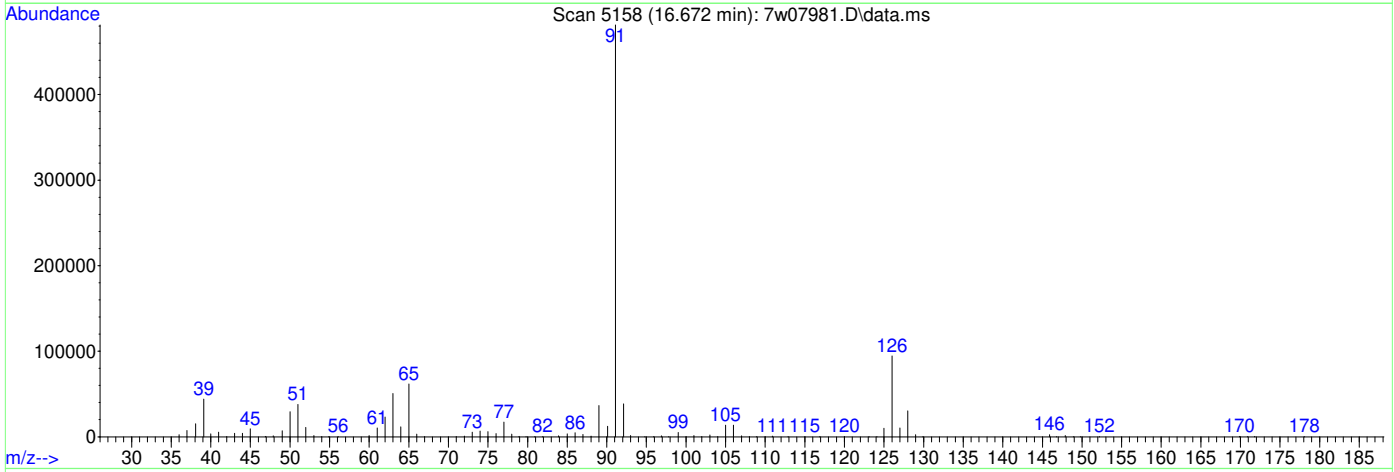
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

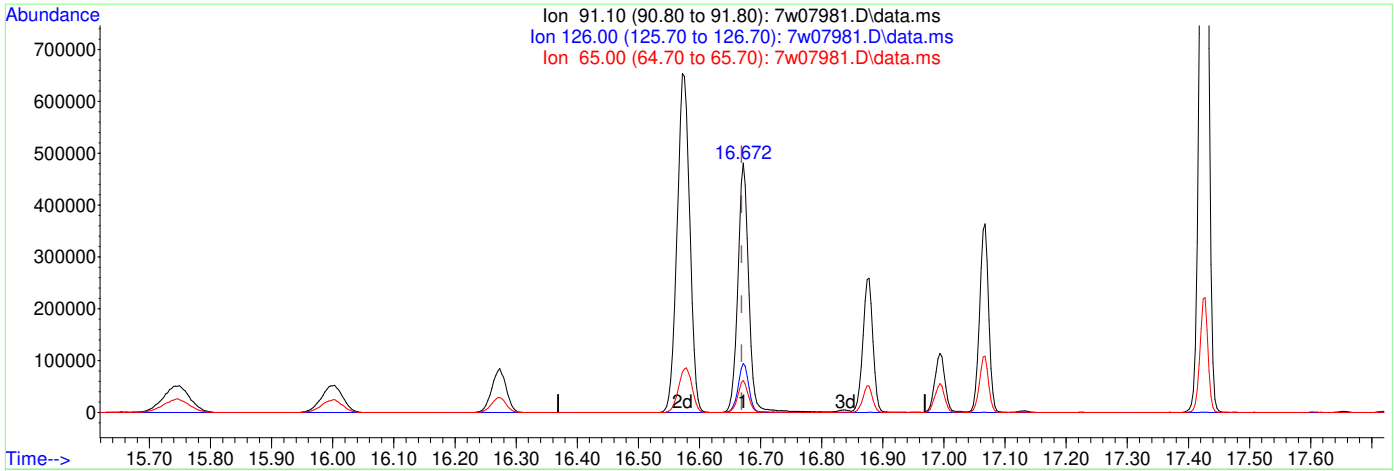
response 598744

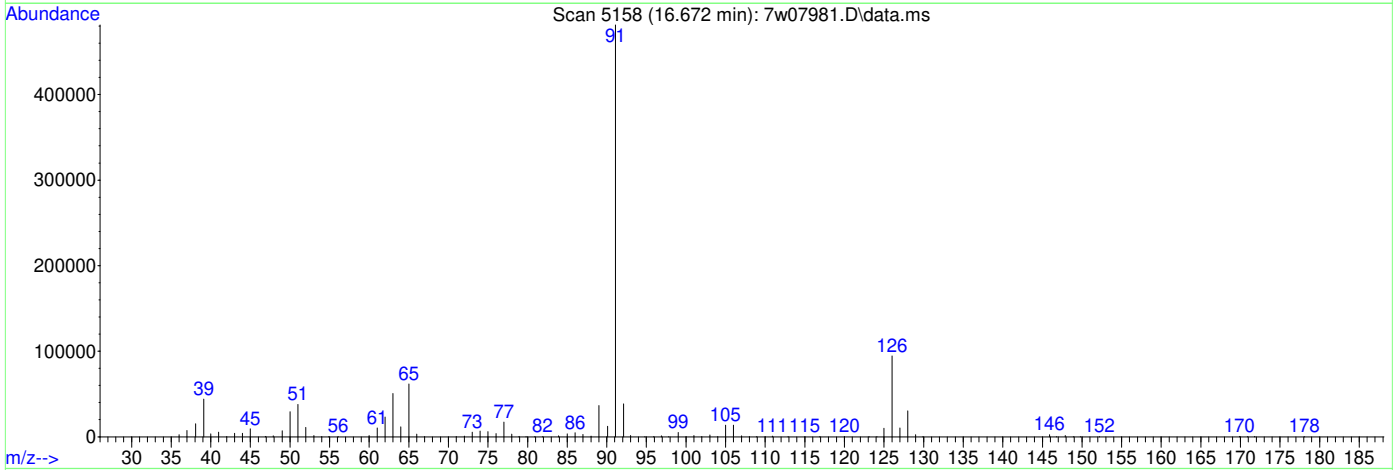
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.41 |
| 65.00 | 13.50 | 12.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.82 |
| 65.00 | 13.50 | 13.18 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 77284 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 380992 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.129 | 117 | 341287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 77286 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 254399 | 10.16 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 479498 | 49.08 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 225277 | 41.32 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 107855 | 41.41 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 531168 | 42.36 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 1365507 | 42.82 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 307501 | 41.15 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1126152 | 42.58 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1216958 | 44.90 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 155210 | 39.41 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 503905 | 41.23 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 423360 | 41.02 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 784812 | 43.23 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 405186 | 41.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 265590 | 41.21 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1054144 | 44.46 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 444566 | 35.18 | PPBV | | 100 |
| 18) ACROLEIN | 2.091 | 56 | 244650 | 46.58 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 1072484 | 42.46 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 648266 | 45.20 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1217843 | 43.41 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 986924 | 35.57 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 267712 | 27.52 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 541283 | 39.96 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 1107350 | 45.77 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 444048 | 42.54 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1380820 | 45.82 | PPBV | | 97 |
| 28) ETHANOL | 1.988 | 45 | 246600 | 22.56 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 411694 | 41.15 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 386593 | 39.48 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 403498 | 36.21 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 229000 | 43.65 | PPBV | | 92 |
| 33) FREON 113 | 2.525 | 151 | 717158 | 44.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 418606 | 39.92 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 988301 | 41.72 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1162668 | 45.46 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 216092 | 45.61 | PPBV | | 99 |
| 38) HEXANE | 3.322 | 57 | 909825 | 43.13 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 112738 | 52.89 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 811814 | 42.39 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 229599 | 45.08 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 461447 | 43.14 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 260000 | 46.49 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.332 | 61 | 186268 | 45.35 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1119785 | 47.57 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.345 | 83 | 964123 | 43.74 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1011033 | 45.64 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 934248 | 46.56 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 968917 | 48.27 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 733596 | 44.30 | PPBV | | 100 |
| 51) | BENZENE | 4.226 | 78 | 1385476 | 42.73 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 603407 | 44.01 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 320742 | 46.54 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 641066 | 43.93 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 574606 | 44.69 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 521107 | 42.96 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1339537 | 48.52 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1065741 | 47.59 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 2752474 | 44.22 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 316234 | 41.72 | PPBV | # | 91 |
| 62) | HEPTANE | 5.537 | 43 | 994256 | 45.09 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 556132 | 46.84 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 558762 | 39.99 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 875361 | 50.16 | PPBV | | 98 |
| 66) | TOLUENE | 7.270 | 91 | 1807715 | 45.02 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 913247 | 46.29 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 743619 | 53.83 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 505262 | 45.59 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 793923 | 38.66 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.975 | 69 | 944521 | 49.01 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 632328 | 43.26 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1085341 | 51.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 957340 | 48.14 | PPBV | | 99 |
| 75) | OCTANE | 9.148 | 43 | 1415805 | 43.08 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 747842 | 50.62 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.206 | 112 | 1519252 | 45.56 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 2480888 | 44.56 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.524 | 91 | 3827571 | 90.65 | PPBV | | 98 |
| 81) | O-XYLENE | 12.453 | 91 | 1995478 | 46.04 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1510779 | 47.29 | PPBV | | 100 |
| 83) | NONANE | 13.576 | 43 | 1529296 | 45.44 | PPBV | | 99 |
| 84) | BROMOFORM | 11.328 | 173 | 1015782 | 55.05 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.466 | 83 | 1454357 | 47.64 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.746 | 75 | 1111565 | 47.22 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.968 | 120 | 745304 | 45.82 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.833 | 77 | 1398331 | 46.31 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.965 | 126 | 671558 | 44.16 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 787486 | 46.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.752 | 105 | 2903289 | 49.04 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.006 | 105 | 2452735 | 46.90 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.276 | 118 | 1287592 | 49.03 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 595730 | 48.09 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.588 | 105 | 2687686 | 49.67 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.675 | 91 | 1577661 | 77.14 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 1650345 | 48.34 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 1699131 | 47.87 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 1624812 | 47.84 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 741809 | 48.93 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.997 | 105 | 2571874 | 48.72 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 821843 | 48.57 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 861362 | 51.77 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1016583 | 64.36 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 1336000 | 52.86 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1756356 | 53.82 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 4403551 | 50.52 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 2678485 | 35.13 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

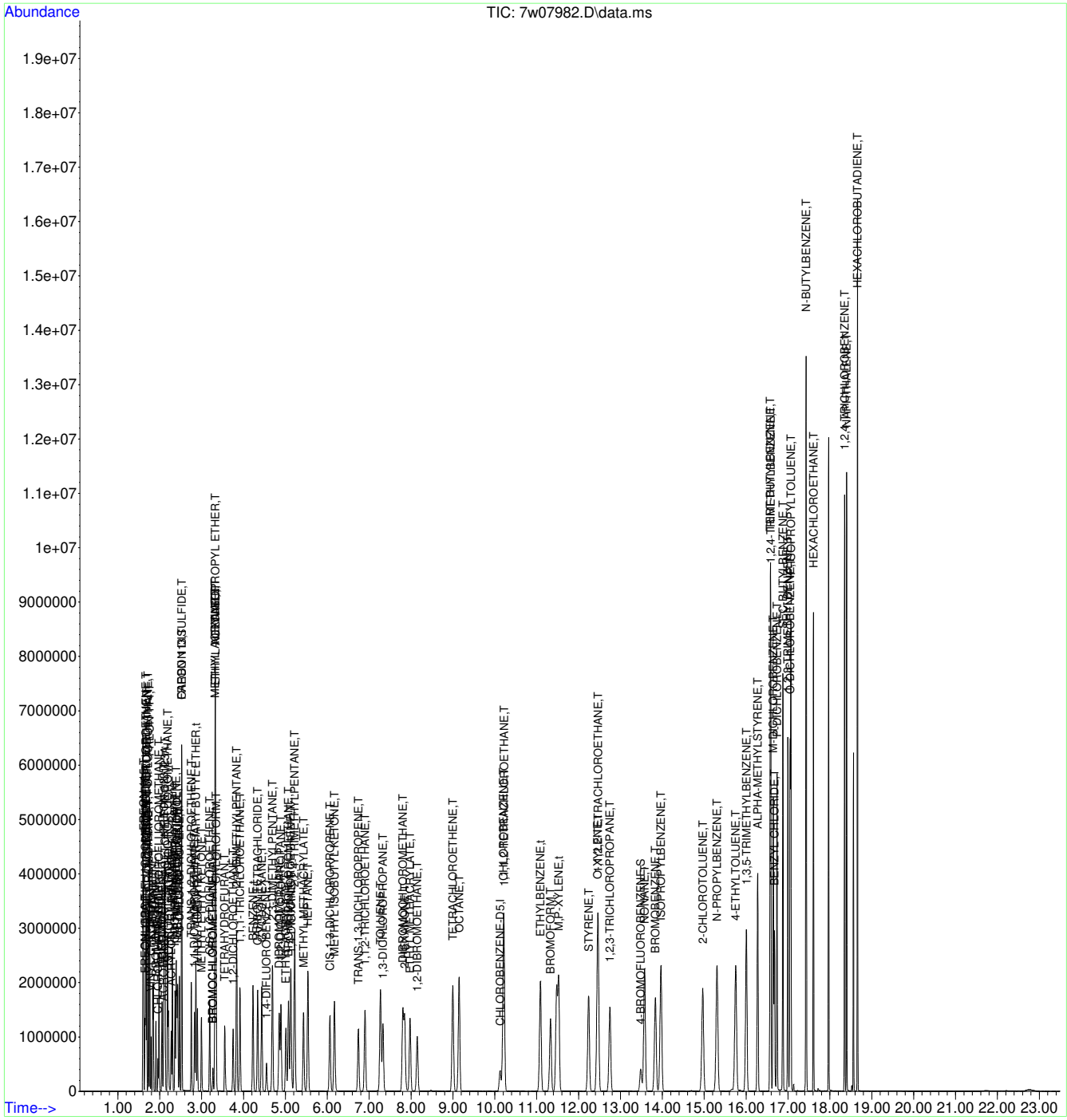
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.270 | 128 | 78494 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 389657 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.126 | 117 | 345790 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.270 | 128 | 78466 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262126 | 10.33 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 245619 | 24.76 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 291677 | 52.67 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 141627 | 53.53 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 690638 | 54.22 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 1753161 | 54.12 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 405362 | 53.41 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1432344 | 53.33 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1558278 | 56.61 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 195627 | 48.91 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 635465 | 51.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 540324 | 51.55 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 998179 | 54.13 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 514200 | 51.79 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 333396 | 50.94 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1339188 | 55.61 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 560405 | 43.66 | PPBV | | 100 |
| 18) ACROLEIN | 2.090 | 56 | 312569 | 58.59 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 1374797 | 53.58 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 825932 | 56.70 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1536852 | 53.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 1276024 | 45.28 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 337983 | 34.21 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 687480 | 49.97 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 1405240 | 57.19 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 566307 | 53.41 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1762887 | 57.59 | PPBV | | 96 |
| 28) ETHANOL | 1.988 | 45 | 321155 | 35.32 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 524513 | 51.62 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 490384 | 49.31 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 515055 | 45.51 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 294143 | 55.20 | PPBV | | 90 |
| 33) FREON 113 | 2.525 | 151 | 913434 | 55.78 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 535169 | 50.25 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 1298839 | 53.98 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1507766 | 58.04 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 274817 | 57.11 | PPBV | | 98 |
| 38) HEXANE | 3.322 | 57 | 1158103 | 54.06 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 146094 | 67.49 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 1030008 | 52.95 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 294713 | 56.98 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 589563 | 54.27 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 332704 | 58.58 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.332 | 61 | 237324 | 56.89 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1426991 | 59.69 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 1214394 | 54.25 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1280289 | 56.90 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 1200423 | 58.91 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 1255040 | 61.56 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.753 | 62 | 933342 | 55.50 | PPBV | | 100 |
| 51) BENZENE | 4.229 | 78 | 1758391 | 53.39 | PPBV | | 100 |
| 53) CYCLOHEXANE | 4.434 | 84 | 764340 | 54.51 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 410142 | 58.19 | PPBV | | 99 |
| 55) TRICHLOROETHENE | 5.129 | 95 | 820753 | 55.00 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 728144 | 55.37 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 4.856 | 174 | 664737 | 53.59 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 1729659 | 61.26 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.074 | 83 | 1366362 | 59.66 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 3472389 | 54.54 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 5.135 | 88 | 411014 | 53.01 | PPBV | # | 91 |
| 62) HEPTANE | 5.540 | 43 | 1257625 | 55.77 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 710742 | 58.53 | PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 6.171 | 58 | 700033 | 48.98 | PPBV | | 100 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 1127356 | 63.16 | PPBV | | 97 |
| 66) TOLUENE | 7.270 | 91 | 2289185 | 55.74 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.331 | 76 | 1142857 | 56.64 | PPBV | | 99 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 969360 | 68.61 | PPBV | | 96 |
| 69) 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 643667 | 56.79 | PPBV | | 100 |
| 70) 2-HEXANONE | 7.849 | 58 | 988014 | 47.05 | PPBV | | 100 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 1193687 | 60.56 | PPBV | | 99 |
| 72) TETRACHLOROETHENE | 9.000 | 164 | 805208 | 53.86 | PPBV | | 99 |
| 73) DIBROMOCHLOROMETHANE | 7.804 | 129 | 1392250 | 64.12 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.151 | 107 | 1218207 | 59.90 | PPBV | | 99 |
| 75) OCTANE | 9.151 | 43 | 1775513 | 52.82 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 958162 | 64.01 | PPBV | | 98 |
| 78) CHLOROBENZENE | 10.209 | 112 | 1916033 | 56.71 | PPBV | | 99 |
| 79) ETHYLBENZENE | 11.090 | 91 | 3150833 | 55.86 | PPBV | | 100 |
| 80) M,P-XYLENE | 11.524 | 91 | 4833704 | 112.99 | PPBV | | 98 |
| 81) O-XYLENE | 12.457 | 91 | 2534915 | 57.72 | PPBV | | 97 |
| 82) STYRENE | 12.241 | 104 | 1921279 | 59.36 | PPBV | | 99 |
| 83) NONANE | 13.579 | 43 | 1935888 | 56.77 | PPBV | | 99 |
| 84) BROMOFORM | 11.331 | 173 | 1314897 | 70.33 | PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.473 | 83 | 1856029 | 60.00 | PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.752 | 75 | 1408047 | 59.04 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.971 | 120 | 945561 | 57.37 | PPBV | | 99 |
| 89) BROMOBENZENE | 13.836 | 77 | 1768536 | 57.81 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.968 | 126 | 853495 | 55.39 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.305 | 120 | 1005505 | 58.13 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 15.756 | 105 | 3707934 | 61.82 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 16.010 | 105 | 3135087 | 59.17 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 16.280 | 118 | 1653911 | 62.16 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.579 | 134 | 766074 | 61.04 | PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.591 | 105 | 3471175 | 63.31 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.678 | 91 | 2221433 | 107.20 | PPBV | | 99 |
| 98) M-DICHLOROBENZENE | 16.649 | 146 | 2136121 | 61.75 | PPBV | | 100 |
| 99) P-DICHLOROBENZENE | 16.739 | 146 | 2201660 | 61.23 | PPBV | | 100 |
| 100) O-DICHLOROBENZENE | 17.051 | 146 | 2121120 | 61.64 | PPBV | | 99 |
| 101) SEC-BUTYLBENZENE | 16.881 | 134 | 961231 | 62.57 | PPBV | | 99 |
| 102) 1,2,3-TRIMETHYLBENZENE | 17.000 | 105 | 3311109 | 61.90 | PPBV | | 100 |
| 103) P-ISOPROPYLTOLUENE | 17.071 | 134 | 1069730 | 62.40 | PPBV | | 99 |
| 104) N-BUTYLBENZENE | 17.431 | 134 | 1119830 | 66.42 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 17.608 | 117 | 1352760 | 84.53 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 18.662 | 225 | 1795989 | 70.14 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.353 | 180 | 2392266 | 72.35 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.402 | 128 | 6097099 | 69.04 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 3373992 | 43.59 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

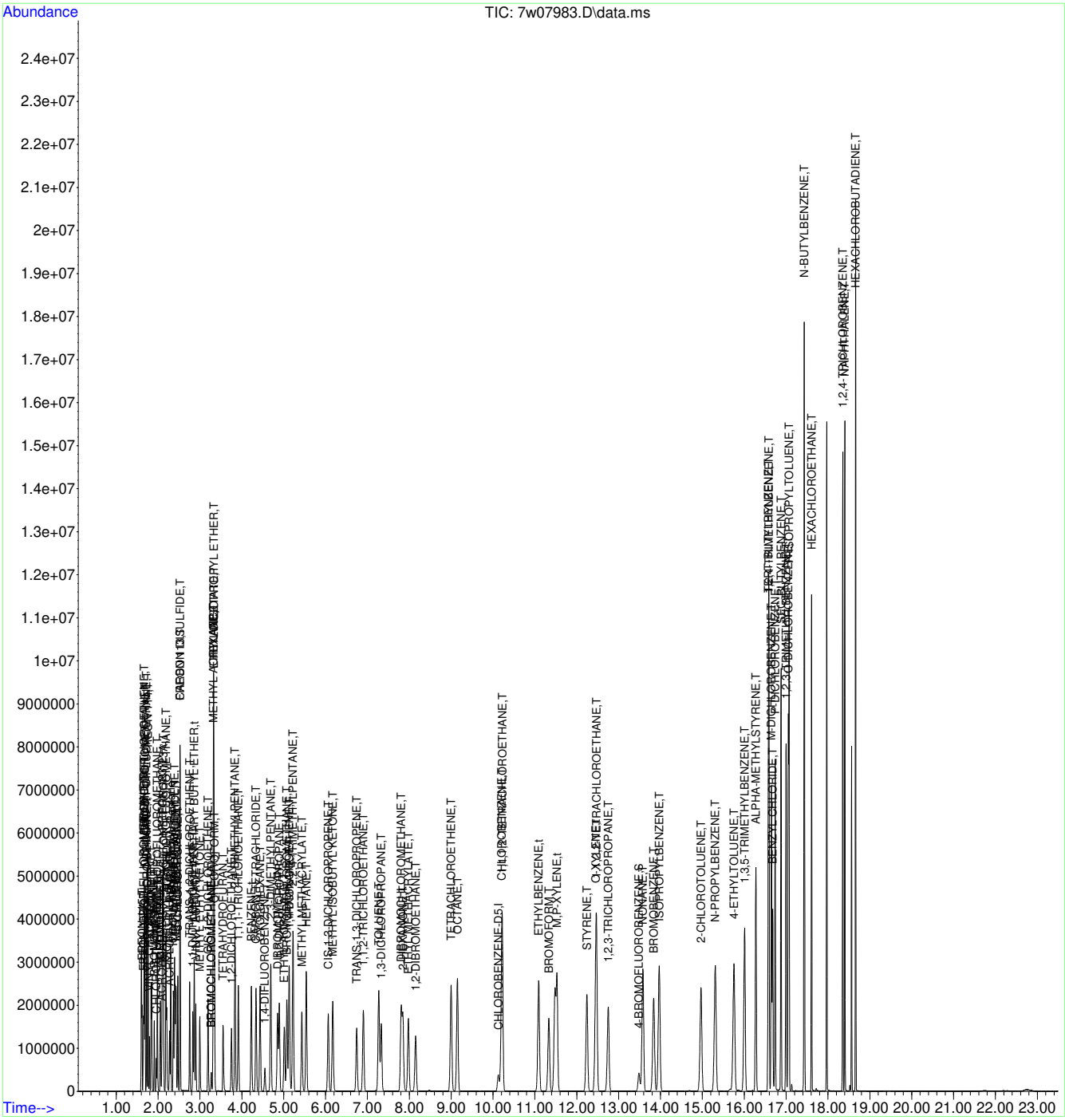
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 379483 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 340309 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 247947 | 9.93 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.614 | 119 | 109240 | 11.17 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 53753 | 10.19 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 25133 | 9.88 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 122894 | 9.94 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 332419 | 10.88 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 70144 | 9.60 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 281408 | 11.00 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 300241 | 11.55 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38535 | 9.73 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 125485 | 10.31 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 103362 | 10.44 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 192783 | 10.67 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 101749 | 10.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 65638 | 10.53 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 265986 | 11.16 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 112948 | 9.54 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 60791 | 10.23 | PPBV | | 98 |
| 19) FREON 123 | 2.103 | 83 | 252173 | 10.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 145517 | 10.48 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 303115 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.212 | 45 | 271631 | 10.52 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 65635 | 9.33 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 132878 | 10.13 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 277095 | 11.72 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 113020 | 11.08 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 349631 | 11.76 | PPBV | | 100 |
| 28) ETHANOL | 1.991 | 45 | 58992 | 8.36 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 103369 | 11.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 96396 | 10.07 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 104108 | 9.92 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56363 | 10.49 | PPBV | | 93 |
| 33) FREON 113 | 2.524 | 151 | 183367 | 11.42 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 107278 | 10.78 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 294471 | 11.88 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273981 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.556 | 72 | 51249 | 10.76 | PPBV | | 97 |
| 38) HEXANE | 3.319 | 57 | 196473 | 9.44 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 25222 | 11.09 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 191878 | 10.35 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 52375 | 10.33 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 109602 | 10.39 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 57566 | 10.63 | PPBV | | 93 |
| 44) ETHYL ACETATE | 3.328 | 61 | 39996 | 10.06 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 245056 | 10.75 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 229319 | 10.75 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 225377 | 10.13 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 204733 | 10.54 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 200635 | 10.52 | PPBV | | 99 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 169201 | 10.46 | PPBV | | 99 |
| 51) | BENZENE | 4.222 | 78 | 316278 | 10.07 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 138874 | 10.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 73542 | 10.71 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 147930 | 10.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 132436 | 10.24 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 125660 | 10.30 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 296975 | 10.70 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 239481 | 10.74 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 618959 | 10.08 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 78243 | 9.84 | PPBV | # | 98 |
| 62) | HEPTANE | 5.534 | 43 | 215703 | 10.00 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 124844 | 10.75 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 128395 | 9.67 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 172676 | 10.42 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 409854 | 10.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 206984 | 10.43 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 141799 | 10.43 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 119463 | 10.82 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.852 | 58 | 184918 | 9.13 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 210624 | 10.97 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 146582 | 10.16 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 231313 | 10.94 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 217379 | 11.18 | PPBV | | 99 |
| 75) | OCTANE | 9.141 | 43 | 307968 | 9.49 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 157549 | 10.79 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 345685 | 10.49 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 562286 | 10.41 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.511 | 91 | 869508 | 20.39 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 442080 | 10.32 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 333475 | 10.76 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 334870 | 9.89 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 199478 | 10.77 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 324727 | 10.77 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 250625 | 10.29 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 169216 | 10.43 | PPBV | | 100 |
| 89) | BROMOBENZENE | 13.820 | 77 | 313692 | 10.22 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 154799 | 10.41 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 176747 | 10.58 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.742 | 105 | 631445 | 10.68 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 529517 | 10.64 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 285116 | 10.78 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 128929 | 10.83 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 562226 | 10.81 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.668 | 91 | 224329 | 14.83 | PPBV | | 100 |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 357907 | 10.31 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 364848 | 10.60 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 347951 | 10.47 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 164754 | 11.00 | PPBV | | 96 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 547996 | 10.41 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 181395 | 10.85 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 180029 | 10.85 | PPBV | | 97 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 174155 | 10.82 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 264758 | 10.60 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 344052 | 10.34 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 945806 | 10.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 662374 | 10.01 | PPBV | | 100 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

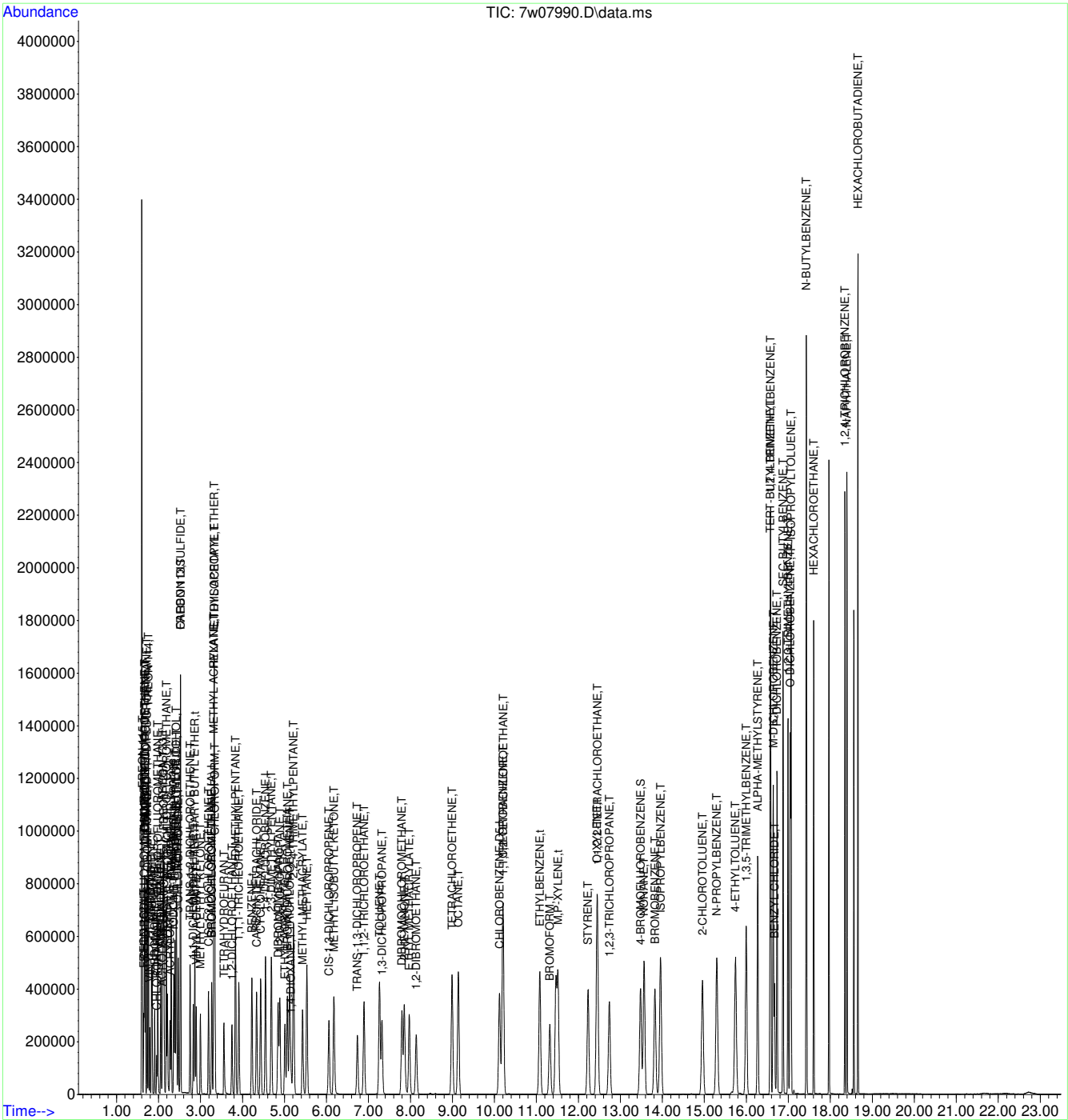
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 318407 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 291110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 198104 | 9.28 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 113904 | 14.6115 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 58252 | 13.8424 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22548 | 11.1109 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 126006 | 12.7755 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258130 | 10.5903 | PPBV | | 96 |
| 7) PROPYLENE | 1.670 | 41 | 73226 | 12.5735 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 176595 | 8.6534 | PPBV | | 93 |
| 9) FREON 114 | 1.763 | 85 | 219367 | 10.5801 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27990 | 8.8659 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 98928 | 10.1918 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 78163 | 9.9046 | PPBV | | 85 |
| 13) N-BUTANE | 1.853 | 43 | 130976 | 9.0882 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.914 | 94 | 79036 | 10.1826 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 53235 | 10.7085 | PPBV | | 88 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 193041 | 10.1603 | PPBV | | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 79921 | 8.4691 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 45813 | 9.6699 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 201941 | 10.4598 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 122795 | 11.0880 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 218154 | 9.9806 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 185164 | 8.9938 | PPBV | | 95 |
| 23) ACETONE | 2.139 | 58 | 55931 | 9.9687 | PPBV | | 67 |
| 24) PENTANE | 2.313 | 42 | 98623 | 9.4305 | PPBV | | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 221386 | 11.7419 | PPBV | | 90 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84778 | 10.4231 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 226201 | 9.5429 | PPBV | # | 91 |
| 28) ETHANOL | 1.994 | 45 | 48617 | 8.6425 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83038 | 11.1865 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 72323 | 9.4774 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75641 | 9.0358 | PPBV | | 81 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 40143 | 9.3713 | PPBV | # | 64 |
| 33) FREON 113 | 2.531 | 151 | 133379 | 10.4200 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.760 | 96 | 90620 | 11.4238 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 178450 | 9.0300 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 237675 | 11.9255 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45414 | 11.9586 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 189796 | 11.4405 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 21344 | 11.7644 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 185111 | 12.5230 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 48844 | 12.0820 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95378 | 11.3375 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 53282 | 12.3430 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 37519 | 11.8340 | PPBV | | 80 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 218966 | 12.0500 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 183591 | 10.7906 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 217186 | 12.2384 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179721 | 11.6039 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188242 | 12.3820 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 136186 | 10.5541 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 287054 | 11.4643 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 122945 | 10.9323 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66429 | 11.5345 | PPBV | | 92 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124262 | 10.1896 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 125410 | 11.5600 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 108654 | 10.6178 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 267659 | 11.4928 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 201360 | 10.7597 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 593969 | 11.5245 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 67571 | 10.1241 | PPBV | # | 92 |
| 62) | HEPTANE | 5.538 | 43 | 200831 | 11.0999 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 111342 | 11.4310 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116688 | 10.4765 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.062 | 75 | 168984 | 12.1544 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 344235 | 10.1611 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 174071 | 10.4582 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139249 | 12.2098 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.898 | 83 | 101012 | 10.9059 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 163348 | 9.6093 | PPBV | | 87 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 179505 | 11.1440 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 132275 | 10.9275 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200550 | 11.3029 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 182038 | 11.1564 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 274062 | 10.0697 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144332 | 11.5604 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 276377 | 9.8077 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 454221 | 9.8333 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 696539 | 19.0900 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 354868 | 9.6873 | PPBV | | 99 |
| 82) | STYRENE | 12.232 | 104 | 275318 | 10.3876 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 281389 | 9.7128 | PPBV | | 94 |
| 84) | BROMOFORM | 11.322 | 173 | 186323 | 11.7618 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 264100 | 10.2355 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 200411 | 9.6181 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 135526 | 9.7674 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 247703 | 9.4364 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 120539 | 9.4762 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 141576 | 9.9091 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 515336 | 10.1876 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 416897 | 9.7951 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 212144 | 9.3804 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102158 | 10.0338 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 434416 | 9.7670 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257456 | 19.8916 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 290983 | 9.8030 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 295431 | 10.0349 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 277787 | 9.7722 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 130027 | 10.1472 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 415375 | 9.2243 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 139585 | 9.7620 | PPBV | | 94 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 139967 | 9.8616 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159918 | 11.6099 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.650 | 225 | 220878 | 10.3419 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 269758 | 9.4800 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 626781 | 8.4309 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 466760 | 8.8472 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

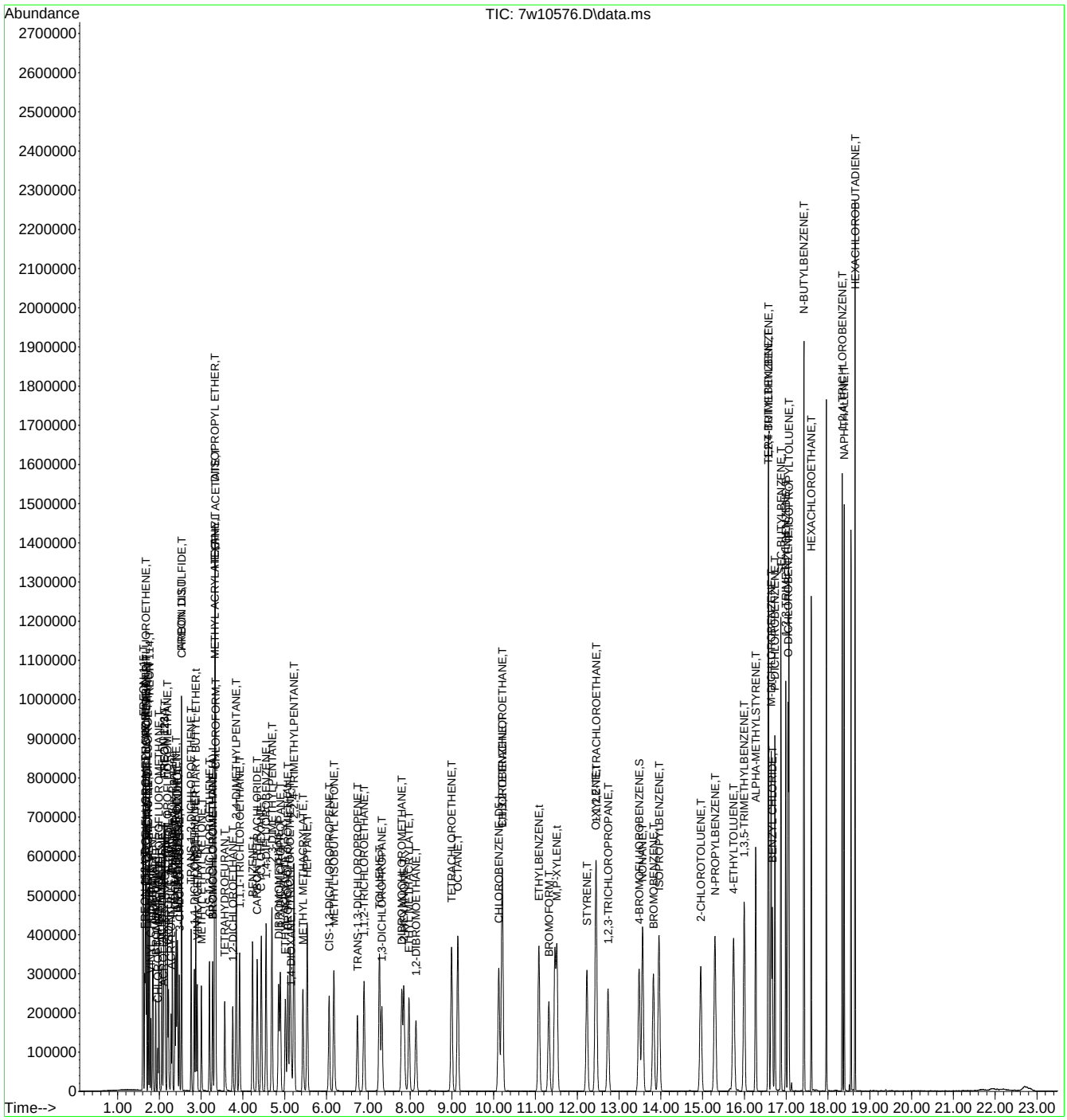
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A1784 | AS10508 | 12/30/2024 | 0.5 |
| TO-15 STD | A2040 | AS10510 | 1/5/2025 | 5.0 |
| TO-15 STD | A1788 | AS10499 | 12/28/2024 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** V5W2125
**Date:** 12/8/2024
**Laboratory Analyst:** Benjamin Kim
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s):** Thomas Hilbig

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6 | ib | 5w55453 | | | A2040 | 20 | | | | | - | |
| 1-3 | ib | 5w55454 | | | A1784 | 20 | | | | | - | |
| 1-2 | ib | 5w55455 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55456 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55457 | | | A959 | 20 | | | | | - | |
| 1-3 | bfb | 5w55458 | | | A1784 | 32 | | | | | OK | T = 10:53 |
| 1-3 | ic2125-0.04 | 5w55459 | | | A1784 | 32 | | | √ | √ | OK | |
| 1-3 | ic2125-0.1 | 5w55460 | | | A1784 | 80 | | | √ | √ | OK | |
| 1-3 | ic2125-0.2 | 5w55461 | | | A1784 | 160 | | | √ | √ | OK | |
| 1-3 | ic2125-0.5 | 5w55462 | | | A1784 | 400 | | | | | NOT USED | Testing Purposes |
| 1-6 | ic2125-0.5 | 5w55463 | | | A2040 | 40 | | | √ | √ | OK | |
| 1-6 | ic2125-5 | 5w55464 | | | A2040 | 400 | | | √ | √ | OK | |
| 1-1 | ic2125-5 | 5w55465 | | | A1788 | 40 | | | | | NOT USED | Testing Purposes |
| 1-1 | icc2125-10 | 5w55466 | | | A1788 | 80 | | | √ | √ | OK | |
| 1-1 | ic2125-20 | 5w55467 | | | A1788 | 160 | | | √ | √ | OK | |
| 1-1 | ic2125-40 | 5w55468 | | | A1788 | 320 | | | √ | √ | OK | |
| 1-1 | ic2125-50 | 5w55469 | | | A1788 | 400 | | | √ | √ | OK | |
| 1-2 | ib | 5w55470 | | | A959 | 200 | | | | | - | |
| 1-2 | ib | 5w55471 | | | A959 | 100 | | | | | - | |
| 1-5 | icv2125-10 | 5w55472 | | | A1795 | 80 | | | | | RR | Nap ↑ |
| 1-5 | icv2125-10 | 5w55473 | | | A1795 | 80 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55695 | | | Open position | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55696 | | | A974 | 80 | | | | | RR | canister valve closed |
| 1-1 | cc2125-10 | 5w55697 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | cc2125-10 | 5w55698 | | | a974 | 80 | | | | | RR | Acetone ↓. Retune instrument |
| 1-2 | bfb | 5w55699 | | | Open position | 20 | | | | | OK | T = 19:52 |
| 1-1 | cc2125-10 | 5w55700 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55701 | | | a974 | 80 | | | √ | √ | OK | MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55702 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | bsd | 5w55703 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑ |
| 1-2 | ib | 5w55704 | | | a2039 | 80 | | | | | - | |
| 1-2 | ib | 5w55705 | | | a2039 | 200 | | | | | - | |
| 1-2 | mb | 5w55706 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55707 | | | a061 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55708 | | | a2175 | 400 | | | √ | √ | RECLEAN | Multiple hits. |
| 1-3 | scc,cp12948 | 5w55709 | | | a2150 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55710 | | | a1184 | 400 | | | √ | √ | RECLEAN | Nap ↑, 124TCB ↑ |
| 1-3 | scc,cp12946 | 5w55711 | | | m162 | 400 | | | √ | √ | RECLEAN | ethanol hit |
| 1-2 | scc,cp12947 | 5w55712 | | | a466 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55713 | | | a1184 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55714 | | | a2119 | 400 | | | √ | √ | OK | |
| 1-5 | je2488-1 | 5w55715 | MS88104 | NYLL | a1324 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-6 | je2488-2 | 5w55716 | MS88104 | NYLL | a879 | 500 | 1 | | ↓1 | √ | OK | for QC purpose only |
| 1-6 | je2488-2dup | 5w55717 | MS88104 | NYLL | a879 | 500 | 1 | | ↑1 | √ | OK | |
| 1-7 | je2489-2 | 5w55718 | MS88104 | NYLL | a1629 | 500 | 1 | | ↓123 | √ | OK/DL | ISTD out |
| 1-8 | je2489-4 | 5w55719 | MS88104 | NYLL | a1190 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-9 | je2490-2 | 5w55720 | MS88104 | NYLL | a1736 | 500 | 1 | | ↓1 | √ | OK/DL | |
| 1-10 | je2490-4 | 5w55721 | MS88104 | NYLL | a2540 | 500 | 1 | | √ | √ | OK/DL | |
| 1-11 | je2491-2 | 5w55722 | MS88104 | NYLL | a1735 | 500 | 1 | | √ | √ | OK/DL | |
| 1-12 | je2491-4 | 5w55723 | MS88104 | NYLL | a1688 | 500 | 1 | | √ | √ | OK/DL | |
| 1-13 | je2487-2 | 5w55724 | MS88104 | NYLL | a1678 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2487-4 | 5w55725 | MS88104 | NYLL | a1659 | 20 | 1 | | √ | √ | OK | |
| 1-15 | je2487-6 | 5w55726 | MS88104 | NYLL | a1284 | 100 | 1 | | | | | Sequence stopped by analyst |
| 1-16 | je2487-3 | 5w55727 | MS88104 | NYSVLL | a1737 | 200 | 1 | | | | | Sequence stopped by analyst |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Initial | Sample ID | Canister SN | Vacuum at Time of | Final Pressure (psig) | Dilution Factor | Canister SN | Canister | Sample Volume | Final Pressure | Equivalent Total Volume | Dilution Factor | Final Canister Dilution Factor |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister | Injection | Dilution | TICS | Areas | | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SN | Volume (cc) | | | IS | SS | | | |
| Date | Initial | Sample ID | Canister SN | Dilution (inHg) | Final Pressure (psig) | Dilution Factor | Canister SN | Volume (cc) | Added (cc) | (psig) | | (cc) | Dilution Factor | Final Canister Dilution Factor |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2136**
**Date: 12/20/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55775 | | | a2039 | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55776 | | | A974 | 80 | | | | | NG | Multiple compounds ↑ retune instrument. |
| 1-2 | bfb | 5w55777 | | | a2039 | 20 | | | | | OK | T = 10:31 |
| 1-1 | cc2125-10 | 5w55778 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55779 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55780 | | | A974 | 80 | | | | | RR | |
| 1-1 | bsd | 5w55781 | | | A974 | 80 | | | √ | √ | OK | 1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55782 | | | a2039 | 400 | | | | | - | |
| 1-2 | mb | 5w55783 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | je2665-1 | 5w55784 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-3 | je2665-1dup | 5w55785 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55786 | MS88104 | NYLL | a1629 | 725 | 1.45 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55787 | MS88104 | NYLL | a1629 | 100 | 1.45 | | √ | √ | OK | |
| 1-5 | je2489-3 | 5w55788 | MS88104 | NYSVLL | a1641 | 400 | 1 | | √ | √ | OK | |
| 1-6 | je2489-4 | 5w55789 | MS88104 | NYLL | a1190 | 740 | 1.48 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55790 | MS88104 | NYSVLL | a761 | 80 | 1 | | √ | √ | OK | f/d |
| 1-8 | je2490-2 | 5w55791 | MS88104 | NYLL | a1736 | 725 | 1.45 | | √ | √ | OK | |
| 1-8 | je2490-2 | 5w55792 | MS88104 | NYLL | a1736 | 10 | 1.45 | | √ | √ | OK | |
| 1-9 | je2490-3 | 5w55793 | MS88104 | NYSVLL | a1293 | 200 | 1 | | √ | √ | OK | |
| 1-10 | je2490-4 | 5w55794 | MS88104 | NYLL | a2540 | 20 | 1 | | √ | √ | OK | |
| 1-11 | je2491-1 | 5w55795 | MS88104 | NYSVLL | a1726 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je2491-2 | 5w55796 | MS88104 | NYLL | a1735 | 10 | 1 | | √ | √ | OK | f/d |
| 1-13 | je2491-3 | 5w55797 | MS88104 | NYSVLL | a1480 | 200 | 1 | | √ | √ | OK | |
| 1-14 | je2491-4 | 5w55798 | MS88104 | NYLL | a1688 | 10 | 1 | | √ | √ | OK | f/d |
| 1-15 | je2670-1 | 5w55799 | MS88187 | 8010L | a1867 | 400 | 1 | | √ | √ | OK | |
| 1-16 | je2670-2 | 5w55800 | MS88187 | 8010L | a1339 | 400 | 1 | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/20/2024 | TH | je2489-2 | a1629 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |
| 12/20/2024 | TH | je2489-4 | a1190 | 8.0 | 1.20 | 1.48 | | | | | 0 | #DIV/0! | **1.48** |
| 12/20/2024 | TH | je2490-2 | a1736 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2136**
**Date: 12/20/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] | | | | | | | | | | | |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2138**
**Date: 12/23/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55817 | | | a2039 | 20 | | | | | RR | |
| 1-1 | bfb | 5w55818 | | | A974 | 80 | | | | | OK | T = 08:13 |
| 1-1 | cc2125-10 | 5w55819 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55820 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55821 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55822 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55823 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | scc,cp12951 | 5w55824 | | | a1634 | 400 | | | √ | √ | OK | |
| 1-3 | je2315-1 | 5w55825 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-3 | je2315-1dup | 5w55826 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2487-1 | 5w55827 | MS88104 | NYSVLL, Nap | m140 | 100 | 1 | | √ | √ | OK | |
| 1-5 | je2487-5 | 5w55828 | MS88104 | NYSVLL, Nap | a1597 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2489-1 | 5w55829 | MS88104 | NYSVLL, Nap | a231 | 400 | 1 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55830 | MS88104 | NYSVLL, Nap | a1761 | 20 | 1 | | √ | √ | OK | |
| 1-8 | je2491-2 | 5w55831 | MS88104 | NYLL, Nap | a1735,m442 | 200 | 135 | | √ | √ | OK | |
| 1-9 | je2491-4 | 5w55832 | MS88104 | NYLL, Nap | a1688 | 5 | 1 | | √ | √ | OK/DL | Acetate ↑ RR 200x |
| 1-10 | je2661-3 | 5w55833 | MS88187 | STD | a664 | 400 | 1 | | √ | √ | OK | |
| 1-11 | je2661-4 | 5w55834 | MS88187 | STD | m116 | 400 | 1 | | √ | √ | OK | |
| 1-12 | je2661-5 | 5w55835 | MS88187 | STD | a2137 | 400 | 1 | | √ | √ | OK | |
| 1-13 | je2792-1 | 5w55836 | MS88386 | STD | a738 | 400 | 1 | | √ | √ | OK | |
| 1-14 | je2792-2 | 5w55837 | MS88386 | STD | a2109 | 400 | 1 | | √ | √ | OK | |
| 1-15 | je2792-3 | 5w55838 | MS88386 | STD | a1817 | 400 | 1 | | √ | √ | OK/DL | Ethyl acetate ↑ RR 100mL |
| 1-16 | je2792-4 | 5w55839 | MS88386 | STD | a1873 | 720 | 1.8 | | √ | √ | OK | |
| 1-2 | je2792-5 | 5w55840 | MS88386 | STD | m137 | 400 | 1 | | | | RR | Canister valve closed. |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/23/2024 | TH | je2491-2 | a1735 | 6.0 | 1.20 | 1.35 | m442 | 1000 | 20 | 14.7 | 2000 | 100 | **135** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Conc. (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2038 | AS10402 | 9/18/2024 | 0.5 |
| TO-15 STD | A2045 | AS10401 | 9/18/2024 | 5.0 |
| TO-15 STD | A1805 | AS10384 | 9/14/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| | | | | |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W305**
**Date: 8/18/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
**Data Validator: Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w07973 | | | A2036 | 100 | | | | | - | |
| 2-1 | bfb | 7w07974 | | | A2038 | 32 | | | | | OK | T = 21:06 |
| 2-1 | ic305-0.04 | 7w07975 | MS80966 | STD+NAP | A2038 | 32 | | | √ | √ | OK | |
| 2-1 | ic305-0.1 | 7w07976 | MS80966 | STD+NAP | A2038 | 80 | | | √ | √ | OK | |
| 2-1 | ic305-0.2 | 7w07977 | MS80966 | STD+NAP | A2038 | 160 | | | √ | √ | OK | |
| 2-2 | ic305-0.5 | 7w07978 | MS80966 | STD+NAP | A2045 | 40 | | | √ | √ | OK | |
| 2-2 | ic305-5 | 7w07979 | MS80966 | STD+NAP | A2045 | 400 | | | √ | √ | OK | |
| 2-3 | icc305-10 | 7w07980 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-3 | ic305-20 | 7w07981 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-3 | ic305-40 | 7w07982 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-3 | ic305-50 | 7w07983 | MS80966 | STD+NAP | A1805 | 400 | | | √ | √ | OK | |
| 2-5 | ib | 7w07984 | | | A2036 | 20 | | | | | - | |
| 2-5 | ib | 7w07985 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07986 | MS80966 | STD+NAP | A1795 | 100 | | | | | NOT USED | Wrong volume. |
| 2-5 | ib | 7w07987 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07988 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07989 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07990 | MS80966 | STD+NAP | A1795 | 80 | | | √ | √ | OK | ↑ Benzyl Chloride |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W387**
**Date: 11/18//2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10575 | | | a2039 | 20 | | | | | OK | t = 08:59 |
| C2 | cc305-10 | 7w10576 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑ |
| C2 | bs | 7w10577 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C2 | bsd | 7w10578 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C1 | ib | 7w10579 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10580 | | | a2039 | 400 | | + | √ | √ | OK | |
| C3 | je571-1 | 7w10581 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | RR | Bad purge |
| C4 | jd99820-1 | 7w10582 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C4 | jd99820-1dup | 7w10583 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C5 | je569-1 | 7w10584 | MS87221 | STD+, Nap | a473 | 400 | 1 | + | √ | √ | OK | |
| C6 | je569-3 | 7w10585 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | RR | Bad purge |
| C7 | je569-4 | 7w10586 | MS87221 | STD+, Nap | a1835 | 400 | 1 | + | √ | √ | OK | |
| C8 | je569-5 | 7w10587 | MS87221 | STD+, Nap | a1350 | 400 | 1 | + | √ | √ | OK | |
| C9 | je569-6 | 7w10588 | MS87221 | STD+, Nap | a1301 | 400 | 1 | + | √ | √ | OK | |
| D1 | je569-8 | 7w10589 | MS87221 | STD+, Nap | m226 | 400 | 1 | + | | | RR | 4-Bromofluorobenzene RT shift |
| D2 | je569-9 | 7w10590 | MS87221 | STD+, Nap | m118 | 400 | 1 | + | √ | √ | OK | |
| D3 | je603-1 | 7w10591 | MS87221 | STD+, Nap | a1645 | 400 | 1 | + | √ | √ | OK | |
| D4 | je603-2 | 7w10592 | MS87221 | STD+, Nap | a357 | 400 | 1 | + | √ | √ | OK | |
| C3 | je571-1 | 7w10593 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | OK | |
| A1 | jd435-1 | 7w10594 | MS87175 | STD, Nap | a1972 | 100 | 1 | | √ | √ | OK | |
| A2 | jd435-5 | 7w10595 | MS87175 | STD, Nap | a2269 | 100 | 1 | | √ | √ | OK | |
| A3 | jd435-6 | 7w10596 | MS87175 | STD, Nap | a2569 | 100 | 1 | | √ | √ | OK | |
| A4 | jd605-1 | 7w10597 | MS87221 | STD, Nap | a2586 | 100 | 1 | | √ | √ | OK | |
| A5 | jd605-2 | 7w10598 | MS87221 | STD, Nap | a2596 | 100 | 1 | | √ | √ | OK | |
| A6 | jd605-3 | 7w10599 | MS87221 | STD, Nap | a2271 | 100 | 1 | | √ | √ | OK | |
| A7 | jd99809-1 | 7w10600 | MS86930 | PAUGTMB, EDB, EDC | a1524 | 100 | 1 | | √ | √ | RR | ISTD/SURR RT shift |
| A8 | jd99809-2 | 7w10601 | MS86930 | PAUGTMB, EDB, EDC | a2305 | 100 | 1 | | √ | √ | OK | |
| A9 | jd99809-3 | 7w10602 | MS86930 | PAUGTMB, EDB, EDC | a2198 | 100 | 1 | | √ | √ | OK | |
| A10 | scc, cp12923 | 7w10603 | | | a2567 | 100 | | | √ | √ | OK | |
| B1 | scc, cp12924 | 7w10604 | | | a1450 | 100 | | | √ | √ | OK | |
| D5 | scc, cp12922 | 7w10605 | | | a779 | 400 | | | √ | √ | OK | |
| D6 | scc, cp12922 | 7w10606 | | | a1171 | 400 | | | √ | √ | OK | |
| D7 | scc, cp12922 | 7w10607 | | | m053 | 400 | | | √ | √ | OK | |
| C6 | je569-3 | 7w10608 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | OK | 6:51 |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W387**
**Date:** **11/18//2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*
*Automated Report*

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2487

Sampling Date: 12/10/24

Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **863**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.



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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

# Sample Summary

Groundwater & Environmental Services

**Job No:** JE2487

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the RL | | | | | | | |
| JE2487-1 | 12/10/24 | 17:11 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-5 |
| JE2487-2 | 12/10/24 | 17:18 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-5 |
| JE2487-3 | 12/10/24 | 17:25 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-6 |
| JE2487-4 | 12/10/24 | 17:30 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-6 |
| JE2487-5 | 12/10/24 | 17:11 | RB | 12/12/24 | AIR | Soil Vapor Comp. | DUP SS |
| JE2487-6 | 12/10/24 | 17:20 | RB | 12/12/24 | AIR | Indoor Air Comp. | DUP IA |

# CASE NARRATIVE / CONFORMANCE SUMMARY

| | | | |
|---|---|---|---|
| **Client:** | Groundwater & Environmental Services | **Job No:** | JE2487 |
| **Site:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | **Report Date** | 12/26/2024 5:20:37 A |

On 12/12/2024, 6 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE2487 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2132

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-4DUP were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of Hexachlorobutadiene, Methyl ethyl ketone, Tetrahydrofuran are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Freon 113, Naphthalene are outside control limits for sample JE2487-4DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2487-6 for Methyl ethyl ketone: Associated CCV outside of control limits high.
- JE2487-6 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND.
- JE2487-6 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND.
- JE2487-4 for Methyl Tert Butyl Ether: This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for 1,2-Dichloroethane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Methyl Tert Butyl Ether: This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for 1,2-Dichloroethane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-4 for Ethyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- V5W2132-BS for Tetrahydrofuran: Outside in house control limits.
- V5W2132-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2132-BS for Hexachlorobutadiene: Outside in house control limits.
- JE2487-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-2 for Ethyl Acetate: This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR **Batch ID:** V5W2133

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2488-2DUP were used as the QC samples indicated.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2133

- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-2, JE2487-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.

**Matrix:** AIR **Batch ID:** V5W2135

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2666-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-6 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of 1,2-Dichloroethane, Bromoform, Hexachlorobutadiene, Methyl Tert Butyl Ether, Tetrahydrofuran, Ethyl Acetate, Methyl ethyl ketone, Methylmethacrylate, Tertiary Butyl Alcohol, Vinyl Acetate are outside control limits.
- JE2487-5 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for 1,2-Dichloroethane: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methyl Tert Butyl Ether: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Tetrahydrofuran: High percent recovery and no associated positive reported in the QC batch.
- V5W2135-BS for Methylmethacrylate: Outside in house control limits.
- V5W2135-BS for Methyl ethyl ketone: Outside in house control limits.
- JE2487-5 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Ethyl Acetate: Outside in house control limits.
- JE2487-3 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- V5W2135-BS for Tertiary Butyl Alcohol: Outside in house control limits.
- JE2487-5 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methylmethacrylate: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Methylmethacrylate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2135

- JE2487-5 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-5 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methylmethacrylate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- V5W2135-BS for Vinyl Acetate: Outside in house control limits.
- JE2487-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JE2487-1 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for trans-1,3-Dichloropropene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methyl Tert Butyl Ether: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Tertiary Butyl Alcohol: This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Vinyl Acetate: This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND.
- JE2487-3 for 1,2-Dichloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-3 for Methyl ethyl ketone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2487-1 for Ethyl Acetate: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2487-1, JE2487-5 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2487-1** | **SS-5** | | | | | |
| Acetone (2-Propanone) | | 41.8 | 0.80 | | ppbv | TO-15 |
| Benzene | | 0.50 | 0.20 | | ppbv | TO-15 |
| Chloromethane | | 0.39 | 0.20 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.095 | 0.040 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.52 | 0.20 | | ppbv | TO-15 |
| cis-1,2-Dichloroethylene | | 0.15 | 0.040 | | ppbv | TO-15 |
| m-Dichlorobenzene | | 0.41 | 0.10 | | ppbv | TO-15 |
| Ethanol | | 299 E | 2.0 | | ppbv | TO-15 |
| Ethyl Acetate [a] | | 20.2 | 0.20 | | ppbv | TO-15 |
| Heptane [b] | | 0.34 | 0.20 | | ppbv | TO-15 |
| Hexane | | 1.1 | 0.20 | | ppbv | TO-15 |
| 2-Hexanone | | 0.24 | 0.20 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 71.3 | 0.80 | | ppbv | TO-15 |
| Methylene chloride | | 1.2 | 0.20 | | ppbv | TO-15 |
| Methyl ethyl ketone [a] | | 2.8 | 0.20 | | ppbv | TO-15 |
| Methyl Isobutyl Ketone | | 0.26 | 0.20 | | ppbv | TO-15 |
| Methylmethacrylate [a] | | 1.2 | 0.20 | | ppbv | TO-15 |
| 2,2,4-Trimethylpentane | | 0.20 | 0.20 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol [b] | | 4.5 | 0.20 | | ppbv | TO-15 |
| Tetrachloroethylene | | 1.8 | 0.040 | | ppbv | TO-15 |
| Toluene | | 0.88 | 0.20 | | ppbv | TO-15 |
| Trichloroethylene | | 4.2 | 0.040 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 3.0 | 0.10 | | ppbv | TO-15 |
| Vinyl Acetate [b] | | 2.2 | 0.20 | | ppbv | TO-15 |
| m,p-Xylene | | 0.36 | 0.20 | | ppbv | TO-15 |
| Xylenes (total) | | 0.51 | 0.20 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 99.3 | 1.9 | | ug/m3 | TO-15 |
| Benzene | | 1.6 | 0.64 | | ug/m3 | TO-15 |
| Chloromethane | | 0.81 | 0.41 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.60 | 0.25 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.6 | 0.99 | | ug/m3 | TO-15 |
| cis-1,2-Dichloroethylene | | 0.59 | 0.16 | | ug/m3 | TO-15 |
| m-Dichlorobenzene | | 2.5 | 0.60 | | ug/m3 | TO-15 |
| Ethanol | | 563 E | 3.8 | | ug/m3 | TO-15 |
| Ethyl Acetate [a] | | 72.7 | 0.72 | | ug/m3 | TO-15 |
| Heptane [b] | | 1.4 | 0.82 | | ug/m3 | TO-15 |
| Hexane | | 3.9 | 0.70 | | ug/m3 | TO-15 |
| 2-Hexanone | | 0.98 | 0.82 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 175 | 2.0 | | ug/m3 | TO-15 |
| Methylene chloride | | 4.2 | 0.69 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [a] | | 8.3 | 0.59 | | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone | | 1.1 | 0.82 | | ug/m3 | TO-15 |
| Methylmethacrylate [a] | | 4.9 | 0.82 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| 2,2,4-Trimethylpentane | | 0.93 | 0.93 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol [b] | | 14 | 0.61 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 12 | 0.27 | | ug/m3 | TO-15 |
| Toluene | | 3.3 | 0.75 | | ug/m3 | TO-15 |
| Trichloroethylene | | 23 | 0.21 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 17 | 0.56 | | ug/m3 | TO-15 |
| Vinyl Acetate [b] | | 7.7 | 0.70 | | ug/m3 | TO-15 |
| m,p-Xylene | | 1.6 | 0.87 | | ug/m3 | TO-15 |
| Xylenes (total) | | 2.2 | 0.87 | | ug/m3 | TO-15 |
| **JE2487-2** | **IA-5** | | | | | |
| Acetone (2-Propanone) | | 97.7 | 0.80 | | ppbv | TO-15 |
| Benzene | | 0.72 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.43 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.092 | 0.032 | | ppbv | TO-15 |
| Cyclohexane | | 0.18 | 0.16 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.50 | 0.16 | | ppbv | TO-15 |
| Ethanol | | 487 E | 2.0 | | ppbv | TO-15 |
| Ethylbenzene | | 0.20 | 0.16 | | ppbv | TO-15 |
| Ethyl Acetate [b] | | 7.2 | 0.16 | | ppbv | TO-15 |
| Freon 113 | | 0.083 | 0.080 | | ppbv | TO-15 |
| Heptane | | 0.43 | 0.16 | | ppbv | TO-15 |
| Hexane | | 0.87 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 27.8 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | | 0.61 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [a] | | 0.84 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | | 9.7 | 0.16 | | ppbv | TO-15 |
| Naphthalene | | 0.27 | 0.16 | | ppbv | TO-15 |
| 1,2,4-Trichlorobenzene | | 0.25 | 0.080 | | ppbv | TO-15 |
| 1,2,4-Trimethylbenzene | | 0.17 | 0.16 | | ppbv | TO-15 |
| 2,2,4-Trimethylpentane | | 0.36 | 0.16 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 0.95 | 0.16 | | ppbv | TO-15 |
| Tetrachloroethylene | | 0.046 | 0.032 | | ppbv | TO-15 |
| Toluene | | 1.1 | 0.16 | | ppbv | TO-15 |
| Trichloroethylene | | 0.055 | 0.032 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.39 | 0.080 | | ppbv | TO-15 |
| m,p-Xylene | | 0.51 | 0.16 | | ppbv | TO-15 |
| o-Xylene | | 0.19 | 0.16 | | ppbv | TO-15 |
| Xylenes (total) | | 0.70 | 0.16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 232 | 1.9 | | ug/m3 | TO-15 |
| Benzene | | 2.3 | 0.51 | | ug/m3 | TO-15 |
| Chloromethane | | 0.89 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.58 | 0.20 | | ug/m3 | TO-15 |
| Cyclohexane | | 0.62 | 0.55 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | | 2.5 | 0.79 | | ug/m3 | TO-15 |
| Ethanol | | 918 E | 3.8 | | ug/m3 | TO-15 |
| Ethylbenzene | | 0.87 | 0.69 | | ug/m3 | TO-15 |
| Ethyl Acetate [b] | | 26 | 0.58 | | ug/m3 | TO-15 |
| Freon 113 | | 0.64 | 0.61 | | ug/m3 | TO-15 |
| Heptane | | 1.8 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 3.1 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 68.3 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 2.1 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [a] | | 2.5 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 40 | 0.66 | | ug/m3 | TO-15 |
| Naphthalene | | 1.4 | 0.84 | | ug/m3 | TO-15 |
| 1,2,4-Trichlorobenzene | | 1.9 | 0.59 | | ug/m3 | TO-15 |
| 1,2,4-Trimethylbenzene | | 0.84 | 0.79 | | ug/m3 | TO-15 |
| 2,2,4-Trimethylpentane | | 1.7 | 0.75 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 2.9 | 0.49 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 0.31 | 0.22 | | ug/m3 | TO-15 |
| Toluene | | 4.1 | 0.60 | | ug/m3 | TO-15 |
| Trichloroethylene | | 0.30 | 0.17 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 2.2 | 0.45 | | ug/m3 | TO-15 |
| m,p-Xylene | | 2.2 | 0.69 | | ug/m3 | TO-15 |
| o-Xylene | | 0.83 | 0.69 | | ug/m3 | TO-15 |
| Xylenes (total) | | 3.0 | 0.69 | | ug/m3 | TO-15 |
| **JE2487-3** | **SS-6** | | | | | |
| Acetone (2-Propanone) | | 16.9 | 0.80 | | ppbv | TO-15 |
| Chloroform | | 2.1 | 0.80 | | ppbv | TO-15 |
| Ethanol | | 31.8 | 2.0 | | ppbv | TO-15 |
| Ethyl Acetate [a] | | 7.4 | 0.80 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 7.1 | 0.80 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol [b] | | 0.99 | 0.80 | | ppbv | TO-15 |
| Tetrachloroethylene | | 153 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 7.0 | 0.40 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 40.1 | 1.9 | | ug/m3 | TO-15 |
| Chloroform | | 10 | 3.9 | | ug/m3 | TO-15 |
| Ethanol | | 59.9 | 3.8 | | ug/m3 | TO-15 |
| Ethyl Acetate [a] | | 27 | 2.9 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 17 | 2.0 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol [b] | | 3.0 | 2.4 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 1040 | 1.1 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 39 | 2.2 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2487-4** | **IA-6** | | | | | |
| Acetone (2-Propanone) | | 553 | 4.0 | | ppbv | TO-15 |
| Benzene | | 0.70 | 0.16 | | ppbv | TO-15 |
| Bromodichloromethane | | 0.093 | 0.080 | | ppbv | TO-15 |
| Chloroform | | 0.79 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.44 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.12 | 0.032 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.50 | 0.16 | | ppbv | TO-15 |
| Ethanol | | 1040 E | 10 | | ppbv | TO-15 |
| Ethyl Acetate [b] | | 16.8 | 0.16 | | ppbv | TO-15 |
| Heptane | | 0.88 | 0.16 | | ppbv | TO-15 |
| Hexane | | 0.56 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 106 | 4.0 | | ppbv | TO-15 |
| Methylene chloride | | 0.44 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [a] | | 1.3 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | | 55.5 | 4.0 | | ppbv | TO-15 |
| 1,2,4-Trichlorobenzene | | 0.12 | 0.080 | | ppbv | TO-15 |
| 2,2,4-Trimethylpentane | | 0.24 | 0.16 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 0.80 | 0.16 | | ppbv | TO-15 |
| Tetrachloroethylene | | 0.11 | 0.032 | | ppbv | TO-15 |
| Toluene | | 1.1 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.47 | 0.080 | | ppbv | TO-15 |
| m,p-Xylene | | 0.35 | 0.16 | | ppbv | TO-15 |
| Xylenes (total) | | 0.49 | 0.16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 1310 | 9.5 | | ug/m3 | TO-15 |
| Benzene | | 2.2 | 0.51 | | ug/m3 | TO-15 |
| Bromodichloromethane | | 0.62 | 0.54 | | ug/m3 | TO-15 |
| Chloroform | | 3.9 | 0.78 | | ug/m3 | TO-15 |
| Chloromethane | | 0.91 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.75 | 0.20 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.5 | 0.79 | | ug/m3 | TO-15 |
| Ethanol | | 1960 E | 19 | | ug/m3 | TO-15 |
| Ethyl Acetate [b] | | 60.5 | 0.58 | | ug/m3 | TO-15 |
| Heptane | | 3.6 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 2.0 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 261 | 9.8 | | ug/m3 | TO-15 |
| Methylene chloride | | 1.5 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [a] | | 3.8 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 227 | 16 | | ug/m3 | TO-15 |
| 1,2,4-Trichlorobenzene | | 0.89 | 0.59 | | ug/m3 | TO-15 |
| 2,2,4-Trimethylpentane | | 1.1 | 0.75 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 2.4 | 0.49 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 0.75 | 0.22 | | ug/m3 | TO-15 |
| Toluene | | 4.1 | 0.60 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Trichlorofluoromethane | | 2.6 | 0.45 | | ug/m3 | TO-15 |
| m,p-Xylene | | 1.5 | 0.69 | | ug/m3 | TO-15 |
| Xylenes (total) | | 2.1 | 0.69 | | ug/m3 | TO-15 |
| **JE2487-5** | **DUP SS** | | | | | |
| Acetone (2-Propanone) | | 42.8 | 0.80 | | ppbv | TO-15 |
| Benzene | | 0.47 | 0.20 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.55 | 0.20 | | ppbv | TO-15 |
| trans-1,2-Dichloroethylene | | 0.20 | 0.20 | | ppbv | TO-15 |
| cis-1,2-Dichloroethylene | | 0.14 | 0.040 | | ppbv | TO-15 |
| m-Dichlorobenzene | | 0.45 | 0.10 | | ppbv | TO-15 |
| Ethanol | | 308 E | 2.0 | | ppbv | TO-15 |
| Ethyl Acetate [a] | | 3.2 | 0.20 | | ppbv | TO-15 |
| Heptane [b] | | 0.36 | 0.20 | | ppbv | TO-15 |
| Hexane | | 0.60 | 0.20 | | ppbv | TO-15 |
| 2-Hexanone | | 0.21 | 0.20 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 74.6 | 0.80 | | ppbv | TO-15 |
| Methylene chloride | | 0.60 | 0.20 | | ppbv | TO-15 |
| Methyl ethyl ketone [a] | | 2.8 | 0.20 | | ppbv | TO-15 |
| Methyl Isobutyl Ketone | | 0.22 | 0.20 | | ppbv | TO-15 |
| Methylmethacrylate [a] | | 1.3 | 0.20 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol [b] | | 4.9 | 0.20 | | ppbv | TO-15 |
| Tetrachloroethylene | | 1.8 | 0.040 | | ppbv | TO-15 |
| Toluene | | 0.66 | 0.20 | | ppbv | TO-15 |
| Trichloroethylene | | 4.5 | 0.040 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 3.0 | 0.10 | | ppbv | TO-15 |
| Vinyl Acetate [b] | | 1.0 | 0.20 | | ppbv | TO-15 |
| m,p-Xylene | | 0.30 | 0.20 | | ppbv | TO-15 |
| Xylenes (total) | | 0.42 | 0.20 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 102 | 1.9 | | ug/m3 | TO-15 |
| Benzene | | 1.5 | 0.64 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.7 | 0.99 | | ug/m3 | TO-15 |
| trans-1,2-Dichloroethylene | | 0.79 | 0.79 | | ug/m3 | TO-15 |
| cis-1,2-Dichloroethylene | | 0.56 | 0.16 | | ug/m3 | TO-15 |
| m-Dichlorobenzene | | 2.7 | 0.60 | | ug/m3 | TO-15 |
| Ethanol | | 580 E | 3.8 | | ug/m3 | TO-15 |
| Ethyl Acetate [a] | | 12 | 0.72 | | ug/m3 | TO-15 |
| Heptane [b] | | 1.5 | 0.82 | | ug/m3 | TO-15 |
| Hexane | | 2.1 | 0.70 | | ug/m3 | TO-15 |
| 2-Hexanone | | 0.86 | 0.82 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 183 | 2.0 | | ug/m3 | TO-15 |
| Methylene chloride | | 2.1 | 0.69 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [a] | | 8.3 | 0.59 | | ug/m3 | TO-15 |
| Methyl Isobutyl Ketone | | 0.90 | 0.82 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Client Sample ID / Analyte | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|
| Methylmethacrylate [a] | 5.3 | 0.82 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol [b] | 15 | 0.61 | | ug/m3 | TO-15 |
| Tetrachloroethylene | 12 | 0.27 | | ug/m3 | TO-15 |
| Toluene | 2.5 | 0.75 | | ug/m3 | TO-15 |
| Trichloroethylene | 24 | 0.21 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | 17 | 0.56 | | ug/m3 | TO-15 |
| Vinyl Acetate [b] | 3.5 | 0.70 | | ug/m3 | TO-15 |
| m,p-Xylene | 1.3 | 0.87 | | ug/m3 | TO-15 |
| Xylenes (total) | 1.8 | 0.87 | | ug/m3 | TO-15 |
| **JE2487-6 DUP IA** | | | | | |
| Acetone (2-Propanone) | 78.3 | 0.80 | | ppbv | TO-15 |
| Benzene | 0.71 | 0.16 | | ppbv | TO-15 |
| Chloromethane | 0.42 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | 0.095 | 0.032 | | ppbv | TO-15 |
| Cyclohexane | 0.18 | 0.16 | | ppbv | TO-15 |
| Dichlorodifluoromethane | 0.50 | 0.16 | | ppbv | TO-15 |
| Ethanol | 446 E | 2.0 | | ppbv | TO-15 |
| Ethylbenzene | 0.20 | 0.16 | | ppbv | TO-15 |
| Ethyl Acetate | 5.0 | 0.16 | | ppbv | TO-15 |
| Heptane | 0.44 | 0.16 | | ppbv | TO-15 |
| Hexane | 0.71 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | 28.6 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | 0.48 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [c] | 0.67 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | 11.5 | 0.16 | | ppbv | TO-15 |
| 1,2,4-Trimethylbenzene | 0.19 | 0.16 | | ppbv | TO-15 |
| 2,2,4-Trimethylpentane | 0.34 | 0.16 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | 0.58 | 0.16 | | ppbv | TO-15 |
| Tetrachloroethylene | 0.032 | 0.032 | | ppbv | TO-15 |
| Toluene | 1.0 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | 0.39 | 0.080 | | ppbv | TO-15 |
| m,p-Xylene | 0.53 | 0.16 | | ppbv | TO-15 |
| o-Xylene | 0.20 | 0.16 | | ppbv | TO-15 |
| Xylenes (total) | 0.73 | 0.16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | 186 | 1.9 | | ug/m3 | TO-15 |
| Benzene | 2.3 | 0.51 | | ug/m3 | TO-15 |
| Chloromethane | 0.87 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | 0.60 | 0.20 | | ug/m3 | TO-15 |
| Cyclohexane | 0.62 | 0.55 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | 2.5 | 0.79 | | ug/m3 | TO-15 |
| Ethanol | 840 E | 3.8 | | ug/m3 | TO-15 |
| Ethylbenzene | 0.87 | 0.69 | | ug/m3 | TO-15 |
| Ethyl Acetate | 18 | 0.58 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2487
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Heptane | | 1.8 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 2.5 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 70.3 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 1.7 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [c] | | 2.0 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 47.1 | 0.66 | | ug/m3 | TO-15 |
| 1,2,4-Trimethylbenzene | | 0.93 | 0.79 | | ug/m3 | TO-15 |
| 2,2,4-Trimethylpentane | | 1.6 | 0.75 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 1.8 | 0.49 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 0.22 | 0.22 | | ug/m3 | TO-15 |
| Toluene | | 3.8 | 0.60 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 2.2 | 0.45 | | ug/m3 | TO-15 |
| m,p-Xylene | | 2.3 | 0.69 | | ug/m3 | TO-15 |
| o-Xylene | | 0.87 | 0.69 | | ug/m3 | TO-15 |
| Xylenes (total) | | 3.2 | 0.69 | | ug/m3 | TO-15 |

(a) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high.

## Sample Results

Report of Analysis

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-5 | | |
| **Lab Sample ID:** | JE2487-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: M140 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55768.D | 1 | 12/20/24 04:13 | TCH | n/a | n/a | V5W2135 |
| Run #2 | 5W55827.D | 1 | 12/23/24 16:52 | TCH | n/a | n/a | V5W2138 |

| | Initial Volume |
|---|---|
| Run #1 | 400 ml |
| Run #2 | 100 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 41.8 [a] | 0.80 | ppbv | | 99.3 [a] | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.50 | 0.20 | ppbv | | 1.6 | 0.64 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.10 | ppbv | | ND | 0.67 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [b] | ND | 0.040 | ppbv | | ND | 0.41 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.39 | 0.20 | ppbv | | 0.81 | 0.41 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.095 | 0.040 | ppbv | | 0.60 | 0.25 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [b] | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.52 | 0.20 | ppbv | | 2.6 | 0.99 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.10 | ppbv | | ND | 0.85 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | 0.15 | 0.040 | ppbv | | 0.59 | 0.16 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | 0.41 | 0.10 | ppbv | | 2.5 | 0.60 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.040 | ppbv | | ND | 0.24 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.10 | ppbv | | ND | 0.60 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene [b] | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-5 | | |
| **Lab Sample ID:** | JE2487-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: M140 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 299 [a] | 2.0 | ppbv | E | 563 [a] | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [c] | 20.2 | 0.20 | ppbv | | 72.7 | 0.72 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.10 | ppbv | | ND | 0.70 | ug/m3 |
| 142-82-5 | 100.2 | Heptane [d] | 0.34 | 0.20 | ppbv | | 1.4 | 0.82 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [b] | ND | 0.090 | ppbv | | ND | 0.96 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 1.1 | 0.20 | ppbv | | 3.9 | 0.70 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | 0.24 | 0.20 | ppbv | | 0.98 | 0.82 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 71.3 [a] | 0.80 | ppbv | | 175 [a] | 2.0 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 1.2 | 0.20 | ppbv | | 4.2 | 0.69 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [c] | 2.8 | 0.20 | ppbv | | 8.3 | 0.59 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | 0.26 | 0.20 | ppbv | | 1.1 | 0.82 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [b] | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate [c] | 1.2 | 0.20 | ppbv | | 4.9 | 0.82 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.10 | ppbv | | ND | 0.69 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [e] | ND | 0.10 | ppbv | | ND | 0.74 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.20 | 0.20 | ppbv | | 0.93 | 0.93 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol [d] | 4.5 | 0.20 | ppbv | | 14 | 0.61 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 1.8 | 0.040 | ppbv | | 12 | 0.27 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [b] | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.88 | 0.20 | ppbv | | 3.3 | 0.75 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 4.2 | 0.040 | ppbv | | 23 | 0.21 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 3.0 | 0.10 | ppbv | | 17 | 0.56 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.040 | ppbv | | ND | 0.10 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [d] | 2.2 | 0.20 | ppbv | | 7.7 | 0.70 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.36 | 0.20 | ppbv | | 1.6 | 0.87 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.51 | 0.20 | ppbv | | 2.2 | 0.87 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-5 | | |
| **Lab Sample ID:** | JE2487-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: M140 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 124% | 111% | 65-128% |

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.
(e) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-5 | | |
| **Lab Sample ID:** | JE2487-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1678 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55673.D | 1 | 12/16/24 20:57 | TCH | n/a | n/a | V5W2132 |
| Run #2 | 5W55724.D | 1 | 12/18/24 14:59 | TCH | n/a | n/a | V5W2133 |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | 100 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 97.7 [a] | 0.80 | ppbv | | 232 [a] | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.72 | 0.16 | ppbv | | 2.3 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.16 | ppbv | | ND | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.43 | 0.16 | ppbv | | 0.89 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.092 | 0.032 | ppbv | | 0.58 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | 0.18 | 0.16 | ppbv | | 0.62 | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [b] | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.50 | 0.16 | ppbv | | 2.5 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





**Client Sample ID:** IA-5
**Lab Sample ID:** JE2487-2
**Matrix:** AIR - Indoor Air Comp. Summa ID: A1678
**Method:** TO-15
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Date Sampled:** 12/10/24
**Date Received:** 12/12/24
**Percent Solids:** n/a

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 487 [a] | 2.0 | ppbv | E | 918 [a] | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | 0.20 | 0.16 | ppbv | | 0.87 | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [b] | 7.2 | 0.16 | ppbv | | 26 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | 0.083 | 0.080 | ppbv | | 0.64 | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.43 | 0.16 | ppbv | | 1.8 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.87 | 0.16 | ppbv | | 3.1 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 27.8 | 0.16 | ppbv | | 68.3 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.61 | 0.16 | ppbv | | 2.1 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [d] | 0.84 | 0.16 | ppbv | | 2.5 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [b] | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 9.7 | 0.16 | ppbv | | 40 | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | 0.27 | 0.16 | ppbv | | 1.4 | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene | 0.25 | 0.080 | ppbv | | 1.9 | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | 0.17 | 0.16 | ppbv | | 0.84 | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.36 | 0.16 | ppbv | | 1.7 | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 0.95 | 0.16 | ppbv | | 2.9 | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 0.046 | 0.032 | ppbv | | 0.31 | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 1.1 | 0.16 | ppbv | | 4.1 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 0.055 | 0.032 | ppbv | | 0.30 | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.39 | 0.080 | ppbv | | 2.2 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.51 | 0.16 | ppbv | | 2.2 | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | 0.19 | 0.16 | ppbv | | 0.83 | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.70 | 0.16 | ppbv | | 3.0 | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-5 | | |
| **Lab Sample ID:** | JE2487-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1678 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 110% | 110% | 65-128% |

(a) Result is from Run# 2
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-6 | | |
| **Lab Sample ID:** | JE2487-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1737 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55769.D | 1 | 12/20/24 04:55 | TCH | n/a | n/a | V5W2135 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 100 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 16.9 | 0.80 | ppbv | | 40.1 | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.80 | ppbv | | ND | 1.8 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | ND | 0.80 | ppbv | | ND | 2.6 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.40 | ppbv | | ND | 2.7 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [a] | ND | 0.16 | ppbv | | ND | 1.7 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.80 | ppbv | | ND | 3.1 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.80 | ppbv | | ND | 4.1 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.80 | ppbv | | ND | 2.5 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.80 | ppbv | | ND | 2.1 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | 2.1 | 0.80 | ppbv | | 10 | 3.9 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.80 | ppbv | | ND | 1.7 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.80 | ppbv | | ND | 2.5 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.80 | ppbv | | ND | 4.1 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.16 | ppbv | | ND | 1.0 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.40 | ppbv | | ND | 3.1 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [a] | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.80 | ppbv | | ND | 2.9 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | ND | 0.80 | ppbv | | ND | 4.0 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.40 | ppbv | | ND | 3.4 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.80 | ppbv | | ND | 3.6 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.40 | ppbv | | ND | 2.4 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.16 | ppbv | | ND | 0.96 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.40 | ppbv | | ND | 2.4 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene [a] | ND | 0.80 | ppbv | | ND | 3.6 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-6 | | |
| **Lab Sample ID:** | JE2487-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1737 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 31.8 | 2.0 | ppbv | | 59.9 | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [b] | 7.4 | 0.80 | ppbv | | 27 | 2.9 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.40 | ppbv | | ND | 3.1 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.40 | ppbv | | ND | 2.8 | ug/m3 |
| 142-82-5 | 100.2 | Heptane [c] | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [a] | ND | 0.36 | ppbv | | ND | 3.8 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 7.1 | 0.80 | ppbv | | 17 | 2.0 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [a] | ND | 0.80 | ppbv | | ND | 2.4 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [a] | ND | 0.80 | ppbv | | ND | 2.9 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate [a] | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.80 | ppbv | | ND | 4.2 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 2.0 | ppbv | | ND | 3.4 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.80 | ppbv | | ND | 3.4 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.40 | ppbv | | ND | 2.2 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.40 | ppbv | | ND | 2.7 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.40 | ppbv | | ND | 2.2 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [d] | ND | 0.40 | ppbv | | ND | 3.0 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol [c] | 0.99 | 0.80 | ppbv | | 3.0 | 2.4 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 153 | 0.16 | ppbv | | 1040 | 1.1 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [a] | ND | 0.80 | ppbv | | ND | 2.4 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | ND | 0.80 | ppbv | | ND | 3.0 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.16 | ppbv | | ND | 0.86 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 7.0 | 0.40 | ppbv | | 39 | 2.2 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.16 | ppbv | | ND | 0.41 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [c] | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-6 | | |
| **Lab Sample ID:** | JE2487-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1737 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 110% | | 65-128% |

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(b) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





**Client Sample ID:** IA-6
**Lab Sample ID:** JE2487-4
**Matrix:** AIR - Indoor Air Comp. Summa ID: A1659
**Method:** TO-15
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Date Sampled:** 12/10/24
**Date Received:** 12/12/24
**Percent Solids:** n/a

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55674.D | 1 | 12/16/24 21:45 | TCH | n/a | n/a | V5W2132 |
| Run #2 | 5W55725.D | 1 | 12/18/24 15:40 | TCH | n/a | n/a | V5W2133 |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | 20.0 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 553 [a] | 4.0 | ppbv | | 1310 [a] | 9.5 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.70 | 0.16 | ppbv | | 2.2 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | 0.093 | 0.080 | ppbv | | 0.62 | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | 0.79 | 0.16 | ppbv | | 3.9 | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.44 | 0.16 | ppbv | | 0.91 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.12 | 0.032 | ppbv | | 0.75 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.16 | ppbv | | ND | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [b] | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.50 | 0.16 | ppbv | | 2.5 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-6 | | |
| **Lab Sample ID:** | JE2487-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1659 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 1040 [a] | 10 | ppbv | E | 1960 [a] | 19 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [b] | 16.8 | 0.16 | ppbv | | 60.5 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.88 | 0.16 | ppbv | | 3.6 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.56 | 0.16 | ppbv | | 2.0 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 106 [a] | 4.0 | ppbv | | 261 [a] | 9.8 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.44 | 0.16 | ppbv | | 1.5 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [d] | 1.3 | 0.16 | ppbv | | 3.8 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [b] | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 55.5 [a] | 4.0 | ppbv | | 227 [a] | 16 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene | 0.12 | 0.080 | ppbv | | 0.89 | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.24 | 0.16 | ppbv | | 1.1 | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 0.80 | 0.16 | ppbv | | 2.4 | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 0.11 | 0.032 | ppbv | | 0.75 | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 1.1 | 0.16 | ppbv | | 4.1 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.47 | 0.080 | ppbv | | 2.6 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.35 | 0.16 | ppbv | | 1.5 | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.49 | 0.16 | ppbv | | 2.1 | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-6 | | |
| **Lab Sample ID:** | JE2487-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1659 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 110% | 65-128% |

(a) Result is from Run# 2
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





**Client Sample ID:** DUP SS
**Lab Sample ID:** JE2487-5
**Matrix:** AIR - Soil Vapor Comp. Summa ID: A1597
**Method:** TO-15
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Date Sampled:** 12/10/24
**Date Received:** 12/12/24
**Percent Solids:** n/a

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55770.D | 1 | 12/20/24 05:43 | TCH | n/a | n/a | V5W2135 |
| Run #2 | 5W55828.D | 1 | 12/23/24 17:34 | TCH | n/a | n/a | V5W2138 |

| | Initial Volume |
|---|---|
| Run #1 | 400 ml |
| Run #2 | 100 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 42.8 [a] | 0.80 | ppbv | | 102 [a] | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.47 | 0.20 | ppbv | | 1.5 | 0.64 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.10 | ppbv | | ND | 0.67 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [b] | ND | 0.040 | ppbv | | ND | 0.41 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.040 | ppbv | | ND | 0.25 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane [b] | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.55 | 0.20 | ppbv | | 2.7 | 0.99 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.10 | ppbv | | ND | 0.85 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | 0.20 | 0.20 | ppbv | | 0.79 | 0.79 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | 0.14 | 0.040 | ppbv | | 0.56 | 0.16 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | 0.45 | 0.10 | ppbv | | 2.7 | 0.60 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.040 | ppbv | | ND | 0.24 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.10 | ppbv | | ND | 0.60 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene [b] | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP SS | | |
| **Lab Sample ID:** | JE2487-5 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1597 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 308 [a] | 2.0 | ppbv | E | 580 [a] | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [c] | 3.2 | 0.20 | ppbv | | 12 | 0.72 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.10 | ppbv | | ND | 0.70 | ug/m3 |
| 142-82-5 | 100.2 | Heptane [d] | 0.36 | 0.20 | ppbv | | 1.5 | 0.82 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [b] | ND | 0.090 | ppbv | | ND | 0.96 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.60 | 0.20 | ppbv | | 2.1 | 0.70 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | 0.21 | 0.20 | ppbv | | 0.86 | 0.82 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 74.6 [a] | 0.80 | ppbv | | 183 [a] | 2.0 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.60 | 0.20 | ppbv | | 2.1 | 0.69 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [c] | 2.8 | 0.20 | ppbv | | 8.3 | 0.59 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | 0.22 | 0.20 | ppbv | | 0.90 | 0.82 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether [b] | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate [c] | 1.3 | 0.20 | ppbv | | 5.3 | 0.82 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.10 | ppbv | | ND | 0.69 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [e] | ND | 0.10 | ppbv | | ND | 0.74 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol [d] | 4.9 | 0.20 | ppbv | | 15 | 0.61 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 1.8 | 0.040 | ppbv | | 12 | 0.27 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [b] | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.66 | 0.20 | ppbv | | 2.5 | 0.75 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 4.5 | 0.040 | ppbv | | 24 | 0.21 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 3.0 | 0.10 | ppbv | | 17 | 0.56 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.040 | ppbv | | ND | 0.10 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [d] | 1.0 | 0.20 | ppbv | | 3.5 | 0.70 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.30 | 0.20 | ppbv | | 1.3 | 0.87 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.42 | 0.20 | ppbv | | 1.8 | 0.87 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP SS | | |
| **Lab Sample ID:** | JE2487-5 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1597 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 120% | 109% | 65-128% |

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.
(e) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP IA | | |
| **Lab Sample ID:** | JE2487-6 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1284 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55676.D | 1 | 12/16/24 23:21 | TCH | n/a | n/a | V5W2132 |
| Run #2 | 5W55771.D | 1 | 12/20/24 06:26 | TCH | n/a | n/a | V5W2135 |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | 100 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 78.3 [a] | 0.80 | ppbv | | 186 [a] | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.71 | 0.16 | ppbv | | 2.3 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.16 | ppbv | | ND | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.42 | 0.16 | ppbv | | 0.87 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.095 | 0.032 | ppbv | | 0.60 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | 0.18 | 0.16 | ppbv | | 0.62 | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.50 | 0.16 | ppbv | | 2.5 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP IA | | |
| **Lab Sample ID:** | JE2487-6 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1284 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 446 [a] | 2.0 | ppbv | E | 840 [a] | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | 0.20 | 0.16 | ppbv | | 0.87 | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate | 5.0 | 0.16 | ppbv | | 18 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.44 | 0.16 | ppbv | | 1.8 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [b] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.71 | 0.16 | ppbv | | 2.5 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 28.6 | 0.16 | ppbv | | 70.3 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.48 | 0.16 | ppbv | | 1.7 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [c] | 0.67 | 0.16 | ppbv | | 2.0 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 11.5 | 0.16 | ppbv | | 47.1 | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | 0.19 | 0.16 | ppbv | | 0.93 | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.34 | 0.16 | ppbv | | 1.6 | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 0.58 | 0.16 | ppbv | | 1.8 | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 0.032 | 0.032 | ppbv | | 0.22 | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [b] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 1.0 | 0.16 | ppbv | | 3.8 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.39 | 0.080 | ppbv | | 2.2 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.53 | 0.16 | ppbv | | 2.3 | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | 0.20 | 0.16 | ppbv | | 0.87 | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.73 | 0.16 | ppbv | | 3.2 | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | DUP IA | | |
| **Lab Sample ID:** | JE2487-6 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1284 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 111% | 111% | 65-128% |

(a) Result is from Run# 2
(b) Associated CCV outside of control limits high, sample was ND.
(c) Associated CCV outside of control limits high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS ACCUTEST

# AIR CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

AIR JE 2487

FED-EX Tracking # | Bottle Order Control # MM-012624-115 | PAGE _1_ OF _1_
Lab Quote # | Lab Job #

## Client / Reporting Information

Company Name: Groundwater & Environmental Services
Address: 63 East Street, Suite 3
City: Pawling | State: NY | Zip: 12564
Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com
Phone #: 866-839-5195 | Fax #:
Sampler(s) Name(s): R. Brown

## Project Information

Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY
Street: 180 Glenida Avenue "ELECTRIC PARADISE TANNING"
City: Carmel | State: NY
Project #: 1192323-02-210 -111
Client Purchase Order #:
Invoice to GES, please reference Project #

## Weather Parameters

Temperature (Fahrenheit): Start: 40 Maximum: 41 | Stop 41 Minimum: 40
Atmoshpheric Pressure (inches of Hg): Start: 30.20 Maximum: 30.20 | Stop: 30.00 Minimum: 30.00
Other weather comment:

| Lab Sample # | Field ID / Point of Collection | Air Type: Indoor(I) Soil Vap(SV) Ambient(A) | Sampling Equipment Info: Canister Serial # | Canister Size 6L or 1L | Flow Controller Serial # | Start Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Stop Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Requested Analysis: VTO15NYSVLL | VTO15NYLL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-5 | SV | M140 | 6L | 1156 | 12/10/24 | 0922 | 29.0 | 75 | RB | 12/10/24 | 1711 | 5.0 | 75 | RB | X | |
| 2 | IA-5 | I | A1628 | 6L | 1371 | 12/10/24 | 0927 | 29.5 | 75 | RB | 12/10/24 | 1718 | 3.5 | 75 | RB | | X |
| 3 | SS-6 | SV | A1737 | 6L | 1378 | 12/10/24 | 0935 | 29.0 | 75 | RB | 12/10/24 | 1725 | 3.0 | 75 | RB | X | |
| 4 | IA-6 | I | A1659 | 6L | 1097 | 12/10/24 | 0936 | 29.0 | 75 | RB | 12/10/24 | 1730 | 5.5 | 75 | RB | | X |
| 5 | DUP SS | SV | A1587 | 6L | 1075 | 12/10/24 | 0922 | 29.5 | 75 | RB | 12/10/24 | 1711 | 5.0 | 75 | RB | X | |
| 10 | DUP IA | I | A1283 | 6L | 567 | 12/10/24 | 0908 | 730 | 75 | RB | 12/10/24 | 1720 | 6.0 | 75 | RB | | X |

## Turnaround Time ( Business days)

Standard - 15 Days: GES Std
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

## Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

## Comments / Remarks

VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient
NYCATB Report
Initial Assessment 3BHR
Label Verification

Sample Inventory is verified upon receipt in the Laboratory

## Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: |
|---|---|---|---|---|---|
| 1 RBrown | 12/10/24 1630 | 1 FEDEX 12/ /24 | 2 | 12/11/2024 0830 | 2 FEDEX |
| 3 ~~FEDEX~~ | 12/12/24 1100 | 3 | 4 | | 4 |
| 5 | | 5 | Custody Seal # | | |

5.1 5

JE2487: Chain of Custody
Page 1 of 2

# SGS Sample Receipt Summary

**Job Number:** JE2487 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

**Date / Time Received:** 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

| **Cooler Security** | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| **Cooler Temperature** | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☐ | | ☐ |
| 2. Cooler temp verification: | N/A | | |
| 3. Cooler media: | N/A | | |
| 4. No. Coolers: | N/A | | |

| **Quality Control Preservation** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☑ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☑ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| **Sample Integrity - Documentation** | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| **Sample Integrity - Condition** | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| **Sample Integrity - Instructions** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

**JE2487: Chain of Custody**
**Page 2 of 2**

# Summa Canister and Flow Controller Log



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24



**SUMMA CANISTERS**

| Shipping | | | | | | | Receiving | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Summa ID | L | Vac " Hg | Date Out | By | SCC Batch | SCC FileID | Sample Number | Date In | By | Vac " Hg | Pres psig | Final psig | Dil Fact |
| M140 | 6 | 29.5 | 12/03/24 | JT | CP12875 | 3W88854.D | JE2487-1 | 12/12/24 | RC | 5 | | | 1 |
| A1678 | 6 | 30 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2487-2 | 12/12/24 | RC | 4.5 | | | 1 |
| A1737 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2487-3 | 12/12/24 | RC | 4.5 | | | 1 |
| A1659 | 6 | 30 | 12/03/24 | JT | CP12922 | 7W10671.D | JE2487-4 | 12/12/24 | RC | 5.5 | | | 1 |
| A1597 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2487-5 | 12/12/24 | RC | 5.5 | | | 1 |
| A1284 | 6 | 30 | 12/03/24 | JT | CP12909 | 7W10344.D | JE2487-6 | 12/12/24 | RC | 6 | | | 1 |

**FLOW CONTROLLERS / OTHER**

| Shipping | | | | | Receiving | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Flow Crtl ID | Date Out | By | cc/ min | Time hrs. | Date In | By | cc/ min | Flow RPD | Equipment Type |
| FC567 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.6 | 0.9 | Flow Controller |
| FC1079 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.7 | 2.8 | Flow Controller |
| FC1097 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.8 | 2.8 | Flow Controller |
| FC1156 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.5 | 1 | Flow Controller |
| FC1371 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.5 | 1 | Flow Controller |
| FC1378 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.8 | 3.8 | Flow Controller |

**SGS Bottle Order(s):**
MM-112524-154

| Prep Date | Room Temp(F) | Bar Pres "Hg |
|---|---|---|
| 12/03/24 | 70 | 29.92 |

# Internal Sample Tracking Chronicle

Groundwater & Environmental Services

**Job No:** JE2487

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| JE2487-1 SS-5 | Collected: 10-DEC-24 17:11 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-1 | TO-15 | 20-DEC-24 04:13 | TCH | | | VTO15NYSVLL |
| JE2487-1 | TO-15 | 23-DEC-24 16:52 | TCH | | | VTO15NYSVLL |
| JE2487-2 IA-5 | Collected: 10-DEC-24 17:18 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-2 | TO-15 | 16-DEC-24 20:57 | TCH | | | VTO15NYLL |
| JE2487-2 | TO-15 | 18-DEC-24 14:59 | TCH | | | VTO15NYLL |
| JE2487-3 SS-6 | Collected: 10-DEC-24 17:25 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-3 | TO-15 | 20-DEC-24 04:55 | TCH | | | VTO15NYSVLL |
| JE2487-4 IA-6 | Collected: 10-DEC-24 17:30 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-4 | TO-15 | 16-DEC-24 21:45 | TCH | | | VTO15NYLL |
| JE2487-4 | TO-15 | 18-DEC-24 15:40 | TCH | | | VTO15NYLL |
| JE2487-5 DUP SS | Collected: 10-DEC-24 17:11 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-5 | TO-15 | 20-DEC-24 05:43 | TCH | | | VTO15NYSVLL |
| JE2487-5 | TO-15 | 23-DEC-24 17:34 | TCH | | | VTO15NYSVLL |
| JE2487-6 DUP IA | Collected: 10-DEC-24 17:20 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2487-6 | TO-15 | 16-DEC-24 23:21 | TCH | | | VTO15NYLL |
| JE2487-6 | TO-15 | 20-DEC-24 06:26 | TCH | | | VTO15NYLL |

# SGS Internal Chain of Custody



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24

| Sample.Bottle Number | Transfer FROM | Transfer TO | Date/Time | Reason |
|---|---|---|---|---|
| JE2487-1.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-1.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-2.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-2.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-3.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-3.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-4.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-4.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-5.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-5.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-6.1 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |
| JE2487-6.2 | Seamus D'angiolillo | Air Storage | 12/12/24 19:57 | Return to Storage |

## MS Volatiles

6

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-MB | 5W55670.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-MB | 5W55670.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 65-128% |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-MB | 5W55670.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:**

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-MB | 5W55706.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 110% | 65-128% |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-MB | 5W55756.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-MB | 5W55823.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-5

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 65-128% |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-MB | 3W88783.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-MB | 3W88783.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-MB | 3W88783.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 96% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 3.83 | 54 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-MB | 7W10303.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 7.4 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 88% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 7.3 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-BS | 5W55665.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| V5W2132-BSD | 5W55666.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | 10.8 | 9.6 | 89 | 9.7 | 90 | 1 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 12.3 | 112 | 12.4 | 113 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 12.5 | 119 | 12.7 | 121 | 2 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 13.4 | 125 | 13.5 | 126 | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.9 | 94 | 9.9 | 94 | 0 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.2 | 96 | 10.2 | 96 | 0 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 10.5 | 101 | 10.7 | 103 | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 12.7 | 120 | 12.8 | 121 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 9.1 | 84 | 9.2 | 85 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.4 | 100 | 10.5 | 101 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 12.6 | 117 | 13.1 | 121 | 4 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 9.0 | 87 | 9.3 | 89 | 3 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 12.9 | 123 | 13.3 | 127 | 3 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 9.2 | 89 | 9.2 | 89 | 0 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.0 | 111 | 12.4 | 115 | 3 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 12.9 | 118 | 13.0 | 119 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.4 | 116 | 12.6 | 118 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 11.8 | 110 | 12.0 | 112 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 10.1 | 92 | 10.3 | 94 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 14.1 | 129 | 14.5 | 133* [a] | 3 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.1 | 106 | 11.3 | 108 | 2 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.8 | 112 | 12.0 | 114 | 2 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 12.9 | 122 | 12.5 | 118 | 3 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.1 | 96 | 10.2 | 97 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.5 | 110 | 11.6 | 110 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.8 | 110 | 12.0 | 112 | 2 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 13.1 | 122 | 13.4 | 125 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 9.6 | 92 | 9.9 | 95 | 3 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 9.7 | 91 | 9.8 | 92 | 1 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.1 | 93 | 10.2 | 94 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 13.2 | 129 | 13.3 | 130 | 1 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 11.2 | 102 | 11.3 | 103 | 1 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 14.0 | 130 | 14.3 | 132* [b] | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.6 | 97 | 10.9 | 100 | 3 | 70-130/30 |
| 76-13-1 | Freon 113 | 10.6 | 12.3 | 116 | 12.4 | 117 | 1 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.9 | 108 | 11.9 | 108 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-BS | 5W55665.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| V5W2132-BSD | 5W55666.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 142-82-5 | Heptane | 11 | 12.7 | 115 | 13.1 | 119 | 3 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 15.3 | 142* [b] | 17.0 | 157* [b] | 11 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 12.1 | 112 | 12.3 | 114 | 2 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 12.0 | 113 | 12.2 | 115 | 2 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 11.7 | 110 | 11.8 | 111 | 1 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.2 | 107 | 11.4 | 109 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 14.5 | 134* [b] | 15.0 | 139* [b] | 3 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 12.7 | 118 | 13.1 | 121 | 3 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 13.8 | 128 | 14.1 | 131* [a] | 2 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 13.8 | 127 | 13.9 | 128 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.2 | 84 | 9.8 | 90 | 6 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.0 | 110 | 11.7 | 107 | 3 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 10.9 | 99 | 11.2 | 102 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.6 | 117 | 13.0 | 120 | 3 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.6 | 97 | 10.9 | 100 | 3 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.6 | 108 | 11.8 | 110 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 11.8 | 108 | 13.0 | 119 | 10 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.8 | 98 | 11.1 | 101 | 3 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.4 | 95 | 10.7 | 98 | 3 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.0 | 111 | 12.2 | 113 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 12.7 | 128 | 12.9 | 130 | 2 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 10.8 | 99 | 10.9 | 100 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 14.0 | 133* [b] | 14.5 | 138* [b] | 4 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.6 | 109 | 11.8 | 111 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 11.2 | 107 | 11.3 | 108 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 12.1 | 114 | 11.8 | 111 | 3 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.5 | 102 | 10.5 | 102 | 0 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 13.0 | 125 | 13.0 | 125 | 0 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.1 | 94 | 20.4 | 95 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.2 | 94 | 10.4 | 95 | 2 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 30.3 | 94 | 30.8 | 95 | 2 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 100% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-BS | 5W55665.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| V5W2132-BSD | 5W55666.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-BS | 5W55701.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |
| V5W2133-BSD | 5W55703.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 7.4 | 72 | 7.4 | 72 | 0 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 9.5 | 93 | 9.6 | 94 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 11.8 | 111 | 11.2 | 106 | 5 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 13.3 | 122 | 13.7 | 126 | 3 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 100% | 99% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 7.8 | 76 | 8.2 | 80 | 5 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.1 | 94 | 10.5 | 97 | 4 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 12.7 | 115 | 12.8 | 116 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 12.7 | 121 | 12.9 | 123 | 2 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 15.3 | 143* [a] | 15.2 | 142* [a] | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10 | 95 | 10.1 | 96 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.0 | 104 | 10.8 | 102 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.5 | 111 | 11.4 | 110 | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 13.3 | 125 | 13.3 | 125 | 0 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.3 | 95 | 10.3 | 95 | 0 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.1 | 97 | 10.3 | 99 | 2 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 13.2 | 122 | 13.4 | 124 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.3 | 99 | 10.8 | 104 | 5 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 13.5 | 129 | 13.4 | 128 | 1 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.4 | 101 | 10.2 | 99 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.8 | 119 | 13.0 | 120 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 13.2 | 121 | 13.1 | 120 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.9 | 121 | 13.0 | 121 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 12.1 | 113 | 12.3 | 115 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 14.4 | 132* [a] | 14.7 | 135* [a] | 2 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 12.3 | 117 | 12.3 | 117 | 0 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 12.6 | 119 | 12.6 | 119 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.3 | 108 | 11.3 | 108 | 0 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 12.0 | 114 | 11.9 | 113 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 12.3 | 115 | 12.5 | 117 | 2 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 13.5 | 126 | 13.6 | 127 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.2 | 108 | 11.1 | 107 | 1 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.1 | 104 | 10.8 | 101 | 3 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.6 | 106 | 11.3 | 104 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 13.3 | 130 | 13.5 | 132* [a] | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 9.9 | 97 | 10.2 | 100 | 3 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 12.3 | 112 | 12.2 | 111 | 1 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 15.1 | 140* [b] | 15.2 | 141* [b] | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.0 | 110 | 12.0 | 110 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 13.4 | 126 | 13.2 | 125 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.8 | 107 | 11.9 | 108 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 14.2 | 129 | 14.4 | 131* [b] | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 16.1 | 149* [a] | 15.7 | 145* [a] | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 13.4 | 124 | 13.6 | 126 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 13.7 | 129 | 13.7 | 129 | 0 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 13.0 | 123 | 13.0 | 123 | 0 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.6 | 110 | 11.7 | 111 | 1 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 15.4 | 143* [b] | 15.6 | 144* [b] | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 13.6 | 126 | 13.8 | 128 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 14.2 | 131* [a] | 14.3 | 132* [a] | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 14.3 | 131* [b] | 14.4 | 132* [b] | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 10.7 | 98 | 10.3 | 94 | 4 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.8 | 117 | 13.2 | 121 | 3 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 12.5 | 114 | 12.4 | 113 | 1 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.8 | 119 | 13.1 | 121 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.8 | 108 | 11.8 | 108 | 0 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 12.0 | 112 | 12.2 | 114 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 14.2 | 130 | 13.5 | 124 | 5 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.3 | 112 | 12.1 | 110 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 11.7 | 107 | 11.6 | 106 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.9 | 119 | 13.1 | 121 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 13.0 | 131* [b] | 13.2 | 133* [b] | 2 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 12.4 | 114 | 12.1 | 111 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 14.6 | 139* [a] | 14.9 | 142* [a] | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.9 | 112 | 12.0 | 113 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 11.4 | 109 | 11.5 | 110 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 12.7 | 120 | 12.6 | 119 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.5 | 102 | 10.7 | 104 | 2 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 13.9 | 134* [b] | 13.8 | 133* [b] | 1 | 70-130/30 |
| | m,p-Xylene | 21.4 | 22.8 | 107 | 22.6 | 106 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.6 | 106 | 11.5 | 106 | 1 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 34.4 | 107 | 34.1 | 106 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2135-BS | 5W55753.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |
| V5W2135-BSD | 5W55754.D | 1 | 12/19/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 99% | 97% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-BS | 5W55820.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| V5W2138-BSD | 5W55821.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-5

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 8.3 | 81 | 8.5 | 83 | 2 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.7 | 105 | 11.3 | 111 | 5 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 10.4 | 98 | 10.8 | 102 | 4 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 101% | 100% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-BS | 3W88780.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |
| V3W3503-BSD | 3W88781.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 8.4 | 82 | 8.2 | 80 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.3 | 95 | 10.2 | 94 | 1 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.6 | 105 | 11.4 | 104 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 10.3 | 98 | 10.4 | 99 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 10.3 | 96 | 10.2 | 95 | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.6 | 91 | 9.4 | 90 | 2 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.7 | 101 | 10.7 | 101 | 0 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 12.1 | 116 | 12.1 | 116 | 0 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 11.9 | 112 | 11.6 | 109 | 3 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 11.9 | 110 | 11.8 | 109 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.2 | 108 | 11.1 | 107 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 10.8 | 100 | 10.8 | 100 | 0 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.3 | 99 | 10.2 | 98 | 1 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 15.3 | 146* [a] | 15.0 | 143* [a] | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 12.1 | 117 | 12.1 | 117 | 0 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 10.6 | 98 | 10.6 | 98 | 0 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 12.1 | 111 | 12.0 | 110 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 11.0 | 103 | 10.8 | 101 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 13.2 | 123 | 13.1 | 122 | 1 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 12.1 | 110 | 12.0 | 109 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 10.8 | 103 | 10.7 | 102 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.2 | 107 | 11.3 | 108 | 1 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 11.1 | 105 | 11.1 | 105 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.0 | 105 | 11.1 | 106 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.2 | 107 | 11.1 | 106 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.5 | 107 | 11.5 | 107 | 0 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 11.6 | 108 | 11.7 | 109 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.1 | 107 | 11.2 | 108 | 1 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.5 | 107 | 11.6 | 108 | 1 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.7 | 107 | 11.7 | 107 | 0 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 10.9 | 107 | 10.9 | 107 | 0 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.5 | 103 | 10.1 | 99 | 4 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 12.3 | 112 | 12.1 | 110 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 12.8 | 119 | 12.6 | 117 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.9 | 118 | 13.0 | 119 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-BS | 3W88780.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |
| V3W3503-BSD | 3W88781.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |



**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 11.4 | 108 | 11.4 | 108 | 0 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.4 | 104 | 11.3 | 103 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 12.7 | 118 | 12.9 | 119 | 2 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 10.1 | 94 | 10 | 93 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 11.9 | 112 | 11.7 | 110 | 2 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 10.8 | 102 | 10.5 | 99 | 3 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.7 | 111 | 11.4 | 109 | 3 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.7 | 118 | 12.5 | 116 | 2 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 10.8 | 100 | 10.8 | 100 | 0 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.2 | 104 | 11.2 | 104 | 0 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 12.0 | 110 | 12.0 | 110 | 0 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 13.1 | 120 | 13.2 | 121 | 1 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 11.4 | 105 | 11.2 | 103 | 2 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 13.0 | 118 | 12.8 | 116 | 2 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 10.5 | 97 | 10.6 | 98 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.7 | 107 | 11.6 | 106 | 1 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 10.9 | 102 | 11.0 | 103 | 1 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 13.0 | 119 | 12.9 | 118 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.5 | 114 | 12.4 | 113 | 1 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 12.6 | 116 | 12.6 | 116 | 0 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.0 | 102 | 11.0 | 102 | 0 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 11.1 | 112 | 11.1 | 112 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.9 | 109 | 11.9 | 109 | 0 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.2 | 116 | 12.0 | 114 | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.0 | 104 | 10.9 | 103 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.9 | 104 | 10.9 | 104 | 0 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 9.4 | 89 | 9.4 | 89 | 0 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.6 | 103 | 10.3 | 100 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.9 | 114 | 11.7 | 113 | 2 | 70-130/30 |
| | m,p-Xylene | 21.4 | 23.9 | 112 | 23.8 | 111 | 0 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 12.2 | 112 | 12.2 | 112 | 0 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 36.1 | 112 | 36.1 | 112 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-BS | 3W88780.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |
| V3W3503-BSD | 3W88781.D | 1 | 09/19/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V3W3503-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 95% | 94% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 10.2 | 99 | 10.2 | 99 | 0 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 11.2 | 104 | 11.1 | 103 | 1 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.9 | 108 | 11.8 | 107 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.3 | 108 | 11.2 | 107 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.8 | 110 | 11.8 | 110 | 0 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.9 | 94 | 9.6 | 91 | 3 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.5 | 99 | 10.2 | 96 | 3 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.0 | 192* [a] | 20.2 | 194* [a] | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.4 | 89 | 9.3 | 88 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.4 | 96 | 10.4 | 96 | 0 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.0 | 106 | 10.9 | 105 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.0 | 102 | 10.9 | 101 | 1 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 9.9 | 95 | 9.6 | 92 | 3 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.2 | 88 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.1 | 98 | 10 | 97 | 1 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.2 | 113 | 12.0 | 111 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.9 | 109 | 11.8 | 108 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.9 | 121 | 12.8 | 120 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.0 | 93 | 9.9 | 93 | 1 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.8 | 107 | 11.8 | 107 | 0 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 11.1 | 102 | 10.9 | 100 | 2 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 12.6 | 120 | 12.5 | 119 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.4 | 109 | 11.2 | 107 | 2 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.6 | 100 | 10.4 | 98 | 2 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.6 | 110 | 11.5 | 110 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.3 | 108 | 11.2 | 107 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.5 | 107 | 11.5 | 107 | 0 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 13.0 | 121 | 12.8 | 120 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.2 | 98 | 10.2 | 98 | 0 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10 | 93 | 10.1 | 94 | 1 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.9 | 126 | 12.8 | 125 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.1 | 99 | 9.9 | 97 | 2 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.6 | 96 | 10.6 | 96 | 0 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 12.6 | 117 | 12.3 | 114 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.9 | 100 | 10.9 | 100 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 9.3 | 88 | 9.3 | 88 | 0 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.5 | 95 | 10.4 | 95 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 12.3 | 112 | 12.1 | 110 | 2 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.7 | 99 | 10.7 | 99 | 0 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 10.6 | 100 | 10.5 | 99 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 10.3 | 97 | 9.9 | 93 | 4 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 8.9 | 85 | 8.7 | 83 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.4 | 115 | 12.4 | 115 | 0 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 11.4 | 106 | 11.3 | 105 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.2 | 113 | 0 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 12.5 | 115 | 12.3 | 113 | 2 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.1 | 83 | 9.1 | 83 | 0 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 13.9 | 128 | 13.8 | 127 | 1 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.2 | 102 | 11.2 | 102 | 0 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.6 | 107 | 11.5 | 106 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.8 | 110 | 11.6 | 108 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.1 | 93 | 10.2 | 94 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.2 | 93 | 10.4 | 95 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.5 | 116 | 12.3 | 114 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 9.5 | 96 | 9.5 | 96 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.1 | 102 | 11.1 | 102 | 0 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.3 | 117 | 12.2 | 116 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.0 | 104 | 10.9 | 103 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.9 | 104 | 10.8 | 103 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 9.7 | 92 | 9.5 | 90 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.9 | 106 | 10.7 | 104 | 2 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.1 | 116 | 12.0 | 115 | 1 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.6 | 96 | 20.5 | 96 | 0 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.4 | 95 | 10.4 | 95 | 0 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 31.0 | 96 | 30.9 | 96 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-BS | 7W10300.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |
| V7W379-BSD | 7W10301.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W379-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 96% | 96% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.6 | 93 | 9.8 | 95 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.3 | 95 | 9.7 | 90 | 6 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 11.1 | 106 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 12.2 | 114 | 13.1 | 122 | 7 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.2 | 97 | 10.3 | 98 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.4 | 108 | 11.4 | 108 | 0 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.7 | 199* [a] | 21.0 | 202* [a] | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.6 | 91 | 9.5 | 90 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.2 | 94 | 10.5 | 97 | 3 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.6 | 102 | 10.7 | 103 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 10.8 | 100 | 10.9 | 101 | 1 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 8.7 | 84 | 8.0 | 77 | 8 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.6 | 91 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10 | 97 | 10.5 | 102 | 5 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.4 | 115 | 12.4 | 115 | 0 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.4 | 105 | 11.5 | 106 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.5 | 117 | 12.5 | 117 | 0 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.6 | 105 | 11.7 | 106 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 10.6 | 97 | 10.6 | 97 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 12.1 | 115 | 12.0 | 114 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10.6 | 101 | 10.6 | 101 | 0 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.6 | 100 | 10.6 | 100 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.7 | 111 | 11.7 | 111 | 0 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.4 | 107 | 11.5 | 107 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.5 | 117 | 12.6 | 118 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.3 | 99 | 11.1 | 107 | 7 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.2 | 95 | 11.1 | 104 | 8 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.5 | 96 | 11.2 | 103 | 6 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.7 | 125 | 12.8 | 125 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 8.9 | 87 | 8.5 | 83 | 5 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.3 | 94 | 10.5 | 95 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.5 | 96 | 11.0 | 101 | 5 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 11.1 | 105 | 10.9 | 103 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.6 | 96 | 10.8 | 98 | 2 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 11.2 | 102 | 11.3 | 103 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.9 | 101 | 11.2 | 104 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.4 | 106 | 11.4 | 106 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.9 | 93 | 10.0 | 94 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 8.8 | 83 | 8.6 | 81 | 2 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 9.1 | 87 | 9.1 | 87 | 0 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.2 | 113 | 12.1 | 112 | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 10.8 | 100 | 10.8 | 100 | 0 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.3 | 114 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.8 | 108 | 11.9 | 109 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 8.9 | 82 | 9.2 | 84 | 3 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 13.4 | 123 | 11.8 | 108 | 13 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 10.9 | 99 | 11.3 | 103 | 4 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.8 | 109 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.5 | 96 | 10.7 | 98 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.3 | 106 | 11.3 | 106 | 0 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.1 | 93 | 10.4 | 95 | 3 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.1 | 92 | 10.5 | 95 | 4 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.3 | 94 | 10.6 | 97 | 3 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 9.1 | 92 | 9.1 | 92 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.5 | 106 | 11.7 | 107 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.1 | 115 | 12.2 | 116 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 10.6 | 100 | 10.7 | 101 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.6 | 101 | 10.7 | 102 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10 | 94 | 9.9 | 93 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.4 | 101 | 10.1 | 98 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.1 | 116 | 11.9 | 114 | 2 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.0 | 93 | 20.6 | 96 | 3 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.0 | 92 | 10.3 | 94 | 3 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 30.0 | 93 | 30.9 | 96 | 3 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 94% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.8 | 95 | 9.4 | 91 | 4 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 11.3 | 105 | 10.7 | 99 | 5 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.1 | 101 | 10.9 | 99 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 10.6 | 101 | 4 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.9 | 111 | 11.4 | 107 | 4 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.5 | 100 | 10.3 | 98 | 2 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.9 | 103 | 10.7 | 101 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 21.7 | 209* [a] | 21.2 | 204* [a] | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 11.0 | 104 | 10.7 | 101 | 3 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.8 | 100 | 10.7 | 99 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.1 | 107 | 10.6 | 102 | 5 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.2 | 104 | 10.9 | 101 | 3 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.4 | 100 | 9.8 | 94 | 6 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.7 | 104 | 10.5 | 102 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.0 | 111 | 11.6 | 107 | 3 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.0 | 101 | 10.8 | 99 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.3 | 115 | 12.0 | 112 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.6 | 99 | 10.8 | 101 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.4 | 104 | 11.2 | 102 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.0 | 105 | 10.8 | 103 | 2 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10 | 95 | 10.4 | 99 | 4 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.8 | 102 | 10.6 | 100 | 2 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.7 | 102 | 10.6 | 101 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.3 | 106 | 11.2 | 105 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.0 | 112 | 11.8 | 110 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.8 | 104 | 10.6 | 102 | 2 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.3 | 121 | 12.0 | 118 | 2 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.1 | 99 | 9.5 | 93 | 6 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.6 | 96 | 10.3 | 94 | 3 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.5 | 106 | 11.4 | 106 | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 9.8 | 92 | 9.6 | 91 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.6 | 105 | 11.5 | 105 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 10 | 91 | 9.9 | 90 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 11.8 | 109 | 11.5 | 106 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 10.7 | 99 | 10.6 | 98 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.0 | 85 | 9.0 | 85 | 0 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 9.6 | 91 | 9.3 | 88 | 3 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.0 | 95 | 9.8 | 93 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 11.7 | 108 | 11.4 | 106 | 3 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 9.9 | 92 | 9.8 | 91 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.8 | 109 | 11.7 | 108 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.1 | 102 | 10.9 | 100 | 2 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.7 | 89 | 9.6 | 88 | 1 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 11.6 | 106 | 11.1 | 102 | 4 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.2 | 102 | 10.9 | 99 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.5 | 106 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.6 | 106 | 11.4 | 105 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.0 | 103 | 10.8 | 101 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.8 | 98 | 10.7 | 97 | 1 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.7 | 98 | 10.6 | 97 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 10.6 | 98 | 10.5 | 97 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 10.6 | 107 | 10.5 | 106 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 11.5 | 110 | 11.5 | 110 | 0 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 9.9 | 93 | 9.7 | 92 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.3 | 98 | 10.0 | 95 | 3 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10.1 | 95 | 9.9 | 93 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 11.5 | 112 | 11.2 | 109 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.8 | 113 | 11.1 | 107 | 6 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.6 | 96 | 20.1 | 94 | 2 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.5 | 96 | 10.3 | 94 | 2 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 31.1 | 96 | 30.4 | 94 | 2 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 99% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2487-4DUP | 5W55675.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| JE2487-4 | 5W55674.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | JE2487-4 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | 0.70 | | 0.69 | | 1 | 25 |
| 75-27-4 | Bromodichloromethane | 0.093 | | 0.096 | J | 3 | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | 0.79 | | 0.79 | | 0 | 25 |
| 74-87-3 | Chloromethane | 0.44 | | 0.45 | | 2 | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | 0.12 | | 0.11 | J | 9 | 25 |
| 110-82-7 | Cyclohexane | 0.14 | | 0.13 | J | 7 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | | 0.51 | | 2 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | ND | | ND | | nc | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 100-41-4 | Ethylbenzene | 0.15 | | 0.15 | J | 0 | 25 |
| 141-78-6 | Ethyl Acetate | 16.8 | | 16.5 | | 2 | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |
| 76-13-1 | Freon 113 | ND | | 0.078 | J | 200* [a] | 25 |
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2487-4DUP | 5W55675.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| JE2487-4 | 5W55674.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

| CAS No. | Compound | JE2487-4 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 142-82-5 | Heptane | 0.88 | | 0.76 | | 15 | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 0.56 | | 0.55 | | 2 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | 77.6 | E | 77.1 | E | 1 | 25 |
| 75-09-2 | Methylene chloride | 0.44 | | 0.42 | | 5 | 25 |
| 78-93-3 | Methyl ethyl ketone | 1.3 | | 1.3 | | 0 | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | 0.11 | | 0.10 | J | 10 | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | 69.2 | E | 69.0 | E | 0 | 25 |
| 91-20-3 | Naphthalene | 0.15 | | ND | | 200* [a] | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.12 | | ND | | 200* [a] | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.11 | | 0.12 | J | 9 | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.24 | | 0.24 | | 0 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | 0.80 | | 0.77 | | 4 | 25 |
| 127-18-4 | Tetrachloroethylene | 0.11 | | 0.12 | | 9 | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | 1.1 | | 1.1 | | 0 | 25 |
| 79-01-6 | Trichloroethylene | ND | | ND | | nc | 25 |
| 75-69-4 | Trichlorofluoromethane | 0.47 | | 0.48 | | 2 | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 0.35 | | 0.35 | | 0 | 25 |
| 95-47-6 | o-Xylene | 0.14 | | 0.15 | J | 7 | 25 |
| 1330-20-7 | Xylenes (total) | 0.49 | | 0.50 | | 2 | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE2487-4 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 114% | 113% | 65-128% |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2487-4DUP | 5W55675.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| JE2487-4 | 5W55674.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4, JE2487-6

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2488-2DUP | 5W55717.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |
| JE2488-2 [a] | 5W55716.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-2, JE2487-4

| CAS No. | Compound | JE2488-2 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 5.6 | | 5.7 | | 2 | 25 |
| 64-17-5 | Ethanol | 3.3 | | 3.4 | | 3 | 25 |
| 67-63-0 | Isopropyl Alcohol | 0.49 | | 0.50 | | 2 | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE2488-2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 106% | | 65-128% |

(a) Sample used for QC purposes only.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | JE2666-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 4.2 | | 3.6 | | 15 | 25 |
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | 2.8 | | 3.0 | | 7 | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | 4.0 | | 4.1 | | 2 | 25 |
| 75-00-3 | Chloroethane | 0.40 | J | 0.35 | J | 13 | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | ND | | ND | | nc | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | 2.6 | | 2.7 | | 4 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | 10 | | 10.2 | | 2 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | 0.87 | | 0.91 | | 4 | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | ND | | ND | | nc | 25 |
| 106-46-7 | p-Dichlorobenzene | 1.3 | | 1.4 | | 7 | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | ND | | ND | | nc | 25 |
| 100-41-4 | Ethylbenzene | 0.53 | J | 0.59 | J | 11 | 25 |
| 141-78-6 | Ethyl Acetate | ND | | ND | | nc | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Compound | JE2666-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |
| 76-14-2 | Freon 114 | 9.5 | | 7.8 | | 20 | 25 |
| 142-82-5 | Heptane | 4.4 | | 4.4 | | 0 | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 13.5 | | 13.8 | | 2 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | ND | | ND | | nc | 25 |
| 75-09-2 | Methylene chloride | ND | | ND | | nc | 25 |
| 78-93-3 | Methyl ethyl ketone | ND | | ND | | nc | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | ND | | ND | | nc | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ND | | nc | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ND | | nc | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 1.1 | | 1.1 | | 0 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | | ND | | nc | 25 |
| 127-18-4 | Tetrachloroethylene | 0.17 | | 0.18 | | 6 | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | ND | | ND | | nc | 25 |
| 79-01-6 | Trichloroethylene | ND | | ND | | nc | 25 |
| 75-69-4 | Trichlorofluoromethane | 0.73 | J | 0.73 | J | 0 | 25 |
| 75-01-4 | Vinyl chloride | 3.3 | | 2.8 | | 16 | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 0.71 | J | 0.74 | J | 4 | 25 |
| 95-47-6 | o-Xylene | ND | | ND | | nc | 25 |
| 1330-20-7 | Xylenes (total) | 0.71 | J | 0.74 | J | 4 | 25 |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2666-1DUP | 5W55764.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |
| JE2666-1 | 5W55763.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2135 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-3, JE2487-5, JE2487-6

| CAS No. | Surrogate Recoveries | DUP | JE2666-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 117% | 115% | 65-128% |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2315-1DUP | 5W55826.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| JE2315-1 | 5W55825.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2487-1, JE2487-5

| CAS No. | Compound | JE2315-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 3.7 | | 3.6 | | 3 | 25 |
| 64-17-5 | Ethanol | 7.8 | | 7.5 | | 4 | 25 |
| 67-63-0 | Isopropyl Alcohol | 0.52 | | 0.52 | | 0 | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE2315-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 107% | 65-128% |

* = Outside of Control Limits.

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-SCC | 3W88797.D | 1 | 09/20/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here (Summa A852) applies to the following samples:** **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-SCC | 3W88797.D | 1 | 09/20/24 | TCH | n/a | n/a | V3W3503 |



**The QC reported here (Summa A852) applies to the following samples:** **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V3W3503-SCC | 3W88797.D | 1 | 09/20/24 | TCH | n/a | n/a | V3W3503 |

**The QC reported here (Summa A852) applies to the following samples:** **Method:** TO-15

Batch CP12875 cleaned 09/13/24: JE2487-1(M140)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W379-SCC | 7W10315.D | 1 | 11/06/24 | TCH | n/a | n/a | V7W379 |

**The QC reported here (Summa A276) applies to the following samples:** **Method:** TO-15

Batch CP12909 cleaned 10/23/24: JE2487-6(A1284)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |



**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2487-4(A1659)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 85% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride [a] | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2487-2(A1678), JE2487-3(A1737), JE2487-5(A1597)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 100% | 65-128% |

(a) This compound in blank spike is outside in house QC limits bias high.

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V3W3499-BFB
**Lab File ID:** 3W88654.D
**Instrument ID:** GCMS3W
**Injection Date:** 09/09/24
**Injection Time:** 02:29

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 52640 | 30.1 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 107221 | 61.3 | | Pass |
| 95 | Base peak, 100% relative abundance | 174891 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 11581 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 154816 | 88.5 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 12056 | 6.89 | (7.79) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 150016 | 85.8 | (96.9) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 9496 | 5.43 | (6.33) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 | 03:09 | 00:40 | Initial cal 0.04 |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 | 03:49 | 01:20 | Initial cal 0.1 |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 | 04:30 | 02:01 | Initial cal 0.2 |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 | 05:54 | 03:25 | Initial cal 0.5 |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 | 07:18 | 04:49 | Initial cal 5 |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 | 07:57 | 05:28 | Initial cal 10 |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 | 08:38 | 06:09 | Initial cal 20 |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 | 09:22 | 06:53 | Initial cal 40 |
| V3W3499-ICV3499 | 3W88669.D | 09/09/24 | 13:02 | 10:33 | Initial cal verification 10 |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V3W3503-BFB
**Lab File ID:** 3W88778.D
**Instrument ID:** GCMS3W
**Injection Date:** 09/19/24
**Injection Time:** 12:37

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 33147 | 26.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 71992 | 56.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 127493 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 8630 | 6.77 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 112611 | 88.3 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 9113 | 7.15 | (8.09) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 108400 | 85.0 | (96.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 7382 | 5.79 | (6.81) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V3W3503-CC3499 | 3W88779.D | 09/19/24 | 13:17 | 00:40 | Continuing cal 10 |
| V3W3503-BS | 3W88780.D | 09/19/24 | 14:24 | 01:47 | Blank Spike |
| V3W3503-BSD | 3W88781.D | 09/19/24 | 15:04 | 02:27 | Blank Spike Duplicate |
| V3W3503-MB | 3W88783.D | 09/19/24 | 16:37 | 04:00 | Method Blank |
| ZZZZZZ | 3W88784.D | 09/19/24 | 17:51 | 05:14 | (unrelated sample) |
| JD96175-2 | 3W88785.D | 09/19/24 | 18:39 | 06:02 | (used for QC only; not part of job JE2487) |
| JD96175-2DUP | 3W88786.D | 09/19/24 | 19:28 | 06:51 | Duplicate |
| ZZZZZZ | 3W88787.D | 09/19/24 | 20:18 | 07:41 | (unrelated sample) |
| ZZZZZZ | 3W88788.D | 09/19/24 | 21:08 | 08:31 | (unrelated sample) |
| ZZZZZZ | 3W88789.D | 09/19/24 | 21:54 | 09:17 | (unrelated sample) |
| ZZZZZZ | 3W88790.D | 09/19/24 | 22:40 | 10:03 | (unrelated sample) |
| ZZZZZZ | 3W88791.D | 09/19/24 | 23:26 | 10:49 | (unrelated sample) |
| ZZZZZZ | 3W88792.D | 09/20/24 | 00:12 | 11:35 | (unrelated sample) |
| V3W3503-SCC | 3W88797.D | 09/20/24 | 03:46 | 15:09 | Summa Cleaning Certification |
| V3W3503-SCC | 3W88798.D | 09/20/24 | 04:31 | 15:54 | Summa Cleaning Certification |
| V3W3503-SCC | 3W88801.D | 09/20/24 | 06:48 | 18:11 | Summa Cleaning Certification |
| V3W3503-SCC | 3W88802.D | 09/20/24 | 07:33 | 18:56 | Summa Cleaning Certification |
| V3W3503-SCC | 3W88804.D | 09/20/24 | 09:04 | 20:27 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-BFB
**Lab File ID:** 5W55458.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/09/24
**Injection Time:** 03:34

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 87907 | 21.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 218027 | 52.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 418581 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 28349 | 6.77 | | Pass |
| 173 | Less than 2.0% of mass 174 | 3695 | 0.88 | (1.07) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 343765 | 82.1 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 26424 | 6.31 | (7.69) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 334720 | 80.0 | (97.4) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 22512 | 5.38 | (6.73) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 | 04:14 | 00:40 | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 | 04:54 | 01:20 | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 | 05:35 | 02:01 | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 | 06:59 | 03:25 | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 | 07:45 | 04:11 | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 | 09:03 | 05:29 | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 | 09:45 | 06:11 | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 | 10:29 | 06:55 | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 | 11:14 | 07:40 | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 | 13:55 | 10:21 | Initial cal verification 10 |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2132-BFB
**Lab File ID:** 5W55663.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/16/24
**Injection Time:** 12:41

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 101069 | 23.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 267968 | 61.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 435499 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 29261 | 6.72 | | Pass |
| 173 | Less than 2.0% of mass 174 | 1816 | 0.42 | (0.43) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 426539 | 97.9 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 32493 | 7.46 | (7.62) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 413696 | 95.0 | (97.0) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 27451 | 6.30 | (6.64) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2132-CC2125 | 5W55664.D | 12/16/24 | 13:21 | 00:40 | Continuing cal 10 |
| V5W2132-BS | 5W55665.D | 12/16/24 | 14:48 | 02:07 | Blank Spike |
| V5W2132-BSD | 5W55666.D | 12/16/24 | 15:29 | 02:48 | Blank Spike Duplicate |
| V5W2132-MB | 5W55670.D | 12/16/24 | 18:38 | 05:57 | Method Blank |
| V5W2132-SCC | 5W55670A.D | 12/16/24 | 18:38 | 05:57 | Summa Cleaning Certification |
| V5W2132-SCC | 5W55671.D | 12/16/24 | 19:23 | 06:42 | Summa Cleaning Certification |
| V5W2132-SCC | 5W55672.D | 12/16/24 | 20:09 | 07:28 | Summa Cleaning Certification |
| JE2487-2 | 5W55673.D | 12/16/24 | 20:57 | 08:16 | IA-5 |
| JE2487-4 | 5W55674.D | 12/16/24 | 21:45 | 09:04 | IA-6 |
| JE2487-4DUP | 5W55675.D | 12/16/24 | 22:33 | 09:52 | Duplicate |
| JE2487-6 | 5W55676.D | 12/16/24 | 23:21 | 10:40 | DUP IA |
| ZZZZZZ | 5W55677.D | 12/17/24 | 00:02 | 11:21 | (unrelated sample) |
| ZZZZZZ | 5W55678.D | 12/17/24 | 00:43 | 12:02 | (unrelated sample) |
| ZZZZZZ | 5W55679.D | 12/17/24 | 01:22 | 12:41 | (unrelated sample) |
| ZZZZZZ | 5W55680.D | 12/17/24 | 02:03 | 13:22 | (unrelated sample) |
| ZZZZZZ | 5W55681.D | 12/17/24 | 02:43 | 14:02 | (unrelated sample) |
| ZZZZZZ | 5W55682.D | 12/17/24 | 03:24 | 14:43 | (unrelated sample) |
| ZZZZZZ | 5W55683.D | 12/17/24 | 04:05 | 15:24 | (unrelated sample) |
| ZZZZZZ | 5W55684.D | 12/17/24 | 04:46 | 16:05 | (unrelated sample) |
| ZZZZZZ | 5W55685.D | 12/17/24 | 05:27 | 16:46 | (unrelated sample) |
| ZZZZZZ | 5W55686.D | 12/17/24 | 06:08 | 17:27 | (unrelated sample) |
| V5W2132-SCC | 5W55688.D | 12/17/24 | 07:34 | 18:53 | Summa Cleaning Certification |
| ZZZZZZ | 5W55689.D | 12/17/24 | 08:21 | 19:40 | (unrelated sample) |
| ZZZZZZ | 5W55690.D | 12/17/24 | 09:07 | 20:26 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V5W2132-BFB | **Injection Date:** | 12/16/24 |
| **Lab File ID:** | 5W55663.D | **Injection Time:** | 12:41 |
| **Instrument ID:** | GCMS5W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 5W55691.D | 12/17/24 | 09:53 | 21:12 | (unrelated sample) |
| ZZZZZZ | 5W55692.D | 12/17/24 | 10:53 | 22:12 | (unrelated sample) |
| ZZZZZZ | 5W55693.D | 12/17/24 | 11:40 | 22:59 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2133-BFB
**Lab File ID:** 5W55699.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/17/24
**Injection Time:** 19:52

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 105096 | 23.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 264789 | 58.6 | | Pass |
| 95 | Base peak, 100% relative abundance | 452053 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 29944 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 2112 | 0.47 | (0.43) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 488917 | 108.2 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 38499 | 8.52 | (7.87) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 492928 | 109.0 | (100.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 32312 | 7.15 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2133-CC2125 | 5W55700.D | 12/17/24 | 20:32 | 00:40 | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 | 21:13 | 01:21 | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 | 22:35 | 02:43 | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 | 00:51 | 04:59 | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 | 01:36 | 05:44 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55708.D | 12/18/24 | 02:22 | 06:30 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 | 03:08 | 07:16 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55710.D | 12/18/24 | 03:55 | 08:03 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55711.D | 12/18/24 | 04:42 | 08:50 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 | 05:29 | 09:37 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 | 06:16 | 10:24 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 | 07:02 | 11:10 | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 | 08:40 | 12:48 | (used for QC only; not part of job JE2487) |
| JE2488-2DUP | 5W55717.D | 12/18/24 | 09:29 | 13:37 | Duplicate |
| ZZZZZZ | 5W55721.D | 12/18/24 | 12:42 | 16:50 | (unrelated sample) |
| ZZZZZZ | 5W55722.D | 12/18/24 | 13:30 | 17:38 | (unrelated sample) |
| ZZZZZZ | 5W55723.D | 12/18/24 | 14:18 | 18:26 | (unrelated sample) |
| JE2487-2 | 5W55724.D | 12/18/24 | 14:59 | 19:07 | IA-5 |
| JE2487-4 | 5W55725.D | 12/18/24 | 15:40 | 19:48 | IA-6 |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2135-BFB
**Lab File ID:** 5W55751.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/19/24
**Injection Time:** 15:40

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 114779 | 24.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 281387 | 58.9 | | Pass |
| 95 | Base peak, 100% relative abundance | 477781 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 31525 | 6.60 | | Pass |
| 173 | Less than 2.0% of mass 174 | 2249 | 0.47 | (0.42) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 531051 | 111.1 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 40389 | 8.45 | (7.61) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 532885 | 111.5 | (100.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 35269 | 7.38 | (6.62) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2135-CC2125 | 5W55752.D | 12/19/24 | 16:21 | 00:41 | Continuing cal 10 |
| V5W2135-BS | 5W55753.D | 12/19/24 | 17:20 | 01:40 | Blank Spike |
| V5W2135-BSD | 5W55754.D | 12/19/24 | 18:00 | 02:20 | Blank Spike Duplicate |
| V5W2135-MB | 5W55756.D | 12/19/24 | 19:38 | 03:58 | Method Blank |
| V5W2135-SCC | 5W55757.D | 12/19/24 | 20:18 | 04:38 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55758.D | 12/19/24 | 20:59 | 05:19 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55759.D | 12/19/24 | 21:40 | 06:00 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55760.D | 12/19/24 | 22:21 | 06:41 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55761.D | 12/19/24 | 23:01 | 07:21 | Summa Cleaning Certification |
| V5W2135-SCC | 5W55762.D | 12/19/24 | 23:42 | 08:02 | Summa Cleaning Certification |
| JE2666-1 | 5W55763.D | 12/20/24 | 00:24 | 08:44 | (used for QC only; not part of job JE2487) |
| JE2666-1DUP | 5W55764.D | 12/20/24 | 01:06 | 09:26 | Duplicate |
| ZZZZZZ | 5W55765.D | 12/20/24 | 01:51 | 10:11 | (unrelated sample) |
| ZZZZZZ | 5W55766.D | 12/20/24 | 02:38 | 10:58 | (unrelated sample) |
| ZZZZZZ | 5W55767.D | 12/20/24 | 03:26 | 11:46 | (unrelated sample) |
| JE2487-1 | 5W55768.D | 12/20/24 | 04:13 | 12:33 | SS-5 |
| JE2487-3 | 5W55769.D | 12/20/24 | 04:55 | 13:15 | SS-6 |
| JE2487-5 | 5W55770.D | 12/20/24 | 05:43 | 14:03 | DUP SS |
| JE2487-6 | 5W55771.D | 12/20/24 | 06:26 | 14:46 | DUP IA |
| ZZZZZZ | 5W55772.D | 12/20/24 | 07:15 | 15:35 | (unrelated sample) |
| ZZZZZZ | 5W55773.D | 12/20/24 | 08:03 | 16:23 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2138-BFB
**Lab File ID:** 5W55818.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/23/24
**Injection Time:** 08:13

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 80464 | 22.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 208725 | 57.0 | | Pass |
| 95 | Base peak, 100% relative abundance | 365867 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 24203 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 437760 | 119.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 33048 | 9.03 | (7.55) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 427712 | 116.9 | (97.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 29384 | 8.03 | (6.87) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2138-CC2125 | 5W55819.D | 12/23/24 | 09:11 | 00:58 | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 | 10:07 | 01:54 | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 | 11:17 | 03:04 | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 | 12:54 | 04:41 | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 | 14:29 | 06:16 | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 | 15:24 | 07:11 | (used for QC only; not part of job JE2487) |
| JE2315-1DUP | 5W55826.D | 12/23/24 | 16:11 | 07:58 | Duplicate |
| JE2487-1 | 5W55827.D | 12/23/24 | 16:52 | 08:39 | SS-5 |
| JE2487-5 | 5W55828.D | 12/23/24 | 17:34 | 09:21 | DUP SS |
| ZZZZZZ | 5W55829.D | 12/23/24 | 18:20 | 10:07 | (unrelated sample) |
| ZZZZZZ | 5W55830.D | 12/23/24 | 19:01 | 10:48 | (unrelated sample) |
| ZZZZZZ | 5W55831.D | 12/23/24 | 19:43 | 11:30 | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 | 20:23 | 12:10 | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 | 21:09 | 12:56 | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 | 21:56 | 13:43 | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 | 22:42 | 14:29 | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 | 23:28 | 15:15 | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 | 00:14 | 16:01 | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 | 01:01 | 16:48 | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 | 01:54 | 17:41 | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 | 02:41 | 18:28 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-BFB
**Lab File ID:** 7W07974.D
**Instrument ID:** GCMS7W
**Injection Date:** 08/18/24
**Injection Time:** 21:06

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 20443 | 24.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 43320 | 51.7 | | Pass |
| 95 | Base peak, 100% relative abundance | 83736 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 5915 | 7.06 | | Pass |
| 173 | Less than 2.0% of mass 174 | 627 | 0.75 | (1.02) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 61525 | 73.5 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4526 | 5.41 | (7.36) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 58768 | 70.2 | (95.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3856 | 4.60 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 | 21:40 | 00:34 | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 | 22:13 | 01:07 | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 | 22:49 | 01:43 | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 | 23:22 | 02:16 | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 | 00:01 | 02:55 | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 | 00:35 | 03:29 | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 | 01:10 | 04:04 | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 | 01:48 | 04:42 | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 | 02:28 | 05:22 | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 | 06:28 | 09:22 | Initial cal verification 10 |
| V7W306-BS | 7W07991.D | 08/19/24 | 07:07 | 10:01 | Blank Spike |
| V7W306-BSD | 7W07992.D | 08/19/24 | 07:40 | 10:34 | Blank Spike Duplicate |
| V7W306-MB | 7W07996.D | 08/19/24 | 10:30 | 13:24 | Method Blank |
| ZZZZZZ | 7W07997.D | 08/19/24 | 11:04 | 13:58 | (unrelated sample) |
| ZZZZZZ | 7W07998.D | 08/19/24 | 11:39 | 14:33 | (unrelated sample) |
| ZZZZZZ | 7W07999.D | 08/19/24 | 12:15 | 15:09 | (unrelated sample) |
| JD93469-1 | 7W08000.D | 08/19/24 | 12:50 | 15:44 | (used for QC only; not part of job JE2487) |
| JD93469-1DUP | 7W08001.D | 08/19/24 | 13:26 | 16:20 | Duplicate |
| ZZZZZZ | 7W08002.D | 08/19/24 | 14:07 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W08003.D | 08/19/24 | 14:50 | 17:44 | (unrelated sample) |
| ZZZZZZ | 7W08004.D | 08/19/24 | 15:30 | 18:24 | (unrelated sample) |
| ZZZZZZ | 7W08005.D | 08/19/24 | 16:05 | 18:59 | (unrelated sample) |
| ZZZZZZ | 7W08006.D | 08/19/24 | 16:46 | 19:40 | (unrelated sample) |
| ZZZZZZ | 7W08007.D | 08/19/24 | 17:31 | 20:25 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W305-BFB | **Injection Date:** | 08/18/24 |
| **Lab File ID:** | 7W07974.D | **Injection Time:** | 21:06 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 7W08008.D | 08/19/24 | 18:11 | 21:05 | (unrelated sample) |
| ZZZZZZ | 7W08009.D | 08/19/24 | 18:52 | 21:46 | (unrelated sample) |
| ZZZZZZ | 7W08010.D | 08/19/24 | 20:04 | 22:58 | (unrelated sample) |
| ZZZZZZ | 7W08011.D | 08/19/24 | 20:43 | 23:37 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W379-BFB
**Lab File ID:** 7W10298.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/06/24
**Injection Time:** 08:30

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 13433 | 21.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 31192 | 49.8 | | Pass |
| 95 | Base peak, 100% relative abundance | 62667 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4090 | 6.53 | | Pass |
| 173 | Less than 2.0% of mass 174 | 262 | 0.42 | (0.56) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 46624 | 74.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3614 | 5.77 | (7.75) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 46085 | 73.5 | (98.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3024 | 4.83 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W379-CC305 | 7W10299.D | 11/06/24 | 09:06 | 00:36 | Continuing cal 10 |
| V7W379-BS | 7W10300.D | 11/06/24 | 09:45 | 01:15 | Blank Spike |
| V7W379-BSD | 7W10301.D | 11/06/24 | 10:21 | 01:51 | Blank Spike Duplicate |
| V7W379-MB | 7W10303.D | 11/06/24 | 11:42 | 03:12 | Method Blank |
| JD98975-1 | 7W10304.D | 11/06/24 | 12:44 | 04:14 | (used for QC only; not part of job JE2487) |
| JD98975-1DUP | 7W10305.D | 11/06/24 | 13:27 | 04:57 | Duplicate |
| ZZZZZZ | 7W10306.D | 11/06/24 | 14:10 | 05:40 | (unrelated sample) |
| ZZZZZZ | 7W10307.D | 11/06/24 | 14:56 | 06:26 | (unrelated sample) |
| ZZZZZZ | 7W10308.D | 11/06/24 | 15:39 | 07:09 | (unrelated sample) |
| ZZZZZZ | 7W10309.D | 11/06/24 | 16:22 | 07:52 | (unrelated sample) |
| ZZZZZZ | 7W10310.D | 11/06/24 | 16:58 | 08:28 | (unrelated sample) |
| V7W379-SCC | 7W10311.D | 11/06/24 | 17:39 | 09:09 | Summa Cleaning Certification |
| V7W379-SCC | 7W10312.D | 11/06/24 | 18:20 | 09:50 | Summa Cleaning Certification |
| V7W379-SCC | 7W10313.D | 11/06/24 | 19:01 | 10:31 | Summa Cleaning Certification |
| V7W379-SCC | 7W10314.D | 11/06/24 | 19:42 | 11:12 | Summa Cleaning Certification |
| V7W379-SCC | 7W10315.D | 11/06/24 | 20:23 | 11:53 | Summa Cleaning Certification |
| V7W379-SCC | 7W10316.D | 11/06/24 | 21:04 | 12:34 | Summa Cleaning Certification |
| V7W379-SCC | 7W10317.D | 11/06/24 | 21:45 | 13:15 | Summa Cleaning Certification |
| V7W379-SCC | 7W10318.D | 11/06/24 | 22:26 | 13:56 | Summa Cleaning Certification |
| V7W379-SCC | 7W10319.D | 11/06/24 | 23:07 | 14:37 | Summa Cleaning Certification |
| V7W379-SCC | 7W10321.D | 11/07/24 | 00:24 | 15:54 | Summa Cleaning Certification |
| V7W379-SCC | 7W10322.D | 11/07/24 | 01:00 | 16:30 | Summa Cleaning Certification |
| V7W379-SCC | 7W10323.D | 11/07/24 | 01:35 | 17:05 | Summa Cleaning Certification |
| V7W379-SCC | 7W10324.D | 11/07/24 | 02:11 | 17:41 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W379-BFB | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10298.D | **Injection Time:** | 08:30 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W379-SCC | 7W10325.D | 11/07/24 | 02:47 | 18:17 | Summa Cleaning Certification |
| V7W379-SCC | 7W10326.D | 11/07/24 | 03:28 | 18:58 | Summa Cleaning Certification |
| V7W379-SCC | 7W10327.D | 11/07/24 | 04:10 | 19:40 | Summa Cleaning Certification |
| V7W379-SCC | 7W10328.D | 11/07/24 | 04:51 | 20:21 | Summa Cleaning Certification |
| V7W379-SCC | 7W10329.D | 11/07/24 | 05:32 | 21:02 | Summa Cleaning Certification |
| V7W379-SCC | 7W10330.D | 11/07/24 | 06:14 | 21:44 | Summa Cleaning Certification |
| V7W379-SCC | 7W10331.D | 11/07/24 | 06:55 | 22:25 | Summa Cleaning Certification |
| V7W379-SCC | 7W10332.D | 11/07/24 | 07:37 | 23:07 | Summa Cleaning Certification |
| V7W379-SCC | 7W10333.D | 11/07/24 | 08:18 | 23:48 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W387-BFB
**Lab File ID:** 7W10575.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/18/24
**Injection Time:** 08:59

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 12830 | 18.3 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 33101 | 47.2 | | Pass |
| 95 | Base peak, 100% relative abundance | 70203 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4918 | 7.01 | | Pass |
| 173 | Less than 2.0% of mass 174 | 423 | 0.60 | (0.70) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 60187 | 85.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4410 | 6.28 | (7.33) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 57075 | 81.3 | (94.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3652 | 5.20 | (6.40) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-CC305 | 7W10576.D | 11/18/24 | 09:35 | 00:36 | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 | 10:11 | 01:12 | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 | 10:46 | 01:47 | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 | 12:04 | 03:05 | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 | 13:59 | 05:00 | (used for QC only; not part of job JE2487) |
| JD99820-1DUP | 7W10583.D | 11/18/24 | 14:40 | 05:41 | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 | 15:21 | 06:22 | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 | 16:44 | 07:45 | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 | 17:25 | 08:26 | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 | 18:07 | 09:08 | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 | 19:30 | 10:31 | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 | 20:11 | 11:12 | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 | 20:52 | 11:53 | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 | 21:28 | 12:29 | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 | 22:04 | 13:05 | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 | 22:41 | 13:42 | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 | 23:53 | 14:54 | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 | 00:29 | 15:30 | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 | 01:06 | 16:07 | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 | 02:18 | 17:19 | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 | 02:55 | 17:56 | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 | 03:31 | 18:32 | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 | 04:07 | 19:08 | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 | 04:48 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W387-BFB | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10575.D | **Injection Time:** | 08:59 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-SCC | 7W10606.D | 11/19/24 | 05:29 | 20:30 | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 | 06:10 | 21:11 | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 | 06:51 | 21:52 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W392-BFB
**Lab File ID:** 7W10742.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/25/24
**Injection Time:** 08:36

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 15330 | 21.5 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 35867 | 50.4 | | Pass |
| 95 | Base peak, 100% relative abundance | 71168 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4636 | 6.51 | | Pass |
| 173 | Less than 2.0% of mass 174 | 555 | 0.78 | (1.03) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 53835 | 75.6 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3970 | 5.58 | (7.37) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 52037 | 73.1 | (96.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3340 | 4.69 | (6.42) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-CC305 | 7W10743.D | 11/25/24 | 09:11 | 00:35 | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 | 09:50 | 01:14 | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 | 10:26 | 01:50 | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 | 11:46 | 03:10 | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 | 12:29 | 03:53 | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 | 13:04 | 04:28 | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 | 13:39 | 05:03 | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 | 14:14 | 05:38 | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 | 14:56 | 06:20 | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 | 16:07 | 07:31 | (used for QC only; not part of job JE2487) |
| ZZZZZZ | 7W10757.D | 11/25/24 | 17:55 | 09:19 | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 | 18:30 | 09:54 | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 | 19:05 | 10:29 | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 | 19:40 | 11:04 | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 | 20:16 | 11:40 | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 | 21:26 | 12:50 | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 | 22:01 | 13:25 | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 | 22:38 | 14:02 | (used for QC only; not part of job JE2487) |
| ZZZZZZ | 7W10766.D | 11/25/24 | 23:19 | 14:43 | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 | 00:00 | 15:24 | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 | 00:42 | 16:06 | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 | 02:42 | 18:06 | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 | 03:23 | 18:47 | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 | 04:04 | 19:28 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W392-BFB | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10742.D | **Injection Time:** | 08:36 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-SCC | 7W10774.D | 11/26/24 | 04:44 | 20:08 | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 | 05:25 | 20:49 | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 | 06:47 | 22:11 | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 | 08:24 | 23:48 | Duplicate |

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V3W3503-CC3499 | **Injection Date:** | 09/19/24 |
| **Lab File ID:** | 3W88779.D | **Injection Time:** | 13:17 |
| **Instrument ID:** | GCMS3W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 85839 | 7.49 | 439834 | 9.21 | 234703 | 13.49 |
| Upper Limit [a] | 120175 | 7.82 | 615768 | 9.54 | 328584 | 13.82 |
| Lower Limit [b] | 51503 | 7.16 | 263900 | 8.88 | 140822 | 13.16 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V3W3503-BS | 79563 | 7.49 | 406111 | 9.21 | 223805 | 13.48 |
| V3W3503-BSD | 76528 | 7.49 | 385893 | 9.21 | 214634 | 13.49 |
| V3W3503-MB | 70106 | 7.49 | 359547 | 9.21 | 182840 | 13.48 |
| ZZZZZZ | 62955 | 7.50 | 318174 | 9.21 | 162825 | 13.48 |
| JD96175-2 | 60931 | 7.50 | 307999 | 9.21 | 164184 | 13.48 |
| JD96175-2DUP | 58661 | 7.50 | 291386 | 9.21 | 162954 | 13.48 |
| ZZZZZZ | 57886 | 7.50 | 292737 | 9.21 | 158196 | 13.48 |
| ZZZZZZ | 58549 | 7.50 | 292582 | 9.21 | 161142 | 13.48 |
| ZZZZZZ | 56367 | 7.50 | 281347 | 9.21 | 149531 | 13.48 |
| ZZZZZZ | 57108 | 7.50 | 282789 | 9.21 | 154338 | 13.48 |
| ZZZZZZ | 55910 | 7.50 | 275948 | 9.21 | 162094 | 13.48 |
| ZZZZZZ | 56605 | 7.50 | 286975 | 9.21 | 145699 | 13.48 |
| V3W3503-SCC | 54473 | 7.49 | 280242 | 9.21 | 145606 | 13.48 |
| V3W3503-SCC | 53602 | 7.49 | 272854 | 9.21 | 157083 | 13.48 |
| V3W3503-SCC | 52682 | 7.49 | 270098 | 9.21 | 141260 | 13.48 |
| V3W3503-SCC | 52765 | 7.49 | 275061 | 9.21 | 164734 | 13.48 |
| V3W3503-SCC | 53615 | 7.49 | 275882 | 9.21 | 154561 | 13.48 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2132-CC2125 | **Injection Date:** | 12/16/24 |
| **Lab File ID:** | 5W55664.D | **Injection Time:** | 13:21 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 322460 | 7.67 | 1489170 | 9.83 | 993103 | 15.35 |
| Upper Limit [a] | 451444 | 8.00 | 2084838 | 10.16 | 1390344 | 15.68 |
| Lower Limit [b] | 193476 | 7.34 | 893502 | 9.50 | 595862 | 15.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2132-BS | 341152 | 7.67 | 1550754 | 9.83 | 1025782 | 15.34 |
| V5W2132-BSD | 328331 | 7.67 | 1518453 | 9.83 | 1014713 | 15.35 |
| V5W2132-MB | 351933 | 7.66 | 1652348 | 9.83 | 979891 | 15.34 |
| V5W2132-SCC | 351933 | 7.66 | 1652348 | 9.83 | 979891 | 15.34 |
| V5W2132-SCC | 364037 | 7.66 | 1592616 | 9.83 | 1005649 | 15.34 |
| V5W2132-SCC | 358452 | 7.66 | 1494109 | 9.83 | 1003602 | 15.34 |
| JE2487-2 | 279715 | 7.67 | 1392537 | 9.83 | 858944 | 15.34 |
| JE2487-4 | 277269 | 7.67 | 1350782 | 9.83 | 827218 | 15.35 |
| JE2487-4DUP | 279421 | 7.67 | 1362931 | 9.83 | 788847 | 15.34 |
| JE2487-6 | 277336 | 7.67 | 1355901 | 9.83 | 836365 | 15.34 |
| ZZZZZZ | 273073 | 7.67 | 1333849 | 9.83 | 785500 | 15.34 |
| ZZZZZZ | 276954 | 7.67 | 1345536 | 9.83 | 774423 | 15.34 |
| ZZZZZZ | 269136 | 7.67 | 1303757 | 9.83 | 724093 | 15.34 |
| ZZZZZZ | 278388 | 7.66 | 1344968 | 9.83 | 804996 | 15.34 |
| ZZZZZZ | 285979 | 7.67 | 1400047 | 9.83 | 839393 | 15.34 |
| ZZZZZZ | 272171 | 7.66 | 1346089 | 9.83 | 840735 | 15.34 |
| ZZZZZZ | 286499 | 7.67 | 1400540 | 9.83 | 868483 | 15.34 |
| ZZZZZZ | 282275 | 7.66 | 1372616 | 9.83 | 854374 | 15.34 |
| ZZZZZZ | 284462 | 7.66 | 1375628 | 9.83 | 812932 | 15.34 |
| ZZZZZZ | 286564 | 7.66 | 1393907 | 9.83 | 855919 | 15.34 |
| V5W2132-SCC | 294351 | 7.66 | 1399989 | 9.83 | 827427 | 15.34 |
| ZZZZZZ | 242805 | 7.66 | 1181625 | 9.83 | 720130 | 15.34 |
| ZZZZZZ | 244129 | 7.66 | 1195765 | 9.83 | 755239 | 15.34 |
| ZZZZZZ | 260698 | 7.66 | 1263011 | 9.83 | 792763 | 15.34 |
| ZZZZZZ | 256044 | 7.66 | 1245715 | 9.83 | 783760 | 15.34 |
| ZZZZZZ | 243432 | 7.66 | 1190802 | 9.83 | 753521 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2133-CC2125 | **Injection Date:** | 12/17/24 |
| **Lab File ID:** | 5W55700.D | **Injection Time:** | 20:32 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 283490 | 7.67 | 1320983 | 9.83 | 829640 | 15.35 |
| Upper Limit [a] | 396886 | 8.00 | 1849376 | 10.16 | 1161496 | 15.68 |
| Lower Limit [b] | 170094 | 7.34 | 792590 | 9.50 | 497784 | 15.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2133-BS | 313892 | 7.67 | 1454050 | 9.83 | 902926 | 15.35 |
| V5W2133-BSD | 319491 | 7.66 | 1462454 | 9.83 | 906713 | 15.34 |
| V5W2133-MB | 295908 | 7.66 | 1754729 | 9.83 | 953484 | 15.34 |
| V5W2133-SCC | 267595 | 7.66 | 1285097 | 9.83 | 733872 | 15.34 |
| V5W2133-SCC [c] | 215631 | 7.66 | 1056364 | 9.83 | 624828 | 15.34 |
| V5W2133-SCC | 208981 | 7.66 | 1029779 | 9.83 | 606483 | 15.34 |
| V5W2133-SCC [c] | 188367 | 7.66 | 948315 | 9.83 | 553930 | 15.34 |
| V5W2133-SCC [c] | 181213 | 7.66 | 897339 | 9.83 | 529431 | 15.34 |
| V5W2133-SCC | 190751 | 7.66 | 939930 | 9.83 | 559452 | 15.34 |
| V5W2133-SCC | 188591 | 7.66 | 933317 | 9.83 | 548791 | 15.34 |
| V5W2133-SCC | 197470 | 7.66 | 973511 | 9.83 | 568347 | 15.34 |
| JE2488-2 | 155758[d] | 7.66 | 802815 | 9.83 | 500617 | 15.34 |
| JE2488-2DUP | 156769[e] | 7.66 | 796945 | 9.83 | 502343 | 15.34 |
| ZZZZZZ | 201833 | 7.68 | 1009609 | 9.83 | 643332 | 15.34 |
| ZZZZZZ | 233544 | 7.70 | 1103107 | 9.85 | 630888 | 15.35 |
| ZZZZZZ | 255838 | 7.70 | 1240149 | 9.85 | 726238 | 15.35 |
| JE2487-2 | 245099 | 7.66 | 1200195 | 9.83 | 651740 | 15.34 |
| JE2487-4 | 201759 | 7.66 | 999601 | 9.83 | 548542 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside of in house control limits.
(e) Outside in house control limits.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2135-CC2125 | **Injection Date:** | 12/19/24 |
| **Lab File ID:** | 5W55752.D | **Injection Time:** | 16:21 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 322187 | 7.67 | 1499665 | 9.83 | 960430 | 15.34 |
| Upper Limit [a] | 451062 | 8.00 | 2099531 | 10.16 | 1344602 | 15.67 |
| Lower Limit [b] | 193312 | 7.34 | 899799 | 9.50 | 576258 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2135-BS | 331289 | 7.66 | 1550914 | 9.83 | 964726 | 15.34 |
| V5W2135-BSD | 334718 | 7.67 | 1578242 | 9.83 | 998402 | 15.34 |
| V5W2135-MB | 391902 | 7.66 | 1871565 | 9.82 | 1053026 | 15.34 |
| V5W2135-SCC [c] | 349450 | 7.66 | 1659793 | 9.83 | 931089 | 15.34 |
| V5W2135-SCC [c] | 301684 | 7.66 | 1473466 | 9.83 | 822803 | 15.34 |
| V5W2135-SCC | 276073 | 7.66 | 1336244 | 9.83 | 766363 | 15.34 |
| V5W2135-SCC | 253539 | 7.66 | 1252451 | 9.83 | 729719 | 15.34 |
| V5W2135-SCC | 244889 | 7.66 | 1205208 | 9.83 | 691756 | 15.34 |
| V5W2135-SCC | 237497 | 7.66 | 1161322 | 9.83 | 680535 | 15.34 |
| JE2666-1 | 209799 | 7.66 | 1077681 | 9.83 | 679137 | 15.34 |
| JE2666-1DUP | 260206 | 7.66 | 1283023 | 9.83 | 766261 | 15.34 |
| ZZZZZZ | 317055 | 7.66 | 1512238 | 9.83 | 845380 | 15.34 |
| ZZZZZZ | 251178 | 7.66 | 1215809 | 9.82 | 666668 | 15.34 |
| ZZZZZZ | 230311 | 7.66 | 1156543 | 9.83 | 679432 | 15.34 |
| JE2487-1 | 220726 | 7.66 | 1092546 | 9.83 | 537900[d] | 15.34 |
| JE2487-3 | 291529 | 7.66 | 1382771 | 9.83 | 744927 | 15.34 |
| JE2487-5 | 240627 | 7.66 | 1181267 | 9.83 | 594136 | 15.34 |
| JE2487-6 | 301213 | 7.66 | 1412528 | 9.83 | 731117 | 15.34 |
| ZZZZZZ | 246841 | 7.66 | 1192646 | 9.83 | 654848 | 15.34 |
| ZZZZZZ | 232490 | 7.66 | 1140245 | 9.82 | 659764 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) reclean
(d) Outside control limits due to matrix interference.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2138-CC2125 | **Injection Date:** | 12/23/24 |
| **Lab File ID:** | 5W55819.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 263070 | 7.67 | 1217301 | 9.83 | 738303 | 15.34 |
| Upper Limit [a] | 368298 | 8.00 | 1704221 | 10.16 | 1033624 | 15.67 |
| Lower Limit [b] | 157842 | 7.34 | 730381 | 9.50 | 442982 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2138-BS | 261510 | 7.66 | 1220164 | 9.83 | 739045 | 15.34 |
| V5W2138-BSD | 260595 | 7.66 | 1218483 | 9.83 | 736456 | 15.34 |
| V5W2138-MB | 311710 | 7.66 | 1493158 | 9.82 | 781178 | 15.33 |
| V5W2138-SCC | 321306 | 7.66 | 1506173 | 9.82 | 782137 | 15.33 |
| JE2315-1 | 245399 | 7.66 | 1205702 | 9.83 | 682878 | 15.33 |
| JE2315-1DUP | 217553 | 7.66 | 1077292 | 9.83 | 621263 | 15.33 |
| JE2487-1 | 208762 | 7.66 | 1039636 | 9.82 | 572065 | 15.34 |
| JE2487-5 | 201543 | 7.67 | 1000655 | 9.83 | 551430 | 15.34 |
| ZZZZZZ | 211041 | 7.66 | 1036893 | 9.83 | 471557 | 15.34 |
| ZZZZZZ | 215745 | 7.66 | 1039188 | 9.83 | 542678 | 15.34 |
| ZZZZZZ | 244806 | 7.66 | 1174993 | 9.83 | 645042 | 15.34 |
| ZZZZZZ | 195304 | 7.67 | 959920 | 9.83 | 520023 | 15.34 |
| ZZZZZZ | 186533 | 7.66 | 914542 | 9.83 | 530709 | 15.33 |
| ZZZZZZ | 190196 | 7.67 | 938311 | 9.83 | 539199 | 15.34 |
| ZZZZZZ | 194798 | 7.67 | 962979 | 9.83 | 555481 | 15.34 |
| ZZZZZZ | 182844 | 7.66 | 924573 | 9.83 | 542563 | 15.34 |
| ZZZZZZ | 195003 | 7.67 | 985329 | 9.83 | 573135 | 15.34 |
| ZZZZZZ | 203928 | 7.66 | 1010745 | 9.83 | 575284 | 15.34 |
| ZZZZZZ | 207550 | 7.66 | 1034387 | 9.83 | 595518 | 15.34 |
| ZZZZZZ | 0* | 0.00* | 0* | 0.00* | 0* | 0.00* |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W379-CC305 | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10299.D | **Injection Time:** | 09:06 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 56421 | 3.27 | 285763 | 4.55 | 259568 | 10.13 |
| Upper Limit [a] | 78989 | 3.60 | 400068 | 4.88 | 363395 | 10.46 |
| Lower Limit [b] | 33853 | 2.94 | 171458 | 4.22 | 155741 | 9.80 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W379-BS | 55418 | 3.27 | 277611 | 4.55 | 253160 | 10.12 |
| V7W379-BSD | 55927 | 3.28 | 282163 | 4.56 | 256452 | 10.12 |
| V7W379-MB | 58077 | 3.28 | 294303 | 4.55 | 263172 | 10.12 |
| JD98975-1 | 51888 | 3.28 | 265625 | 4.56 | 242726 | 10.12 |
| JD98975-1DUP | 51878 | 3.28 | 259189 | 4.56 | 244442 | 10.12 |
| ZZZZZZ | 51104 | 3.28 | 258158 | 4.56 | 244994 | 10.13 |
| ZZZZZZ | 54429 | 3.28 | 278529 | 4.55 | 255637 | 10.12 |
| ZZZZZZ | 51903 | 3.28 | 263013 | 4.56 | 248985 | 10.12 |
| ZZZZZZ | 50742 | 3.28 | 256658 | 4.56 | 243506 | 10.12 |
| ZZZZZZ | 50543 | 3.28 | 245453 | 4.56 | 240703 | 10.12 |
| V7W379-SCC | 58999 | 3.27 | 298005 | 4.55 | 265842 | 10.12 |
| V7W379-SCC | 57933 | 3.27 | 291748 | 4.55 | 260201 | 10.12 |
| V7W379-SCC | 58959 | 3.28 | 296038 | 4.56 | 264212 | 10.12 |
| V7W379-SCC | 59613 | 3.27 | 299056 | 4.55 | 268365 | 10.12 |
| V7W379-SCC | 58595 | 3.28 | 297956 | 4.55 | 266975 | 10.12 |
| V7W379-SCC | 58254 | 3.27 | 297841 | 4.55 | 264347 | 10.12 |
| V7W379-SCC | 58795 | 3.28 | 299586 | 4.55 | 267947 | 10.12 |
| V7W379-SCC | 59451 | 3.28 | 303875 | 4.55 | 271981 | 10.12 |
| V7W379-SCC | 57947 | 3.27 | 295202 | 4.55 | 266238 | 10.12 |
| V7W379-SCC | 57742 | 3.28 | 296372 | 4.56 | 269599 | 10.12 |
| V7W379-SCC | 57605 | 3.28 | 294963 | 4.55 | 267997 | 10.12 |
| V7W379-SCC | 54788 | 3.27 | 281581 | 4.55 | 255676 | 10.12 |
| V7W379-SCC | 55630 | 3.27 | 283149 | 4.55 | 256605 | 10.12 |
| V7W379-SCC | 54061 | 3.27 | 275223 | 4.55 | 248934 | 10.12 |
| V7W379-SCC | 55539 | 3.27 | 284068 | 4.55 | 254580 | 10.12 |
| V7W379-SCC | 56664 | 3.28 | 289285 | 4.55 | 260091 | 10.12 |
| V7W379-SCC | 56395 | 3.28 | 286264 | 4.55 | 259515 | 10.12 |
| V7W379-SCC | 54568 | 3.27 | 279632 | 4.55 | 252683 | 10.12 |
| V7W379-SCC | 57534 | 3.28 | 291775 | 4.55 | 260760 | 10.12 |
| V7W379-SCC | 56144 | 3.28 | 289091 | 4.55 | 261658 | 10.13 |
| V7W379-SCC | 55864 | 3.27 | 284151 | 4.55 | 257760 | 10.12 |
| V7W379-SCC | 55969 | 3.28 | 285237 | 4.55 | 255717 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W379-CC305 | **Injection Date:** | 11/06/24 |
| **Lab File ID:** | 7W10299.D | **Injection Time:** | 09:06 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| Lab Sample ID | IS 1 AREA | IS 1 RT | IS 2 AREA | IS 2 RT | IS 3 AREA | IS 3 RT |
|---|---|---|---|---|---|---|

**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W387-CC305 | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10576.D | **Injection Time:** | 09:35 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 60785 | 3.28 | 318407 | 4.55 | 291110 | 10.12 |
| Upper Limit [a] | 85099 | 3.61 | 445770 | 4.88 | 407554 | 10.45 |
| Lower Limit [b] | 36471 | 2.95 | 191044 | 4.22 | 174666 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W387-BS | 59927 | 3.27 | 307732 | 4.55 | 281115 | 10.12 |
| V7W387-BSD | 59448 | 3.28 | 304227 | 4.55 | 275746 | 10.12 |
| V7W387-MB | 64026 | 3.28 | 327182 | 4.55 | 306459 | 10.12 |
| JD99820-1 | 56665 | 3.28 | 288174 | 4.56 | 265558 | 10.12 |
| JD99820-1DUP | 55698 | 3.28 | 286506 | 4.56 | 262400 | 10.12 |
| ZZZZZZ | 57230 | 3.28 | 293974 | 4.56 | 269278 | 10.12 |
| ZZZZZZ | 57892 | 3.28 | 293943 | 4.56 | 268382 | 10.13 |
| ZZZZZZ | 55173 | 3.28 | 281652 | 4.56 | 256840 | 10.12 |
| ZZZZZZ | 56414 | 3.28 | 290642 | 4.56 | 266690 | 10.12 |
| ZZZZZZ | 55175 | 3.28 | 282753 | 4.56 | 261195 | 10.12 |
| ZZZZZZ | 56321 | 3.28 | 288236 | 4.56 | 267074 | 10.12 |
| ZZZZZZ | 55592 | 3.28 | 280028 | 4.56 | 258953 | 10.12 |
| ZZZZZZ | 59195 | 3.28 | 306746 | 4.56 | 279352 | 10.13 |
| ZZZZZZ | 54414 | 3.28 | 279296 | 4.56 | 256561 | 10.12 |
| ZZZZZZ | 53395 | 3.28 | 262918 | 4.56 | 253725 | 10.12 |
| ZZZZZZ | 58851 | 3.28 | 302770 | 4.56 | 278405 | 10.12 |
| ZZZZZZ | 60842 | 3.28 | 310928 | 4.56 | 285512 | 10.12 |
| ZZZZZZ | 60530 | 3.28 | 314864 | 4.56 | 285718 | 10.13 |
| ZZZZZZ | 57253 | 3.28 | 296182 | 4.56 | 271095 | 10.12 |
| ZZZZZZ | 55936 | 3.28 | 289486 | 4.55 | 263402 | 10.12 |
| V7W387-SCC | 58656 | 3.28 | 295685 | 4.56 | 265930 | 10.12 |
| V7W387-SCC | 60454 | 3.27 | 305996 | 4.55 | 275902 | 10.12 |
| V7W387-SCC | 61555 | 3.28 | 303415 | 4.55 | 282366 | 10.12 |
| V7W387-SCC | 63209 | 3.28 | 314760 | 4.55 | 280011 | 10.12 |
| V7W387-SCC | 65323 | 3.28 | 322265 | 4.55 | 287974 | 10.12 |
| ZZZZZZ | 56492 | 3.28 | 288918 | 4.56 | 272258 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W392-CC305 | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10743.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 72713 | 3.27 | 383789 | 4.55 | 314273 | 10.12 |
| Upper Limit [a] | 101798 | 3.60 | 537305 | 4.88 | 439982 | 10.45 |
| Lower Limit [b] | 43628 | 2.94 | 230273 | 4.22 | 188564 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W392-BS | 72768 | 3.27 | 382948 | 4.55 | 316986 | 10.12 |
| V7W392-BSD | 73571 | 3.27 | 390728 | 4.55 | 328697 | 10.12 |
| V7W392-MB | 77496 | 3.27 | 407451 | 4.55 | 332375 | 10.12 |
| ZZZZZZ | 70134 | 3.29 | 377860 | 4.57 | 313611 | 10.13 |
| ZZZZZZ | 66825 | 3.29 | 363077 | 4.57 | 303014 | 10.13 |
| ZZZZZZ | 61291 | 3.29 | 333551 | 4.57 | 281900 | 10.12 |
| ZZZZZZ | 59927 | 3.29 | 321484 | 4.56 | 275765 | 10.13 |
| ZZZZZZ | 60563 | 3.28 | 323816 | 4.56 | 275730 | 10.13 |
| JE994-2 | 61272 | 3.32 | 354889 | 4.59 | 300529 | 10.13 |
| ZZZZZZ | 56502 | 3.27 | 334521 | 4.60 | 295346 | 10.14 |
| ZZZZZZ | 59682 | 3.29 | 335723 | 4.57 | 286843 | 10.13 |
| ZZZZZZ | 52994 | 3.28 | 289969 | 4.56 | 248230 | 10.13 |
| ZZZZZZ | 54075 | 3.28 | 285122 | 4.56 | 238672 | 10.12 |
| ZZZZZZ | 49318 | 3.28 | 271433 | 4.56 | 230382 | 10.12 |
| ZZZZZZ | 50588 | 3.28 | 269595 | 4.56 | 222162 | 10.12 |
| ZZZZZZ | 48508 | 3.28 | 263253 | 4.56 | 230371 | 10.12 |
| JE1061-10 | 47637 | 3.28 | 253998 | 4.55 | 215224 | 10.12 |
| ZZZZZZ | 52252 | 3.28 | 279608 | 4.55 | 230161 | 10.12 |
| ZZZZZZ | 50070 | 3.28 | 267272 | 4.55 | 202380 | 10.12 |
| ZZZZZZ | 52376 | 3.29 | 269271 | 4.57 | 232208 | 10.13 |
| ZZZZZZ | 47233 | 3.30 | 316292 | 4.58 | 248242 | 10.14 |
| V7W392-SCC | 60827 | 3.27 | 320474 | 4.55 | 270203 | 10.12 |
| V7W392-SCC | 62704 | 3.28 | 329972 | 4.56 | 276956 | 10.12 |
| V7W392-SCC | 63803 | 3.28 | 333810 | 4.55 | 275663 | 10.12 |
| V7W392-SCC | 61251 | 3.28 | 323759 | 4.56 | 273041 | 10.12 |
| V7W392-SCC | 55670 | 3.28 | 294531 | 4.55 | 228023 | 10.12 |
| JE1061-10DUP | 45516 | 3.28 | 236865 | 4.56 | 223436 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.22 | 7.49 | 0.697 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.06 | 7.49 | 0.676 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.47 | 7.49 | 0.730 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.99 | 7.49 | 0.666 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.49 | 0.586 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.89 | 9.21 | 0.965 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.40 | 13.48 | 1.142 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.83 | 9.21 | 1.067 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.48 | 1.054 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.49 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.94 | 7.49 | 0.660 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.42 | 7.49 | 0.590 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.83 | 13.48 | 1.249 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.68 | 13.48 | 1.312 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.98 | 13.48 | 1.260 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.65 | 13.48 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.53 | 13.48 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.86 | 7.49 | 0.782 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.48 | 1.177 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.14 | 9.21 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.36 | 13.48 | 0.917 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.21 | 1.271 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 10.07 | 9.21 | 1.093 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.04 | 7.49 | 0.539 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.10 | 13.48 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.62 | 9.21 | 1.045 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.49 | 7.49 | 0.866 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.35 | 7.49 | 0.981 | ok | 0.981 | 0.921-1.041 |
| cis-1,3-Dichloropropene | 10.70 | 9.21 | 1.162 | ok | 1.162 | 1.102-1.222 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.84 | 13.48 | 1.249 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.34 | 13.48 | 1.286 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.93 | 13.48 | 1.256 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.62 | 7.49 | 1.017 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.36 | 9.21 | 1.016 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.86 | 7.49 | 0.649 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.94 | 13.48 | 1.034 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.64 | 7.49 | 1.020 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.72 | 9.21 | 1.055 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.17 | 13.48 | 1.200 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.23 | 7.49 | 0.565 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.49 | 0.674 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.94 | 7.49 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.48 | 1.476 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.48 | 1.345 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 12.05 | 13.48 | 0.894 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.64 | 7.49 | 0.753 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.31 | 13.48 | 1.136 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.42 | 7.49 | 0.724 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.13 | 7.49 | 0.952 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.86 | 9.21 | 1.179 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.83 | 7.49 | 0.912 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.11 | 9.21 | 1.098 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.48 | 1.446 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.88 | 13.48 | 1.104 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.48 | 0.941 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.45 | 7.49 | 0.728 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.91 | 13.48 | 1.180 | ok | 1.179 | 1.119-1.239 |
| Propylene | 4.00 | 7.49 | 0.534 | ok | 0.533 | 0.473-0.593 |
| Styrene | 14.53 | 13.48 | 1.078 | ok | 1.077 | 1.017-1.137 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.47 | 7.49 | 1.131 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.48 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.65 | 13.48 | 1.087 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.36 | 13.48 | 1.436 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.78 | 13.48 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.48 | 1.237 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.17 | 13.48 | 1.200 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.89 | 9.21 | 1.074 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.93 | 7.49 | 0.792 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.48 | 0.952 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.09 | 7.49 | 1.080 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.20 | 7.49 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.31 | 7.49 | 0.575 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.82 | 7.49 | 0.911 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.12 | 13.48 | 1.047 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.65 | 13.48 | 1.087 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.46 | 13.48 | 0.405 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 105684 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 519147 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.48 | ok | 13.49 | 13.16-13.82 | 286700 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.22 | 7.49 | 0.697 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.06 | 7.49 | 0.676 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.47 | 7.49 | 0.730 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.97 | 7.49 | 0.664 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.41 | 7.49 | 0.589 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.90 | 9.21 | 0.966 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.39 | 13.49 | 1.141 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.84 | 9.21 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.22 | 13.49 | 1.054 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.57 | 7.49 | 0.610 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.92 | 7.49 | 0.657 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.43 | 7.49 | 0.591 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.83 | 13.49 | 1.248 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.49 | 1.311 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.98 | 13.49 | 1.259 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.66 | 13.49 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.54 | 13.49 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.97 | 7.49 | 0.530 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.86 | 7.49 | 0.782 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.49 | 1.176 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.13 | 9.21 | 0.991 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.68 | 7.49 | 0.758 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.36 | 13.49 | 0.916 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.21 | 1.271 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 10.06 | 9.21 | 1.092 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.49 | 0.541 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.75 | 7.49 | 0.634 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.10 | 13.49 | 0.897 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.63 | 9.21 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.48 | 7.49 | 0.865 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.34 | 7.49 | 0.980 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.70 | 9.21 | 1.162 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.84 | 13.49 | 1.248 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.33 | 13.49 | 1.285 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.92 | 13.49 | 1.254 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.60 | 7.49 | 1.015 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.36 | 9.21 | 1.016 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.87 | 7.49 | 0.650 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.94 | 13.49 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.64 | 7.49 | 1.020 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.72 | 9.21 | 1.055 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.49 | 1.192 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.49 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.49 | 0.674 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.49 | 1.475 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.49 | 1.344 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 12.05 | 13.49 | 0.893 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.64 | 7.49 | 0.753 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.49 | 1.134 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.42 | 7.49 | 0.724 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.11 | 7.49 | 0.949 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.86 | 9.21 | 1.179 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.82 | 7.49 | 0.911 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.12 | 9.21 | 1.099 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.49 | 1.445 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.89 | 13.49 | 1.104 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.49 | 0.940 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.46 | 7.49 | 0.729 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.90 | 13.49 | 1.179 | ok | 1.179 | 1.119-1.239 |
| Propylene | 4.00 | 7.49 | 0.534 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.49 | 1.076 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.47 | 7.49 | 1.131 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.49 | 1.002 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.64 | 13.49 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.36 | 13.49 | 1.435 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.79 | 13.49 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.49 | 1.236 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.18 | 13.49 | 1.199 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.21 | 1.075 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.93 | 7.49 | 0.792 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.49 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.09 | 7.49 | 1.080 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.87 | 9.21 | 1.072 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.21 | 7.49 | 0.696 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.82 | 7.49 | 0.911 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.13 | 13.49 | 1.047 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.64 | 13.49 | 1.085 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.45 | 13.49 | 0.404 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 103179 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 516349 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.49 | ok | 13.49 | 13.16-13.82 | 280788 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.21 | 7.49 | 0.696 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.06 | 7.49 | 0.676 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.47 | 7.49 | 0.730 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.97 | 7.49 | 0.664 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.40 | 7.49 | 0.587 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.89 | 9.21 | 0.965 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.39 | 13.48 | 1.142 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.84 | 9.21 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.48 | 1.054 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.57 | 7.49 | 0.610 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.93 | 7.49 | 0.658 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.43 | 7.49 | 0.591 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.82 | 13.48 | 1.248 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.48 | 1.312 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.98 | 13.48 | 1.260 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.65 | 13.48 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.54 | 13.48 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.98 | 7.49 | 0.531 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.85 | 7.49 | 0.781 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.48 | 1.177 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.13 | 9.21 | 0.991 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.36 | 13.48 | 0.917 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.21 | 1.271 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 10.05 | 9.21 | 1.091 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.49 | 0.541 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.10 | 13.48 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.63 | 9.21 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.49 | 7.49 | 0.866 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.34 | 7.49 | 0.980 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.71 | 9.21 | 1.163 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.84 | 13.48 | 1.249 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.33 | 13.48 | 1.286 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.92 | 13.48 | 1.255 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.60 | 7.49 | 1.015 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.35 | 9.21 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.86 | 7.49 | 0.649 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.94 | 13.48 | 1.034 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.63 | 7.49 | 1.019 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.72 | 9.21 | 1.055 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.48 | 1.193 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.23 | 7.49 | 0.565 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.06 | 7.49 | 0.676 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.48 | 1.476 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.48 | 1.345 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 12.04 | 13.48 | 0.893 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.64 | 7.49 | 0.753 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.48 | 1.135 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.42 | 7.49 | 0.724 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.10 | 7.49 | 0.948 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.86 | 9.21 | 1.179 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.82 | 7.49 | 0.911 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.11 | 9.21 | 1.098 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.48 | 1.446 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.89 | 13.48 | 1.105 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.48 | 0.941 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.45 | 7.49 | 0.728 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.91 | 13.48 | 1.180 | ok | 1.179 | 1.119-1.239 |
| Propylene | 4.00 | 7.49 | 0.534 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.48 | 1.077 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.48 | 7.49 | 1.132 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.48 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.64 | 13.48 | 1.086 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.37 | 13.48 | 1.437 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.79 | 13.48 | 1.097 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.48 | 1.237 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.17 | 13.48 | 1.200 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.21 | 1.075 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.93 | 7.49 | 0.792 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.82 | 13.48 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.09 | 7.49 | 1.080 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.21 | 7.49 | 0.696 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.81 | 7.49 | 0.909 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.14 | 13.48 | 1.049 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.65 | 13.48 | 1.087 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.46 | 13.48 | 0.405 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 101175 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 497986 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.48 | ok | 13.49 | 13.16-13.82 | 275478 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.21 | 7.49 | 0.696 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.06 | 7.49 | 0.676 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.47 | 7.49 | 0.730 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.97 | 7.49 | 0.664 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.49 | 0.586 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.89 | 9.21 | 0.965 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.39 | 13.48 | 1.142 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.84 | 9.21 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.48 | 1.054 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.49 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.93 | 7.49 | 0.658 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.42 | 7.49 | 0.590 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.82 | 13.48 | 1.248 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.48 | 1.312 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.98 | 13.48 | 1.260 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.65 | 13.48 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.53 | 13.48 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.98 | 7.49 | 0.531 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.01 | 7.49 | 0.535 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.86 | 7.49 | 0.782 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.48 | 1.177 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.14 | 9.21 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.35 | 13.48 | 0.916 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.21 | 1.271 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 10.03 | 9.21 | 1.089 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.49 | 0.541 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.10 | 13.48 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.63 | 9.21 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.48 | 7.49 | 0.865 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.34 | 7.49 | 0.980 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.70 | 9.21 | 1.162 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.84 | 13.48 | 1.249 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.33 | 13.48 | 1.286 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.92 | 13.48 | 1.255 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.60 | 7.49 | 1.015 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.35 | 9.21 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.86 | 7.49 | 0.649 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.93 | 13.48 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.62 | 7.49 | 1.017 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.72 | 9.21 | 1.055 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.48 | 1.193 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.49 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.06 | 7.49 | 0.676 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.48 | 1.476 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.48 | 1.345 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 12.03 | 13.48 | 0.892 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.63 | 7.49 | 0.752 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.48 | 1.135 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.42 | 7.49 | 0.724 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.10 | 7.49 | 0.948 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.85 | 9.21 | 1.178 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.82 | 7.49 | 0.911 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.11 | 9.21 | 1.098 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.48 | 1.446 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.89 | 13.48 | 1.105 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.48 | 0.941 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.46 | 7.49 | 0.729 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.90 | 13.48 | 1.180 | ok | 1.179 | 1.119-1.239 |
| Propylene | 3.99 | 7.49 | 0.533 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.48 | 1.077 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.48 | 7.49 | 1.132 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.48 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.63 | 13.48 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.36 | 13.48 | 1.436 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.78 | 13.48 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.17 | 13.48 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.48 | 1.237 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.17 | 13.48 | 1.200 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.21 | 1.075 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.92 | 7.49 | 0.790 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.82 | 13.48 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.08 | 7.49 | 1.079 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.22 | 7.49 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.81 | 7.49 | 0.909 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.14 | 13.48 | 1.049 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.64 | 13.48 | 1.086 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.46 | 13.48 | 0.405 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 100841 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 496113 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.48 | ok | 13.49 | 13.16-13.82 | 270308 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.16 | 7.49 | 0.689 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.03 | 7.49 | 0.672 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.44 | 7.49 | 0.726 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.95 | 7.49 | 0.661 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.49 | 0.586 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.90 | 9.21 | 0.966 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.39 | 13.49 | 1.141 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.84 | 9.21 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.49 | 1.053 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.49 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.93 | 7.49 | 0.658 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.43 | 7.49 | 0.591 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.82 | 13.49 | 1.247 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.49 | 1.311 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.98 | 13.49 | 1.259 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.65 | 13.49 | 1.234 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.53 | 13.49 | 1.003 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.98 | 7.49 | 0.531 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.86 | 7.49 | 0.782 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.85 | 13.49 | 1.175 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.14 | 9.21 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.35 | 13.49 | 0.915 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.70 | 9.21 | 1.270 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 9.97 | 9.21 | 1.083 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.49 | 0.541 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.10 | 13.49 | 0.897 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.63 | 9.21 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.49 | 7.49 | 0.866 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.35 | 7.49 | 0.981 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.71 | 9.21 | 1.163 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.84 | 13.49 | 1.248 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.33 | 13.49 | 1.285 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.92 | 13.49 | 1.254 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.55 | 7.49 | 1.008 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.35 | 9.21 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.82 | 7.49 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.93 | 13.49 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.58 | 7.49 | 1.012 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.69 | 9.21 | 1.052 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.49 | 1.192 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.49 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.49 | 0.674 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.49 | 1.475 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.49 | 1.344 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 12.00 | 13.49 | 0.890 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.64 | 7.49 | 0.753 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.49 | 1.134 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.37 | 7.49 | 0.717 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.04 | 7.49 | 0.940 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.81 | 9.21 | 1.174 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.76 | 7.49 | 0.903 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.09 | 9.21 | 1.096 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.49 | 1.445 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.89 | 13.49 | 1.104 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.49 | 0.940 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.46 | 7.49 | 0.729 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.90 | 13.49 | 1.179 | ok | 1.179 | 1.119-1.239 |
| Propylene | 4.00 | 7.49 | 0.534 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.49 | 1.076 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.47 | 7.49 | 1.131 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.49 | 1.002 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.63 | 13.49 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.36 | 13.49 | 1.435 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.78 | 13.49 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.49 | 1.236 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.17 | 13.49 | 1.199 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.21 | 1.075 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.86 | 7.49 | 0.782 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.49 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.03 | 7.49 | 1.072 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.22 | 7.49 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.78 | 7.49 | 0.905 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.12 | 13.49 | 1.047 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.64 | 13.49 | 1.085 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.45 | 13.49 | 0.404 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 104691 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 519097 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.49 | ok | 13.49 | 13.16-13.82 | 297860 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.13 | 7.49 | 0.685 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.02 | 7.49 | 0.670 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.44 | 7.49 | 0.726 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.94 | 7.49 | 0.660 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.49 | 0.586 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.89 | 9.21 | 0.965 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.39 | 13.49 | 1.141 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.84 | 9.21 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.49 | 1.053 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.49 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.92 | 7.49 | 0.657 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.42 | 7.49 | 0.590 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.82 | 13.49 | 1.247 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.49 | 1.311 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.99 | 13.49 | 1.259 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.66 | 13.49 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.53 | 13.49 | 1.003 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.97 | 7.49 | 0.530 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.60 | 7.49 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.15 | 7.49 | 0.554 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.85 | 7.49 | 0.781 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.49 | 1.176 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.14 | 9.21 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.65 | 7.49 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.35 | 13.49 | 0.915 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.70 | 9.21 | 1.270 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 9.96 | 9.21 | 1.081 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.04 | 7.49 | 0.539 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.11 | 13.49 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.63 | 9.21 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.48 | 7.49 | 0.865 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.35 | 7.49 | 0.981 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.71 | 9.21 | 1.163 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.84 | 13.49 | 1.248 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.33 | 13.49 | 1.285 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.93 | 13.49 | 1.255 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.53 | 7.49 | 1.005 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.35 | 9.21 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.80 | 7.49 | 0.641 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.93 | 13.49 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.56 | 7.49 | 1.009 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.68 | 9.21 | 1.051 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.49 | 1.192 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.49 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.49 | 0.674 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.14 | 9.21 | 1.101 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.49 | 1.475 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.49 | 1.344 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 11.99 | 13.49 | 0.889 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.63 | 7.49 | 0.752 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.49 | 1.134 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.35 | 7.49 | 0.714 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.02 | 7.49 | 0.937 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.80 | 9.21 | 1.173 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.74 | 7.49 | 0.900 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.08 | 9.21 | 1.094 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.49 | 1.445 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.89 | 13.49 | 1.104 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.49 | 0.940 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.45 | 7.49 | 0.728 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.90 | 13.49 | 1.179 | ok | 1.179 | 1.119-1.239 |
| Propylene | 3.99 | 7.49 | 0.533 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.49 | 1.076 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.47 | 7.49 | 1.131 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.49 | 1.002 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.64 | 13.49 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.37 | 13.49 | 1.436 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.78 | 13.49 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.49 | 1.236 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.17 | 13.49 | 1.199 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.89 | 9.21 | 1.074 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.83 | 7.49 | 0.778 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.49 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 8.00 | 7.49 | 1.068 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.21 | 7.49 | 0.696 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.77 | 7.49 | 0.904 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.14 | 13.49 | 1.048 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.64 | 13.49 | 1.085 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.45 | 13.49 | 0.404 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 104992 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 532628 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.49 | ok | 13.49 | 13.16-13.82 | 319579 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.13 | 7.49 | 0.685 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.02 | 7.49 | 0.670 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.44 | 7.49 | 0.726 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.93 | 7.49 | 0.658 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.49 | 0.586 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.90 | 9.21 | 0.966 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.40 | 13.49 | 1.142 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.85 | 9.21 | 1.069 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.21 | 13.49 | 1.053 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.49 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.93 | 7.49 | 0.658 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.43 | 7.49 | 0.591 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.83 | 13.49 | 1.248 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.49 | 1.311 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.99 | 13.49 | 1.259 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.66 | 13.49 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.49 | 0.802 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.54 | 13.49 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.98 | 7.49 | 0.531 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.49 | 0.626 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.49 | 0.534 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.61 | 7.49 | 1.016 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.49 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.85 | 7.49 | 0.781 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.49 | 1.176 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.49 | 1.206 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.14 | 9.21 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.66 | 7.49 | 0.889 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.49 | 0.757 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.36 | 13.49 | 0.916 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.25 | 7.49 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.21 | 1.049 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.21 | 1.271 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 9.93 | 9.21 | 1.078 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.49 | 0.541 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.49 | 0.633 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.11 | 13.49 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.64 | 9.21 | 1.047 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.49 | 7.49 | 0.866 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.35 | 7.49 | 0.981 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.71 | 9.21 | 1.163 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.85 | 13.49 | 1.249 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.34 | 13.49 | 1.285 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.93 | 13.49 | 1.255 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.21 | 1.219 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.53 | 7.49 | 1.005 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.35 | 9.21 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.28 | 7.49 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.79 | 7.49 | 0.640 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.94 | 13.49 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.55 | 7.49 | 1.008 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.67 | 9.21 | 1.050 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.08 | 13.49 | 1.192 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.49 | 0.794 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.49 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.49 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.49 | 0.670 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.49 | 0.674 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.49 | 0.553 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.49 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.15 | 9.21 | 1.102 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.90 | 13.49 | 1.475 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.49 | 1.344 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.50 | 7.49 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 11.99 | 13.49 | 0.889 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.63 | 7.49 | 0.752 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.30 | 13.49 | 1.134 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.33 | 7.49 | 0.712 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.49 | 0.769 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.01 | 7.49 | 0.936 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.78 | 9.21 | 1.170 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.73 | 7.49 | 0.899 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.08 | 9.21 | 1.094 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.49 | 1.445 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.90 | 13.49 | 1.105 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.68 | 13.49 | 0.940 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.45 | 7.49 | 0.728 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.91 | 13.49 | 1.179 | ok | 1.179 | 1.119-1.239 |
| Propylene | 3.99 | 7.49 | 0.533 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | Reporting this level |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.52 | 13.49 | 1.076 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.48 | 7.49 | 1.132 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.52 | 13.49 | 1.002 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.64 | 13.49 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.40 | 9.21 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.37 | 13.49 | 1.436 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.78 | 13.49 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.49 | 1.274 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.67 | 13.49 | 1.236 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.18 | 13.49 | 1.199 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.21 | 1.075 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.79 | 7.49 | 0.773 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.49 | 0.951 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 7.99 | 7.49 | 1.067 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.21 | 1.268 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.21 | 1.073 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.21 | 7.49 | 0.696 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.49 | 0.574 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.77 | 7.49 | 0.904 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.14 | 13.49 | 1.048 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.64 | 13.49 | 1.085 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.45 | 13.49 | 0.404 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.49 | ok | 7.49 | 7.16-7.82 | 104948 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.21 | ok | 9.21 | 8.88-9.54 | 544279 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.49 | ok | 13.49 | 13.16-13.82 | 359442 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 5.11 | 7.50 | 0.681 | ok | 0.691 | 0.631-0.751 |
| Acrolein | 5.02 | 7.50 | 0.669 | ok | 0.673 | 0.613-0.733 |
| Acrylonitrile | 5.44 | 7.50 | 0.725 | ok | 0.728 | 0.668-0.788 |
| Acetonitrile | 4.92 | 7.50 | 0.656 | ok | 0.661 | 0.601-0.721 |
| 1,3-Butadiene | 4.39 | 7.50 | 0.585 | ok | 0.587 | 0.527-0.647 |
| Benzene | 8.90 | 9.22 | 0.965 | ok | 0.966 | 0.906-1.026 |
| Bromobenzene | 15.41 | 13.50 | 1.141 | ok | 1.141 | 1.081-1.201 |
| Bromodichloromethane | 9.85 | 9.22 | 1.068 | ok | 1.068 | 1.008-1.128 |
| Bromoform | 14.22 | 13.50 | 1.053 | ok | 1.054 | 0.994-1.114 |
| Bromomethane | 4.58 | 7.50 | 0.611 | ok | 0.611 | 0.551-0.671 |
| Bromoethene | 4.92 | 7.50 | 0.656 | ok | 0.658 | 0.598-0.718 |
| n-Butane | 4.43 | 7.50 | 0.591 | ok | 0.591 | 0.531-0.651 |
| Benzyl Chloride | 16.84 | 13.50 | 1.247 | ok | 1.248 | 1.188-1.308 |
| n-Butylbenzene | 17.69 | 13.50 | 1.310 | ok | 1.311 | 1.251-1.371 |
| sec-Butylbenzene | 16.99 | 13.50 | 1.259 | ok | 1.259 | 1.199-1.319 |
| tert-Butylbenzene | 16.67 | 13.50 | 1.235 | ok | 1.235 | 1.175-1.295 |
| Carbon disulfide | 6.01 | 7.50 | 0.801 | ok | 0.802 | 0.742-0.862 |
| Chlorobenzene | 13.55 | 13.50 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.98 | 7.50 | 0.531 | ok | 0.531 | 0.471-0.591 |
| Chloroethane | 4.69 | 7.50 | 0.625 | ok | 0.626 | 0.566-0.686 |
| Chlorotrifluoroethene | 4.00 | 7.50 | 0.533 | ok | 0.534 | 0.474-0.594 |
| Chloroform | 7.61 | 7.50 | 1.015 | ok | 1.015 | 0.955-1.075 |
| Chloromethane | 4.16 | 7.50 | 0.555 | ok | 0.555 | 0.495-0.615 |
| 3-Chloropropene | 5.85 | 7.50 | 0.780 | ok | 0.782 | 0.722-0.842 |
| 2-Chlorotoluene | 15.86 | 13.50 | 1.175 | ok | 1.176 | 1.116-1.236 |
| Carbon tetrachloride | 9.03 | 7.50 | 1.204 | ok | 1.205 | 1.145-1.265 |
| Cyclohexane | 9.15 | 9.22 | 0.992 | ok | 0.992 | 0.932-1.052 |
| 1,1-Dichloroethane | 6.66 | 7.50 | 0.888 | ok | 0.888 | 0.828-0.948 |
| 1,1-Dichloroethylene | 5.67 | 7.50 | 0.756 | ok | 0.757 | 0.697-0.817 |
| 1,2-Dibromoethane (EDB) | 12.36 | 13.50 | 0.916 | ok | 0.916 | 0.856-0.976 |
| 1,2-Dichloroethane | 8.26 | 7.50 | 1.101 | ok | 1.101 | 1.041-1.161 |
| 1,2-Dichloropropane | 9.66 | 9.22 | 1.048 | ok | 1.049 | 0.989-1.109 |
| 1,3-Dichloropropane | 11.71 | 9.22 | 1.270 | ok | 1.271 | 1.211-1.331 |
| 1,4-Dioxane | 9.92 | 9.22 | 1.076 | ok | 1.085 | 1.025-1.145 |
| Dichlorodifluoromethane | 4.05 | 7.50 | 0.540 | ok | 0.540 | 0.480-0.600 |
| Dichlorofluoromethane | 4.74 | 7.50 | 0.632 | ok | 0.633 | 0.573-0.693 |
| Dibromochloromethane | 12.12 | 13.50 | 0.898 | ok | 0.897 | 0.837-0.957 |
| Dibromomethane | 9.64 | 9.22 | 1.046 | ok | 1.046 | 0.986-1.106 |
| trans-1,2-Dichloroethylene | 6.49 | 7.50 | 0.865 | ok | 0.866 | 0.806-0.926 |
| cis-1,2-Dichloroethylene | 7.35 | 7.50 | 0.980 | ok | 0.981 | 0.921-1.041 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 10.72 | 9.22 | 1.163 | ok | 1.162 | 1.102-1.222 |
| m-Dichlorobenzene | 16.85 | 13.50 | 1.248 | ok | 1.249 | 1.189-1.309 |
| o-Dichlorobenzene | 17.34 | 13.50 | 1.284 | ok | 1.285 | 1.225-1.345 |
| p-Dichlorobenzene | 16.93 | 13.50 | 1.254 | ok | 1.255 | 1.195-1.315 |
| trans-1,3-Dichloropropene | 11.23 | 9.22 | 1.218 | ok | 1.219 | 1.159-1.279 |
| Di-Isopropyl ether | 7.52 | 7.50 | 1.003 | ok | 1.010 | 0.950-1.070 |
| 2,3-Dimethylpentane | 9.36 | 9.22 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2,4-Dimethylpentane | 8.29 | 7.50 | 1.105 | ok | 1.105 | 1.045-1.165 |
| Ethanol | 4.79 | 7.50 | 0.639 | ok | 0.645 | 0.585-0.705 |
| Ethylbenzene | 13.94 | 13.50 | 1.033 | ok | 1.033 | 0.973-1.093 |
| Ethyl Acetate | 7.55 | 7.50 | 1.007 | ok | 1.014 | 0.954-1.074 |
| Ethyl Acrylate | 9.67 | 9.22 | 1.049 | ok | 1.053 | 0.993-1.113 |
| 4-Ethyltoluene | 16.09 | 13.50 | 1.192 | ok | 1.193 | 1.133-1.253 |
| Freon 113 | 5.95 | 7.50 | 0.793 | ok | 0.794 | 0.734-0.854 |
| Freon 114 | 4.22 | 7.50 | 0.563 | ok | 0.564 | 0.504-0.624 |
| Freon 115 | 3.87 | 7.50 | 0.516 | ok | 0.517 | 0.457-0.577 |
| Freon 123 | 5.02 | 7.50 | 0.669 | ok | 0.670 | 0.610-0.730 |
| Freon 123A | 5.05 | 7.50 | 0.673 | ok | 0.674 | 0.614-0.734 |
| Freon 142B | 4.14 | 7.50 | 0.552 | ok | 0.553 | 0.493-0.613 |
| Freon 152A | 3.95 | 7.50 | 0.527 | ok | 0.527 | 0.467-0.587 |
| Heptane | 10.16 | 9.22 | 1.102 | ok | 1.101 | 1.041-1.161 |
| Hexachlorobutadiene | 19.91 | 13.50 | 1.475 | ok | 1.476 | 1.416-1.536 |
| Hexachloroethane | 18.13 | 13.50 | 1.343 | ok | 1.344 | 1.284-1.404 |
| Hexane | 7.51 | 7.50 | 1.001 | ok | 1.001 | 0.941-1.061 |
| 2-Hexanone | 11.98 | 13.50 | 0.887 | ok | 0.891 | 0.831-0.951 |
| Iodomethane | 5.63 | 7.50 | 0.751 | ok | 0.752 | 0.692-0.812 |
| Isopropylbenzene | 15.31 | 13.50 | 1.134 | ok | 1.135 | 1.075-1.195 |
| Isopropyl Alcohol | 5.31 | 7.50 | 0.708 | ok | 0.718 | 0.658-0.778 |
| p-Isopropyltoluene | 17.19 | 13.50 | 1.273 | ok | 1.274 | 1.214-1.334 |
| Methylene chloride | 5.76 | 7.50 | 0.768 | ok | 0.769 | 0.709-0.829 |
| Methyl ethyl ketone | 7.01 | 7.50 | 0.935 | ok | 0.943 | 0.883-1.003 |
| Methyl Isobutyl Ketone | 10.78 | 9.22 | 1.169 | ok | 1.175 | 1.115-1.235 |
| Methyl Tert Butyl Ether | 6.72 | 7.50 | 0.896 | ok | 0.905 | 0.845-0.965 |
| Methylmethacrylate | 10.08 | 9.22 | 1.093 | ok | 1.096 | 1.036-1.156 |
| Naphthalene | 19.49 | 13.50 | 1.444 | ok | 1.445 | 1.385-1.505 |
| Nonane | 14.90 | 13.50 | 1.104 | ok | 1.104 | 1.044-1.164 |
| Octane | 12.69 | 13.50 | 0.940 | ok | 0.940 | 0.880-1.000 |
| Pentane | 5.45 | 7.50 | 0.727 | ok | 0.728 | 0.668-0.788 |
| n-Propylbenzene | 15.91 | 13.50 | 1.179 | ok | 1.179 | 1.119-1.239 |
| Propylene | 3.99 | 7.50 | 0.532 | ok | 0.533 | 0.473-0.593 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | BK | 0.04 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | BK | 0.1 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | BK | 0.2 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | BK | 0.5 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | BK | 5 | GCMS3W | TO-15 | |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | BK | 10 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | BK | 20 | GCMS3W | TO-15 | |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | BK | 40 | GCMS3W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 14.53 | 13.50 | 1.076 | ok | 1.077 | 1.017-1.137 |
| 1,1,1-Trichloroethane | 8.48 | 7.50 | 1.131 | ok | 1.131 | 1.071-1.191 |
| 1,1,1,2-Tetrachloroethane | 13.53 | 13.50 | 1.002 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 14.65 | 13.50 | 1.085 | ok | 1.085 | 1.025-1.145 |
| 1,1,2-Trichloroethane | 11.41 | 9.22 | 1.238 | ok | 1.238 | 1.178-1.298 |
| 1,2,4-Trichlorobenzene | 19.37 | 13.50 | 1.435 | ok | 1.436 | 1.376-1.496 |
| 1,2,3-Trichloropropane | 14.79 | 13.50 | 1.096 | ok | 1.096 | 1.036-1.156 |
| 1,2,3-Trimethylbenzene | 17.18 | 13.50 | 1.273 | ok | 1.274 | 1.214-1.334 |
| 1,2,4-Trimethylbenzene | 16.68 | 13.50 | 1.236 | ok | 1.236 | 1.176-1.296 |
| 1,3,5-Trimethylbenzene | 16.19 | 13.50 | 1.199 | ok | 1.199 | 1.139-1.259 |
| 2,2,4-Trimethylpentane | 9.90 | 9.22 | 1.074 | ok | 1.075 | 1.015-1.135 |
| Tertiary Butyl Alcohol | 5.77 | 7.50 | 0.769 | ok | 0.784 | 0.724-0.844 |
| Tetrachloroethylene | 12.83 | 13.50 | 0.950 | ok | 0.951 | 0.891-1.011 |
| Tetrahydrofuran | 7.98 | 7.50 | 1.064 | ok | 1.074 | 1.014-1.134 |
| Toluene | 11.68 | 9.22 | 1.267 | ok | 1.268 | 1.208-1.328 |
| Trichloroethylene | 9.88 | 9.22 | 1.072 | ok | 1.072 | 1.012-1.132 |
| Trichlorofluoromethane | 5.21 | 7.50 | 0.695 | ok | 0.696 | 0.636-0.756 |
| Vinyl chloride | 4.30 | 7.50 | 0.573 | ok | 0.574 | 0.514-0.634 |
| Vinyl Acetate | 6.77 | 7.50 | 0.903 | ok | 0.907 | 0.847-0.967 |
| m,p-Xylene | 14.14 | 13.50 | 1.047 | ok | 1.048 | 0.988-1.108 |
| o-Xylene | 14.65 | 13.50 | 1.085 | ok | 1.086 | 1.026-1.146 |
| TVHC As Equiv Pentane | 5.45 | 13.50 | 0.404 | ok | 0.404 | 0.344-0.464 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.50 | ok | 7.49 | 7.16-7.82 | 107057 | ok | 104071 | 62443-145699 |
| 1,4-Difluorobenzene | 9.22 | ok | 9.21 | 8.88-9.54 | 556434 | ok | 522754 | 313652-731856 |
| Chlorobenzene-D5 | 13.50 | ok | 13.49 | 13.16-13.82 | 430828 | ok | 315123 | 189074-441172 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,3-Butadiene | 4.04 | 7.66 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoethene | 4.63 | 7.66 | 0.604 | ok | 0.602 | 0.542-0.662 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.66 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.66 | 1.020 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.66 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.56 | 15.35 | 1.209 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.69 | 9.83 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.66 | 0.717 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.85 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.03 | 9.83 | 1.326 | ok | 1.323 | 1.263-1.383 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.35 | 9.83 | 1.053 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.66 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.49 | 7.66 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.76 | 9.83 | 1.196 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.42 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.44 | 9.83 | 1.266 | ok | 1.263 | 1.203-1.323 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.97 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.66 | 0.491 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.83 | 1.123 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl Tert Butyl Ether | 6.81 | 7.66 | 0.889 | ok | 0.879 | 0.819-0.939 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.78 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.93 | 15.35 | 1.103 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.63 | 9.83 | 1.285 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.66 | 7.66 | 0.739 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Toluene | 12.98 | 9.83 | 1.320 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.66 | 0.646 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 339655 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1562017 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 815644 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.74 | 7.67 | 0.618 | ok | 0.615 | 0.555-0.675 |
| Acetonitrile | 4.65 | 7.67 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.04 | 7.67 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.86 | 7.67 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.59 | 7.67 | 0.468 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.67 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.67 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.71 | 7.67 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.83 | 0.988 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.80 | 9.83 | 1.099 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.43 | 7.67 | 0.578 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.67 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.78 | 7.67 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.83 | 7.67 | 1.021 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.50 | 9.83 | 1.068 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.83 | 7.67 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.67 | 0.502 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.67 | 0.618 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.79 | 7.67 | 0.625 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.67 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.45 | 15.35 | 0.876 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.67 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.16 | 7.67 | 0.934 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.89 | 9.83 | 1.210 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.79 | 7.67 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.99 | 9.83 | 1.118 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.24 | 7.67 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.61 | 7.67 | 0.471 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.77 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.65 | 7.67 | 0.737 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.37 | 7.67 | 1.091 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 333430 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1533309 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 804190 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.86 | 7.66 | 0.634 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.64 | 7.66 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.39 | 9.83 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.66 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.78 | 9.83 | 1.097 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.77 | 7.66 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.81 | 7.66 | 1.020 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.48 | 9.83 | 1.066 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.66 | 0.503 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.66 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.43 | 15.35 | 0.875 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.66 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.14 | 7.66 | 0.932 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.87 | 9.83 | 1.208 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.78 | 7.66 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.98 | 9.83 | 1.117 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.64 | 7.66 | 0.736 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.34 | 7.66 | 1.089 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.84 | 7.66 | 0.893 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 334972 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1532765 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 812540 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.85 | 7.66 | 0.633 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.63 | 7.66 | 0.604 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.75 | 9.83 | 1.094 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.83 | 1.263 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.75 | 7.66 | 1.012 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.48 | 7.66 | 0.585 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.79 | 7.66 | 1.017 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.46 | 9.83 | 1.064 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.66 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.41 | 15.35 | 0.874 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.08 | 7.66 | 0.663 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.66 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.11 | 7.66 | 0.928 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.85 | 9.83 | 1.205 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.76 | 7.66 | 0.883 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.97 | 9.83 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.62 | 7.66 | 0.734 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.31 | 7.66 | 1.085 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.83 | 7.66 | 0.892 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 330769 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1512302 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 803446 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.83 | 7.67 | 0.630 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.90 | 15.35 | 1.166 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.00 | 9.83 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.69 | 9.83 | 1.087 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.67 | 0.476 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.66 | 7.67 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.76 | 7.67 | 1.012 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.67 | 0.451 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.37 | 15.35 | 0.871 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.04 | 7.67 | 0.657 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.26 | 15.35 | 1.320 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.67 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.80 | 9.83 | 1.200 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.56 | 7.67 | 0.725 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.26 | 7.67 | 1.077 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.67 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 327920 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1483978 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 823417 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.67 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.67 | 0.716 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.83 | 1.323 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.83 | 1.085 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.67 | 1.010 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.67 | 0.656 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.83 | 1.199 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.67 | 0.724 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.24 | 7.67 | 1.074 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 339202 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1511260 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 875250 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.84 | 1.084 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.84 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.68 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.84 | 1.282 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.84 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 342882 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1466721 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 922805 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.02 | 7.68 | 0.523 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.22 | 7.68 | 0.549 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.06 | 7.68 | 0.529 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.57 | 7.68 | 0.465 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.60 | 7.68 | 0.469 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.68 | 0.741 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.68 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.66 | 9.84 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.68 | 0.475 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.41 | 7.68 | 0.574 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.71 | 7.68 | 1.004 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.84 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.54 | 7.68 | 0.461 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.70 | 7.68 | 0.872 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.59 | 7.68 | 0.467 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.84 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.84 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.68 | 0.643 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 341329 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1382725 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1000073 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.21 | 7.68 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.41 | 9.85 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.62 | 9.85 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.85 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.85 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.85 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.85 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.85 | 1.050 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.68 | 0.841 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 11.74 | 9.85 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.85 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.85 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.85 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.74 | 7.68 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.85 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.85 | 1.197 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.85 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.85 | 1.281 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.25 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.70 | 9.85 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.68 | 0.723 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.85 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.66 | 9.85 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 363096 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.85 | ok | 9.83 | 9.50-10.16 | 1435494 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1087902 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.66 | 10.12 | 1.646 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.53 | 3.27 | 0.774 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.19 | 10.12 | 1.007 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.68 | 3.27 | 0.514 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.88 | 4.55 | 1.073 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.72 | 10.12 | 1.553 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.13 | 3.27 | 0.651 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.90 | 4.55 | 1.736 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.88 | 3.27 | 0.881 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.45 | 4.55 | 1.198 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.31 | 3.27 | 0.706 | ok | 0.704 | 0.644-0.764 |
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.60 | 3.27 | 1.101 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.43 | 10.12 | 1.228 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.31 | 10.12 | 0.228 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 86358 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 435174 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 379594 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.10 | 3.27 | 0.642 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.31 | 10.12 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.74 | 3.27 | 0.532 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.24 | 4.55 | 1.152 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.35 | 3.27 | 1.024 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.29 | 10.12 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.73 | 10.12 | 1.258 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.59 | 3.27 | 1.098 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 83993 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 426374 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 372534 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.06 | 3.27 | 0.630 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.22 | 4.55 | 1.147 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.22 | 4.55 | 1.367 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.12 | 1.513 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81591 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 417480 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 367012 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.13 | 4.55 | 1.787 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.21 | 4.55 | 1.145 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.64 | 3.27 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.88 | 4.55 | 1.732 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.20 | 4.55 | 1.363 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.44 | 3.27 | 0.746 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.18 | 3.27 | 0.667 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 79966 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410941 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 362110 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.16 | 4.55 | 1.134 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.86 | 4.55 | 1.727 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.22 | 3.27 | 0.679 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.43 | 3.27 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81466 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410025 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 361102 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.15 | 4.55 | 1.132 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.42 | 3.27 | 0.740 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 76492 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 388370 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 349697 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.12 | 1.367 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.12 | 1.685 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.12 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.12 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78951 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 399337 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 358279 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.13 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.13 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.13 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.13 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 77284 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 380992 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 341287 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.84 | 10.13 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.35 | 3.27 | 1.024 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.97 | 10.13 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.86 | 4.55 | 1.068 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.76 | 10.13 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.46 | 10.13 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78494 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 389657 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 345790 | ok | 359712 | 215827-503597 |

# Surrogate Recovery Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| JE2487-1 | 5W55768.D | 124 |
| JE2487-1 | 5W55827.D | 111 |
| JE2487-2 | 5W55673.D | 110 |
| JE2487-2 | 5W55724.D | 110 |
| JE2487-3 | 5W55769.D | 110 |
| JE2487-4 | 5W55674.D | 113 |
| JE2487-4 | 5W55725.D | 110 |
| JE2487-5 | 5W55770.D | 120 |
| JE2487-5 | 5W55828.D | 109 |
| JE2487-6 | 5W55676.D | 111 |
| JE2487-6 | 5W55771.D | 111 |
| JE2315-1DUP | 5W55826.D | 109 |
| JE2487-4DUP | 5W55675.D | 114 |
| JE2488-2DUP | 5W55717.D | 106 |
| JE2666-1DUP | 5W55764.D | 117 |
| V3W3503-SCC | 3W88797.D | 93 |
| V5W2132-BS | 5W55665.D | 98 |
| V5W2132-BSD | 5W55666.D | 100 |
| V5W2132-MB | 5W55670.D | 113 |
| V5W2133-BS | 5W55701.D | 100 |
| V5W2133-BSD | 5W55703.D | 99 |
| V5W2133-MB | 5W55706.D | 110 |
| V5W2135-BS | 5W55753.D | 99 |
| V5W2135-BSD | 5W55754.D | 97 |
| V5W2135-MB | 5W55756.D | 109 |
| V5W2138-BS | 5W55820.D | 101 |
| V5W2138-BSD | 5W55821.D | 100 |
| V5W2138-MB | 5W55823.D | 109 |
| V7W379-SCC | 7W10315.D | 93 |
| V7W387-SCC | 7W10605.D | 85 |
| V7W392-SCC | 7W10777.D | 100 |
| V3W3503-BS | 3W88780.D | 95 |
| V3W3503-BSD | 3W88781.D | 94 |
| V3W3503-MB | 3W88783.D | 96 |
| V7W379-BS | 7W10300.D | 96 |
| V7W379-BSD | 7W10301.D | 96 |
| V7W379-MB | 7W10303.D | 94 |
| V7W387-BS | 7W10577.D | 93 |
| V7W387-BSD | 7W10578.D | 94 |
| V7W387-MB | 7W10580.D | 88 |

# Surrogate Recovery Summary

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| V7W392-BS | 7W10744.D | 98 |
| V7W392-BSD | 7W10745.D | 99 |
| V7W392-MB | 7W10747.D | 94 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = 4-Bromofluorobenzene | 65-128% |

# Initial Calibration Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V3W3499-ICC3499
**Lab FileID:** 3W88662.D

Response Factor Report GCMS-3W

Method : C:\msdchem\1\METHODS\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Calibration Files
0.04=3w88655.D 0.1 =3w88656.D 0.2 =3w88657.D 0.5 =3w88659.D
5 =3w88661.D 10 =3w88662.D 20 =3w88663.D 40 =3w88664.D
50 =3w88665.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.733 | 1.560 | 1.596 | 1.709 | 1.754 | 1.763 | 1.849 | 1.633 | | 1.700 | 5.68 |
| 3) FREON 152A | 0.736 | 0.814 | 0.830 | 0.856 | 0.840 | 0.876 | 0.921 | 0.946 | | 0.852 | 7.64 |
| 4) CHLORODIFLUOROMETHANE | 0.424 | 0.509 | 0.534 | 0.537 | 0.536 | 0.560 | 0.567 | | | 0.524 | 9.15 |
| 5) CHLOROTRIFLUOROETHENE | 1.552 | 1.649 | 1.599 | 1.682 | 1.698 | 1.706 | 1.767 | 1.835 | | 1.686 | 5.32 |
| 6) DICHLORODIFLUOROMETHANE | 4.794 | 4.652 | 4.466 | 4.950 | 5.096 | 5.086 | 5.267 | 5.380 | | 4.961 | 6.24 |
| 7) PROPYLENE | 1.563 | 1.676 | 1.572 | 1.534 | 1.600 | 1.580 | 1.628 | 1.591 | | 1.593 | 2.73 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.211 | 4.451 | 4.532 | 4.360 | 4.413 | 4.418 | 4.535 | 4.583 | | 4.438 | 2.66 |
| 9) FREON 114 | 2.849 | 3.107 | 3.012 | 3.223 | 3.282 | 3.320 | 3.504 | 3.629 | | 3.241 | 7.84 |
| 10) CHLOROMETHANE | 0.334 | 0.591 | 0.507 | 0.502 | 0.484 | 0.501 | 0.514 | 0.524 | | 0.495 | 14.61 |
| 11) VINYL CHLORIDE | 1.217 | 1.412 | 1.282 | 1.300 | 1.291 | 1.326 | 1.418 | 1.487 | | 1.342 | 6.65 |
| 12) 1,3-BUTADIENE | 1.167 | 1.169 | 0.981 | 1.018 | 1.000 | 1.012 | 1.097 | 1.130 | | 1.072 | 7.26 |
| 13) n-BUTANE | 2.911 | 2.812 | 2.193 | 2.039 | 2.012 | 1.987 | 2.077 | 2.102 | | 2.267 | 16.47 |
| 14) BROMOMETHANE | 1.496 | 1.281 | 1.244 | 1.080 | 1.042 | 1.039 | 1.099 | 1.173 | | 1.182 | 13.18 |
| 15) CHLOROETHANE | 0.425 | 0.655 | 0.544 | 0.547 | 0.559 | 0.569 | 0.592 | 0.630 | | 0.565 | 12.23 |
| 16) DICHLOROFLUOROMETHANE | 3.350 | 3.058 | 3.099 | 2.963 | 2.983 | 2.987 | 3.107 | 3.246 | | 3.099 | 4.41 |
| 17) ACETONITRILE | 1.751 | 1.331 | 1.169 | 1.100 | 1.072 | 1.079 | 1.107 | | | 1.230 | 20.07 |
| 18) ACROLEIN | 0.647 | 0.756 | 0.604 | 0.533 | 0.542 | 0.538 | 0.560 | 0.580 | | 0.595 | 12.69 |
| 19) FREON 123 | 2.952 | 2.917 | 2.665 | 2.741 | 2.685 | 2.683 | 2.797 | 2.945 | | 2.798 | 4.41 |
| 20) FREON 123A | 1.452 | 1.563 | 1.554 | 1.609 | 1.593 | 1.592 | 1.652 | 1.737 | | 1.594 | 5.13 |
| 21) TRICHLOROFLUOROMETHANE | 4.544 | 4.681 | 4.825 | 4.754 | 4.601 | 4.597 | 4.696 | 4.777 | | 4.684 | 2.10 |
| 22) ISOPROPYL ALCOHOL | 6.537 | 4.837 | 3.865 | 3.029 | 2.972 | 3.008 | 3.012 | | | 3.894 | 34.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                1.109 0.946 0.670 0.607 0.611 0.635 0.654         0.748   26.51
24)  PENTANE
                2.250 1.869 1.660 1.332 1.305 1.313 1.310         1.577   23.43
25)  IODOMETHANE
          2.781 3.029 3.102 2.982 2.989 3.000 3.093 3.217         3.024    4.16
26)  1,1-DICHLOROETHYLENE
          1.158 1.097 1.036 1.007 1.021 1.028 1.068 1.107         1.066    4.89
27)  CARBON DISULFIDE
          3.343 3.819 3.661 3.411 3.509 3.505 3.651 3.719         3.577    4.52
28)  ETHANOL
                            1.374 0.723 0.710 0.745 0.754         0.861   33.35
29)  BROMOETHENE
          0.940 1.055 1.099 0.949 1.025 1.031 1.089 1.160         1.043    7.15
30)  ACRYLONITRILE
          1.437 1.287 1.248 1.070 0.898 0.890 0.911 0.925         1.083   19.73
31)  METHYLENE CHLORIDE
                1.697 1.445 1.085 0.910 0.922 0.941 0.975         1.139   27.16
32)  3-CHLOROPROPENE
          0.372 0.520 0.558 0.537 0.523 0.518 0.536 0.559         0.515   11.67
33)  FREON 113
          2.167 2.168 2.154 2.149 2.118 2.089 2.196 2.259         2.162    2.35
34)  TRANS-1,2-DICHLOROETHYLENE
          1.199 1.373 1.255 1.336 1.319 1.323 1.331 1.317         1.306    4.16
35)  TERTIARY BUTYL ALCOHOL
          3.343 3.667 3.596 3.501 3.501 3.405 3.498 3.557         3.508    2.92
36)  METHYL TERTIARY BUTYL ETHER
          4.895 4.280 4.459 4.244 4.406 4.424 4.459 4.380         4.443    4.48
37)  TETRAHYDROFURAN
          0.484 0.582 0.568 0.562 0.635 0.631 0.643 0.632         0.592    9.18
38)  HEXANE
                3.809 3.133 2.792 2.839 2.741 2.649 2.512         2.925   14.85
39)  VINYL ACETATE
          0.089 0.261 0.289 0.282 0.265 0.285 0.289 0.289         0.256   26.76
40)  1,1-DICHLOROETHANE
          2.894 3.404 3.092 3.152 3.089 3.037 3.021 2.991         3.085    4.87
41)  METHYL ETHYL KETONE
          0.410 0.547 0.624 0.636 0.671 0.654 0.655 0.641         0.605   14.46
42)  cis-1,2-DICHLOROETHYLENE
          1.108 1.356 1.378 1.315 1.365 1.366 1.360 1.351         1.325    6.76
43)  DIISOPROPYL ETHER
          0.905 0.770 0.798 0.752 0.789 0.742 0.727 0.699         0.773    8.06
44)  ETHYL ACETATE
          0.129 0.522 0.522 0.478 0.545 0.515 0.486 0.474         0.459   29.53
45)  METHYL ACRYLATE
          3.688 3.396 3.381 3.379 3.487 3.534 3.410 3.251         3.441    3.78
46)  CHLOROFORM
          3.500 3.563 3.563 3.449 3.416 3.400 3.333 3.304         3.441    2.82
47)  2,4-DIMETHYLPENTANE
          2.694 3.135 3.058 3.126 3.317 3.266 3.177 3.045         3.102    6.12
48)  1,1,1-TRICHLOROETHANE
          3.811 3.901 3.940 3.870 3.905 3.922 3.984 3.990         3.915    1.50
49)  CARBON TETRACHLORIDE
          3.813 4.049 4.024 3.989 4.202 4.247 4.358 4.345         4.128    4.62
50)  1,2-DICHLOROETHANE
          3.255 2.908 2.965 3.024 3.112 3.083 3.131 3.130         3.076    3.54

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.813 0.828 0.787 0.797 0.818 0.782 0.755 0.749         0.791    3.62
53)  CYCLOHEXANE
```

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V3W3499-ICC3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88662.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.273 | 0.305 | 0.321 | 0.337 | 0.348 | 0.342 | 0.330 | 0.328 | 0.323 | 7.42 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | |
| | 0.143 | 0.179 | 0.173 | 0.173 | 0.183 | 0.176 | 0.170 | 0.167 | 0.170 | 7.17 |
| 55) | TRICHLOROETHYLENE | | | | | | | | | |
| | 0.350 | 0.383 | 0.415 | 0.418 | 0.419 | 0.409 | 0.403 | 0.402 | 0.400 | 5.81 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | |
| | 0.402 | 0.362 | 0.387 | 0.376 | 0.377 | 0.355 | 0.338 | 0.328 | 0.366 | 6.85 |
| 57) | DIBROMOMETHANE | | | | | | | | | |
| | 0.473 | 0.405 | 0.419 | 0.408 | 0.394 | 0.382 | 0.382 | 0.381 | 0.406 | 7.57 |
| 58) | ETHYL ACRYLATE | | | | | | | | | |
| | 0.793 | 0.831 | 0.830 | 0.870 | 0.938 | 0.901 | 0.877 | 0.848 | 0.861 | 5.29 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | |
| | 0.797 | 0.796 | 0.835 | 0.824 | 0.824 | 0.810 | 0.808 | 0.801 | 0.812 | 1.76 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | |
| | 1.790 | 1.701 | 1.721 | 1.756 | 1.763 | 1.754 | 1.701 | 1.622 | 1.726 | 3.03 |
| 61) | 1,4-DIOXANE | | | | | | | | | |
| | 0.144 | 0.201 | 0.183 | 0.193 | 0.195 | 0.190 | 0.186 | 0.187 | 0.185 | 9.45 |
| 62) | HEPTANE | | | | | | | | | |
| | 0.705 | 0.724 | 0.790 | 0.785 | 0.789 | 0.746 | 0.728 | 0.708 | 0.747 | 4.85 |
| 63) | METHYL METHACRYLATE | | | | | | | | | |
| | 0.267 | 0.294 | 0.293 | 0.306 | 0.317 | 0.308 | 0.299 | 0.306 | 0.299 | 5.01 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | |
| | 0.293 | 0.280 | 0.311 | 0.326 | 0.342 | 0.335 | 0.332 | 0.340 | 0.320 | 7.21 |
| 65) | cis-1,3-DICHLOROPROPENE | | | | | | | | | |
| | 0.523 | 0.509 | 0.538 | 0.561 | 0.589 | 0.582 | 0.582 | 0.597 | 0.560 | 5.87 |
| 66) | TOLUENE | | | | | | | | | |
| | 0.665 | 0.540 | 0.570 | 0.562 | 0.583 | 0.568 | 0.568 | 0.591 | 0.581 | 6.41 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | |
| | 0.555 | 0.514 | 0.543 | 0.532 | 0.516 | 0.509 | 0.512 | 0.530 | 0.526 | 3.15 |
| 68) | trans-1,3-DICHLOROPROPENE | | | | | | | | | |
| | 0.508 | 0.540 | 0.556 | 0.534 | 0.598 | 0.597 | 0.603 | 0.626 | 0.570 | 7.26 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | |
| | 0.331 | 0.296 | 0.332 | 0.313 | 0.313 | 0.306 | 0.302 | 0.306 | 0.312 | 4.17 |
| 70) | I CHLOROBENZENE-D5 | ----------ISTD---------- | | | | | | | | |
| 71) | 2-HEXANONE | | | | | | | | | |
| | 0.548 | 0.751 | 0.758 | 0.831 | 0.854 | 0.796 | 0.719 | 0.607 | 0.733 | 14.54 |
| 72) | ETHYL METHACRYLATE | | | | | | | | | |
| | 0.732 | 0.778 | 0.815 | 0.851 | 0.926 | 0.854 | 0.773 | 0.674 | 0.800 | 9.84 |
| 73) | TETRACHLOROETHYLENE | | | | | | | | | |
| | 0.874 | 0.816 | 0.804 | 0.820 | 0.768 | 0.721 | 0.673 | 0.598 | 0.759 | 11.88 |
| 74) | DIBROMOCHLOROMETHANE | | | | | | | | | |
| | 1.169 | 1.213 | 1.227 | 1.263 | 1.284 | 1.227 | 1.115 | 0.986 | 1.186 | 8.13 |
| 75) | 1,2-DIBROMOETHANE | | | | | | | | | |
| | 0.993 | 1.006 | 1.044 | 0.977 | 0.983 | 0.931 | 0.851 | 0.745 | 0.941 | 10.41 |
| 76) | OCTANE | | | | | | | | | |
| | 1.849 | 1.769 | 1.744 | 1.887 | 1.884 | 1.746 | 1.568 | 1.273 | 1.715 | 12.02 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | |
| | 0.794 | 0.888 | 0.888 | 0.884 | 0.855 | 0.813 | 0.763 | 0.669 | 0.819 | 9.36 |
| 78) | CHLOROBENZENE | | | | | | | | | |
| | 1.443 | 1.479 | 1.464 | 1.416 | 1.394 | 1.336 | 1.234 | 1.074 | 1.355 | 10.23 |
| 79) | ETHYLBENZENE | | | | | | | | | |
| | 2.528 | 2.456 | 2.420 | 2.408 | 2.397 | 2.284 | 2.098 | 1.845 | 2.304 | 9.84 |
| 80) | m,p-XYLENE | | | | | | | | | |
| | 0.895 | 0.901 | 0.855 | 0.900 | 0.891 | 0.844 | 0.780 | 0.678 | 0.843 | 9.30 |
| 81) | o-XYLENE | | | | | | | | | |
| | 0.748 | 0.844 | 0.856 | 0.874 | 0.867 | 0.827 | 0.762 | 0.651 | 0.804 | 9.65 |
| 82) | STYRENE | | | | | | | | | |
| | 1.260 | 1.243 | 1.235 | 1.268 | 1.404 | 1.346 | 1.246 | 1.081 | 1.260 | 7.43 |
| 83) | NONANE | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V3W3499-ICC3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88662.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           1.824 1.820 1.955 2.043 2.120 1.954 1.730 1.363         1.851   12.67
 84)  BROMOFORM
           1.225 1.220 1.159 1.217 1.421 1.383 1.304 1.163         1.261    7.79
 85)  4-BROMOFLUOROBENZENE
           1.212 1.244 1.262 1.247 1.324 1.223 1.208 1.011         1.216    7.45
 86)  1,1,2,2-TETRACHLOROETHANE
           1.513 1.542 1.444 1.466 1.389 1.314 1.205 1.014         1.361   13.06
 87)  1,2,3-TRICHLOROPROPANE
           1.245 1.234 1.245 1.301 1.276 1.198 1.106 0.943         1.194    9.79
 88)  ISOPROPYLBENZENE
           2.648 2.720 2.699 2.835 2.900 2.788 2.570 2.186         2.668    8.28
 89)  BROMOBENZENE
           1.533 1.658 1.572 1.606 1.542 1.503 1.377 1.201         1.499    9.72
 90)  2-CHLOROTOLUENE
           0.500 0.654 0.614 0.650 0.686 0.656 0.609 0.524         0.612   10.88
 91)  n-PROPYLBENZENE
           0.620 0.673 0.683 0.729 0.766 0.729 0.669 0.578         0.681    8.98
 92)  4-ETHYLTOLUENE
           1.942 2.467 2.601 2.684 2.913 2.770 2.566 2.212         2.519   12.41
 93)  1,3,5-TRIMETHYLBENZENE
           1.942 2.137 2.192 2.353 2.475 2.401 2.198 1.909         2.201    9.32
 94)  ALPHA-METHYLSTYRENE
           0.992 1.005 1.061 1.073 1.213 1.165 1.076 0.937         1.065    8.51
 95)  tert-BUTYLBENZENE
           0.407 0.367 0.456 0.495 0.513 0.477 0.438 0.375         0.441   12.34
 96)  1,2,4-TRIMETHYLBENZENE
           2.111 2.137 2.251 2.435 2.521 2.434 2.240 1.952         2.260    8.55
 97)  m-DICHLOROBENZENE
           1.716 1.751 1.712 1.790 1.795 1.719 1.576 1.343         1.675    8.98
 98)  BENZYL CHLORIDE
           2.219 2.121 2.178 2.336 2.610 2.545 2.381 2.067         2.307    8.53
 99)  p-DICHLOROBENZENE
           1.792 1.759 1.699 1.748 1.755 1.687 1.563 1.340         1.668    9.00
100)  sec-BUTYLBENZENE
           0.531 0.589 0.559 0.650 0.676 0.650 0.595 0.508         0.595   10.16
101)  1,2,3-Trimethylbenzene
           2.143 2.188 2.349 2.575 2.685 2.605 2.405 2.087         2.380    9.56
102)  p-ISOPROPYLTOLUENE
           0.572 0.646 0.653 0.700 0.777 0.741 0.676 0.572         0.667   10.96
103)  o-DICHLOROBENZENE
           1.746 1.711 1.624 1.690 1.729 1.658 1.523 1.312         1.624    8.91
104)  n-BUTYLBENZENE
           0.545 0.606 0.634 0.723 0.772 0.736 0.678 0.585         0.660   12.16
105)  HEXACHLOROETHANE
           0.950 0.946 0.974 1.067 1.183 1.125 1.045 0.904         1.024    9.48
106)  HEXACHLOROBUTADIENE
           1.972 1.921 1.901 1.979 2.154 2.102 2.002 1.808         1.980    5.57
107)  1,2,4-TRICHLOROBENZENE
           1.716 1.890 1.865 1.916 2.164 2.064 1.924 1.685         1.903    8.40
108)  NAPHTHALENE
           2.752 2.947 2.949 3.287 3.740 3.579 3.310 2.907         3.184   11.05

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           1.250 1.169 1.190 1.066 0.977 0.938 0.964 0.942         1.062 E1   11.79
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3W3499.M         Wed Sep 11 11:59:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V3W3499-ICV3499
**Lab FileID:** 3W88669.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 2 | FREON 115 | 1.700 | 1.628 | 4.2 | 86 | 0.00 |
| 3 | FREON 152A | 0.852 | 0.801 | 6.0 | 85 | 0.00 |
| 4 | CHLORODIFLUOROMETHANE | 0.524 | 0.540 | -3.1 | 94 | 0.00 |
| 5 | CHLOROTRIFLUOROETHENE | 1.686 | 1.559 | 7.5 | 85 | 0.00 |
| 6 | DICHLORODIFLUOROMETHANE | 4.961 | 4.897 | 1.3 | 90 | 0.00 |
| 7 | PROPYLENE | 1.593 | 1.528 | 4.1 | 90 | 0.00 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHANE | 4.438 | 4.413 | 0.6 | 93 | 0.00 |
| 9 | FREON 114 | 3.241 | 3.272 | -1.0 | 92 | 0.00 |
| 10 | CHLOROMETHANE | 0.495 | 0.474 | 4.2 | 88 | 0.00 |
| 11 | VINYL CHLORIDE | 1.342 | 1.294 | 3.6 | 91 | 0.00 |
| 12 | 1,3-BUTADIENE | 1.072 | 1.040 | 3.0 | 96 | 0.00 |
| 13 | n-BUTANE | 2.267 | 2.062 | 9.0 | 97 | 0.00 |
| 14 | BROMOMETHANE | 1.182 | 1.043 | 11.8 | 94 | 0.00 |
| 15 | CHLOROETHANE | 0.565 | 0.560 | 0.9 | 92 | 0.00 |
| 16 | DICHLOROFLUOROMETHANE | 3.099 | 3.130 | -1.0 | 98 | 0.00 |
| 17 | ACETONITRILE | 1.230 | 1.168 | 5.0 | 102 | 0.00 |
| 18 | ACROLEIN | 0.595 | 0.581 | 2.4 | 101 | 0.00 |
| 19 | FREON 123 | 2.798 | 2.725 | 2.6 | 95 | 0.00 |
| 20 | FREON 123A | 1.594 | 1.506 | 5.5 | 88 | 0.00 |
| 21 | TRICHLOROFLUOROMETHANE | 4.684 | 4.889 | -4.4 | 99 | 0.00 |
| 22 | ISOPROPYL ALCOHOL | 3.894 | 3.243 | 16.7 | 102 | 0.00 |
| 23 | ACETONE | 0.748 | 0.637 | 14.8 | 97 | 0.00 |
| 24 | PENTANE | 1.577 | 1.359 | 13.8 | 97 | 0.00 |
| 25 | IODOMETHANE | 3.024 | 3.134 | -3.6 | 97 | 0.00 |
| 26 | 1,1-DICHLOROETHYLENE | 1.066 | 1.068 | -0.2 | 97 | 0.00 |
| 27 | CARBON DISULFIDE | 3.577 | 3.983 | -11.4 | 106 | 0.00 |
| 28 | ETHANOL | 0.861 | 0.678 | 21.3 | 89 | 0.00 |
| 29 | BROMOETHENE | 1.043 | 1.065 | -2.1 | 96 | 0.00 |
| 30 | ACRYLONITRILE | 1.083 | 0.947 | 12.6 | 99 | 0.00 |
| 31 | METHYLENE CHLORIDE | 1.139 | 0.979 | 14.0 | 99 | 0.00 |
| 32 | 3-CHLOROPROPENE | 0.515 | 0.533 | -3.5 | 96 | 0.00 |
| 33 | FREON 113 | 2.162 | 2.305 | -6.6 | 103 | 0.00 |
| 34 | TRANS-1,2-DICHLOROETHYLENE | 1.306 | 1.371 | -5.0 | 97 | 0.00 |
| 35 | TERTIARY BUTYL ALCOHOL | 3.508 | 3.958 | -12.8 | 108 | 0.00 |
| 36 | METHYL TERTIARY BUTYL ETHER | 4.443 | 4.543 | -2.3 | 96 | 0.00 |
| 37 | TETRAHYDROFURAN | 0.592 | 0.656 | -10.8 | 97 | 0.00 |
| 38 | HEXANE | 2.925 | 2.723 | 6.9 | 93 | 0.00 |

# Initial Calibration Verification

**Job Number:** JE2487 **Sample:** V3W3499-ICV3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88669.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39 | | VINYL ACETATE | 0.256 | 0.293 | -14.5 | 96 | 0.00 |
| 40 | | 1,1-DICHLOROETHANE | 3.085 | 3.091 | -0.2 | 95 | 0.00 |
| 41 | | METHYL ETHYL KETONE | 0.605 | 0.655 | -8.3 | 93 | 0.00 |
| 42 | | cis-1,2-DICHLOROETHYLENE | 1.325 | 1.387 | -4.7 | 95 | 0.00 |
| 43 | | DIISOPROPYL ETHER | 0.773 | 0.757 | 2.1 | 95 | 0.00 |
| 44 | | ETHYL ACETATE | 0.459 | 0.510 | -11.1 | 92 | 0.00 |
| 45 | | METHYL ACRYLATE | 3.441 | 3.601 | -4.6 | 95 | 0.00 |
| 46 | | CHLOROFORM | 3.441 | 3.620 | -5.2 | 99 | 0.00 |
| 47 | | 2,4-DIMETHYLPENTANE | 3.102 | 3.300 | -6.4 | 94 | 0.00 |
| 48 | | 1,1,1-TRICHLOROETHANE | 3.915 | 4.131 | -5.5 | 98 | 0.00 |
| 49 | | CARBON TETRACHLORIDE | 4.128 | 4.456 | -7.9 | 98 | 0.00 |
| 50 | | 1,2-DICHLOROETHANE | 3.076 | 3.243 | -5.4 | 98 | 0.00 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 52 | | BENZENE | 0.791 | 0.788 | 0.4 | 95 | 0.00 |
| 53 | | CYCLOHEXANE | 0.323 | 0.342 | -5.9 | 94 | 0.00 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.170 | 0.175 | -2.9 | 93 | 0.00 |
| 55 | | TRICHLOROETHYLENE | 0.400 | 0.405 | -1.3 | 93 | 0.00 |
| 56 | | 1,2-DICHLOROPROPANE | 0.366 | 0.363 | 0.8 | 96 | 0.00 |
| 57 | | DIBROMOMETHANE | 0.406 | 0.397 | 2.2 | 97 | 0.00 |
| 58 | | ETHYL ACRYLATE | 0.861 | 0.931 | -8.1 | 97 | 0.00 |
| 59 | | BROMODICHLOROMETHANE | 0.812 | 0.836 | -3.0 | 97 | 0.00 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.726 | 1.759 | -1.9 | 94 | 0.00 |
| 61 | | 1,4-DIOXANE | 0.185 | 0.184 | 0.5 | 91 | 0.00 |
| 62 | | HEPTANE | 0.747 | 0.755 | -1.1 | 95 | 0.00 |
| 63 | | METHYL METHACRYLATE | 0.299 | 0.305 | -2.0 | 93 | 0.00 |
| 64 | | METHYL ISOBUTYL KETONE | 0.320 | 0.329 | -2.8 | 92 | 0.00 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.560 | 0.552 | 1.4 | 89 | 0.00 |
| 66 | | TOLUENE | 0.581 | 0.572 | 1.5 | 94 | 0.00 |
| 67 | | 1,3-DICHLOROPROPANE | 0.526 | 0.514 | 2.3 | 95 | 0.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.570 | 0.605 | -6.1 | 95 | 0.00 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.312 | 0.307 | 1.6 | 94 | 0.00 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 71 | | 2-HEXANONE | 0.733 | 0.776 | -5.9 | 92 | 0.00 |
| 72 | | ETHYL METHACRYLATE | 0.800 | 0.873 | -9.1 | 97 | 0.00 |
| 73 | | TETRACHLOROETHYLENE | 0.759 | 0.738 | 2.8 | 97 | 0.00 |
| 74 | | DIBROMOCHLOROMETHANE | 1.186 | 1.228 | -3.5 | 94 | 0.00 |
| 75 | | 1,2-DIBROMOETHANE | 0.941 | 0.929 | 1.3 | 94 | 0.00 |
| 76 | | OCTANE | 1.715 | 1.741 | -1.5 | 94 | 0.00 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.819 | 0.829 | -1.2 | 96 | 0.00 |
| 78 | | CHLOROBENZENE | 1.355 | 1.318 | 2.7 | 93 | 0.00 |
| 79 | | ETHYLBENZENE | 2.304 | 2.295 | 0.4 | 95 | 0.00 |
| 80 | | m,p-XYLENE | 0.843 | 0.842 | 0.1 | 94 | 0.00 |
| 81 | | o-XYLENE | 0.804 | 0.816 | -1.5 | 93 | 0.00 |
| 82 | | STYRENE | 1.260 | 1.313 | -4.2 | 92 | 0.00 |
| 83 | | NONANE | 1.851 | 1.937 | -4.6 | 94 | 0.00 |
| 84 | | BROMOFORM | 1.261 | 1.358 | -7.7 | 93 | 0.00 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.216 | 1.246 | -2.5 | 96 | 0.00 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.361 | 1.310 | 3.7 | 94 | 0.00 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 1.194 | 1.202 | -0.7 | 95 | 0.00 |
| 88 | | ISOPROPYLBENZENE | 2.668 | 2.767 | -3.7 | 94 | 0.00 |
| 89 | | BROMOBENZENE | 1.499 | 1.491 | 0.5 | 94 | 0.00 |
| 90 | | 2-CHLOROTOLUENE | 0.612 | 0.660 | -7.8 | 95 | 0.00 |
| 91 | | n-PROPYLBENZENE | 0.681 | 0.724 | -6.3 | 94 | 0.00 |
| 92 | | 4-ETHYLTOLUENE | 2.519 | 2.757 | -9.4 | 94 | 0.00 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 2.201 | 2.363 | -7.4 | 93 | 0.00 |
| 94 | | ALPHA-METHYLSTYRENE | 1.065 | 1.189 | -11.6 | 96 | 0.00 |
| 95 | | tert-BUTYLBENZENE | 0.441 | 0.474 | -7.5 | 94 | 0.00 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 2.260 | 2.411 | -6.7 | 94 | 0.00 |

# Initial Calibration Verification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V3W3499-ICV3499
**Lab FileID:** 3W88669.D

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 97 | | m-DICHLOROBENZENE | 1.675 | 1.697 | -1.3 | 93 | 0.00 |
| 98 | | BENZYL CHLORIDE | 2.307 | 2.655 | -15.1 | 98 | 0.00 |
| 99 | | p-DICHLOROBENZENE | 1.668 | 1.668 | 0.0 | 93 | 0.00 |
| 100 | | sec-BUTYLBENZENE | 0.595 | 0.646 | -8.6 | 94 | 0.00 |
| 101 | | 1,2,3-Trimethylbenzene | 2.380 | 2.607 | -9.5 | 95 | 0.00 |
| 102 | | p-ISOPROPYLTOLUENE | 0.667 | 0.742 | -11.2 | 95 | 0.00 |
| 103 | | o-DICHLOROBENZENE | 1.624 | 1.624 | 0.0 | 92 | 0.00 |
| 104 | | n-BUTYLBENZENE | 0.660 | 0.728 | -10.3 | 93 | 0.00 |
| 105 | | HEXACHLOROETHANE | 1.024 | 1.119 | -9.3 | 94 | 0.00 |
| 106 | | HEXACHLOROBUTADIENE | 1.980 | 2.111 | -6.6 | 95 | 0.00 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.903 | 1.996 | -4.9 | 91 | 0.00 |
| 108 | | NAPHTHALENE | 3.184 | 3.600 | -13.1 | 95 | 0.00 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 110 | | TVHC as equiv Pentane | 10.621 | 10.123 | 4.7 | 101 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M3W3499.M Wed Sep 11 15:14:24 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V3W3503-CC3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V3W3503\3w88779.d Vial: 1
Acq On : 19 Sep 2024 1:17 pm Operator: thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Wed Sep 11 11:57:05 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 7.49 |
| 2 | FREON 115 | 1.700 | 1.735 | -2.1 | 80 | 0.00 | 3.87 |
| 3 | FREON 152A | 0.852 | 0.955 | -12.1 | 89 | 0.00 | 3.95 |
| 4 | CHLORODIFLUOROMETHANE | 0.524 | 0.507 | 3.2 | 77 | 0.00 | 3.97 |
| 5 | CHLOROTRIFLUOROETHENE | 1.686 | 1.758 | -4.3 | 84 | 0.00 | 4.00 |
| 6 | DICHLORODIFLUOROMETHANE | 4.961 | 4.878 | 1.7 | 78 | 0.00 | 4.04 |
| 7 | PROPYLENE | 1.593 | 1.576 | 1.1 | 82 | 0.00 | 3.99 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 4.438 | 3.955 | 10.9 | 73 | 0.00 | 4.14 |
| 9 | FREON 114 | 3.241 | 3.116 | 3.9 | 77 | 0.00 | 4.22 |
| 10 | CHLOROMETHANE | 0.495 | 0.462 | 6.7 | 75 | 0.00 | 4.16 |
| 11 | VINYL CHLORIDE | 1.342 | 1.281 | 4.5 | 79 | 0.00 | 4.30 |
| 12 | 1,3-BUTADIENE | 1.072 | 0.975 | 9.0 | 79 | 0.00 | 4.39 |
| 13 | n-BUTANE | 2.267 | 2.016 | 11.1 | 83 | 0.00 | 4.43 |
| 14 | BROMOMETHANE | 1.182 | 1.035 | 12.4 | 81 | 0.00 | 4.58 |
| 15 | CHLOROETHANE | 0.565 | 0.591 | -4.6 | 85 | 0.00 | 4.69 |
| 16 | DICHLOROFLUOROMETHANE | 3.099 | 2.980 | 3.8 | 82 | 0.00 | 4.74 |
| 17 | ACETONITRILE | 1.230 | 1.141 | 7.2 | 87 | 0.00 | 4.94 |
| 18 | ACROLEIN | 0.595 | 0.497 | 16.5 | 76 | 0.00 | 5.03 |
| 19 | FREON 123 | 2.798 | 2.675 | 4.4 | 81 | 0.00 | 5.02 |
| 20 | FREON 123A | 1.594 | 1.495 | 6.2 | 77 | 0.00 | 5.05 |
| 21 | TRICHLOROFLUOROMETHANE | 4.684 | 3.919 | 16.3 | 70 | 0.00 | 5.21 |
| 22 | ISOPROPYL ALCOHOL | 3.894 | 3.944 | -1.3 | 108 | 0.00 | 5.35 |
| 23 | ACETONE | 0.748 | 0.588 | 21.4 | 79 | 0.00 | 5.13 |
| 24 | PENTANE | 1.577 | 2.033 | -28.9 | 127 | 0.00 | 5.46 |
| 25 | IODOMETHANE | 3.024 | 3.413 | -12.9 | 93 | 0.00 | 5.64 |
| 26 | 1,1-DICHLOROETHYLENE | 1.066 | 1.332 | -25.0 | 106 | 0.00 | 5.68 |
| 27 | CARBON DISULFIDE | 3.577 | 3.996 | -11.7 | 93 | 0.00 | 6.01 |
| 28 | ETHANOL | 0.861 | 0.841 | 2.3 | 97 | 0.00 | 4.80 |
| 29 | BROMOETHENE | 1.043 | 1.024 | 1.8 | 81 | 0.00 | 4.92 |
| 30 | ACRYLONITRILE | 1.083 | 1.268 | -17.1 | 116 | 0.00 | 5.44 |
| 31 | METHYLENE CHLORIDE | 1.139 | 1.255 | -10.2 | 111 | 0.00 | 5.76 |
| 32 | 3-CHLOROPROPENE | 0.515 | 0.744 | -44.5# | 117 | 0.00 | 5.86 |
| 33 | FREON 113 | 2.162 | 2.287 | -5.8 | 90 | 0.00 | 5.95 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.306 | 1.391 | -6.5 | 86 | 0.00 | 6.49 |
| 35 | TERTIARY BUTYL ALCOHOL | 3.508 | 3.875 | -10.5 | 93 | 0.00 | 5.82 |
| 36 | METHYL TERTIARY BUTYL ETH | 4.443 | 4.542 | -2.2 | 84 | 0.00 | 6.74 |
| 37 | TETRAHYDROFURAN | 0.592 | 0.691 | -16.7 | 90 | 0.00 | 8.00 |
| 38 | HEXANE | 2.925 | 2.737 | 6.4 | 82 | 0.00 | 7.51 |
| 39 | VINYL ACETATE | 0.256 | 0.290 | -13.3 | 83 | 0.00 | 6.77 |
| 40 | 1,1-DICHLOROETHANE | 3.085 | 3.120 | -1.1 | 84 | 0.00 | 6.66 |
| 41 | METHYL ETHYL KETONE | 0.605 | 0.708 | -17.0 | 89 | 0.00 | 7.02 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.325 | 1.442 | -8.8 | 86 | 0.00 | 7.35 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V3W3503-CC3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.773 | 0.749 | 3.1 | 82 | 0.00 | 7.53 |
| 44 | | ETHYL ACETATE | 0.459 | 0.548 | -19.4 | 87 | 0.00 | 7.56 |
| 45 | | METHYL ACRYLATE | 3.441 | 3.289 | 4.4 | 76 | 0.00 | 7.54 |
| 46 | | CHLOROFORM | 3.441 | 3.365 | 2.2 | 81 | 0.00 | 7.60 |
| 47 | | 2,4-DIMETHYLPENTANE | 3.102 | 3.257 | -5.0 | 82 | 0.00 | 8.28 |
| 48 | | 1,1,1-TRICHLOROETHANE | 3.915 | 3.707 | 5.3 | 77 | 0.00 | 8.48 |
| 49 | | CARBON TETRACHLORIDE | 4.128 | 3.875 | 6.1 | 75 | 0.00 | 9.03 |
| 50 | | 1,2-DICHLOROETHANE | 3.076 | 2.827 | 8.1 | 75 | 0.00 | 8.25 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 9.21 |
| 52 | | BENZENE | 0.791 | 0.810 | -2.4 | 86 | 0.00 | 8.90 |
| 53 | | CYCLOHEXANE | 0.323 | 0.353 | -9.3 | 85 | 0.00 | 9.14 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.170 | 0.184 | -8.2 | 86 | 0.00 | 9.35 |
| 55 | | TRICHLOROETHYLENE | 0.400 | 0.408 | -2.0 | 82 | 0.00 | 9.88 |
| 56 | | 1,2-DICHLOROPROPANE | 0.366 | 0.370 | -1.1 | 86 | 0.00 | 9.66 |
| 57 | | DIBROMOMETHANE | 0.406 | 0.421 | -3.7 | 91 | 0.00 | 9.63 |
| 58 | | ETHYL ACRYLATE | 0.861 | 0.835 | 3.0 | 77 | 0.00 | 9.68 |
| 59 | | BROMODICHLOROMETHANE | 0.812 | 0.773 | 4.8 | 79 | 0.00 | 9.84 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.726 | 1.745 | -1.1 | 82 | 0.00 | 9.90 |
| 61 | | 1,4-DIOXANE | 0.185 | 0.195 | -5.4 | 85 | 0.00 | 9.95 |
| 62 | | HEPTANE | 0.747 | 0.698 | 6.6 | 77 | 0.00 | 10.15 |
| 63 | | METHYL METHACRYLATE | 0.299 | 0.328 | -9.7 | 88 | 0.00 | 10.08 |
| 64 | | METHYL ISOBUTYL KETONE | 0.320 | 0.312 | 2.5 | 77 | 0.00 | 10.80 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.560 | 0.598 | -6.8 | 85 | 0.00 | 10.71 |
| 66 | | TOLUENE | 0.581 | 0.592 | -1.9 | 86 | 0.00 | 11.67 |
| 67 | | 1,3-DICHLOROPROPANE | 0.526 | 0.520 | 1.1 | 84 | 0.00 | 11.70 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.570 | 0.594 | -4.2 | 82 | 0.00 | 11.23 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.312 | 0.314 | -0.6 | 85 | 0.00 | 11.40 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 73 | 0.00 | 13.49 |
| 71 | | 2-HEXANONE | 0.733 | 0.825 | -12.6 | 76 | 0.00 | 11.99 |
| 72 | | ETHYL METHACRYLATE | 0.800 | 1.024 | -28.0 | 88 | 0.00 | 11.97 |
| 73 | | TETRACHLOROETHYLENE | 0.759 | 0.831 | -9.5 | 85 | 0.00 | 12.83 |
| 74 | | DIBROMOCHLOROMETHANE | 1.186 | 1.250 | -5.4 | 75 | 0.00 | 12.10 |
| 75 | | 1,2-DIBROMOETHANE | 0.941 | 1.045 | -11.1 | 82 | 0.00 | 12.35 |
| 76 | | OCTANE | 1.715 | 1.825 | -6.4 | 77 | 0.00 | 12.68 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.819 | 0.853 | -4.2 | 77 | 0.00 | 13.52 |
| 78 | | CHLOROBENZENE | 1.355 | 1.492 | -10.1 | 82 | 0.00 | 13.53 |
| 79 | | ETHYLBENZENE | 2.304 | 2.561 | -11.2 | 82 | 0.00 | 13.93 |
| 80 | | m,p-XYLENE | 0.843 | 0.938 | -11.3 | 82 | 0.00 | 14.13 |
| 81 | | o-XYLENE | 0.804 | 0.908 | -12.9 | 81 | 0.00 | 14.64 |
| 82 | | STYRENE | 1.260 | 1.494 | -18.6 | 81 | 0.00 | 14.52 |
| 83 | | NONANE | 1.851 | 1.987 | -7.3 | 75 | 0.00 | 14.89 |
| 84 | | BROMOFORM | 1.261 | 1.185 | 6.0 | 63 | 0.00 | 14.21 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.216 | 1.087 | 10.6 | 65 | 0.00 | 15.15 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.361 | 1.472 | -8.2 | 82 | 0.00 | 14.63 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 1.194 | 1.312 | -9.9 | 80 | 0.00 | 14.78 |
| 88 | | ISOPROPYLBENZENE | 2.668 | 2.975 | -11.5 | 78 | 0.00 | 15.30 |
| 89 | | BROMOBENZENE | 1.499 | 1.620 | -8.1 | 79 | 0.00 | 15.39 |
| 90 | | 2-CHLOROTOLUENE | 0.612 | 0.715 | -16.8 | 80 | 0.00 | 15.85 |
| 91 | | n-PROPYLBENZENE | 0.681 | 0.786 | -15.4 | 79 | 0.00 | 15.90 |
| 92 | | 4-ETHYLTOLUENE | 2.519 | 2.984 | -18.5 | 79 | 0.00 | 16.08 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 2.201 | 2.518 | -14.4 | 77 | 0.00 | 16.17 |
| 94 | | ALPHA-METHYLSTYRENE | 1.065 | 1.241 | -16.5 | 78 | 0.00 | 16.36 |
| 95 | | tert-BUTYLBENZENE | 0.441 | 0.481 | -9.1 | 74 | 0.00 | 16.66 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 2.260 | 2.520 | -11.5 | 76 | 0.00 | 16.67 |
| 97 | | m-DICHLOROBENZENE | 1.675 | 1.790 | -6.9 | 76 | 0.00 | 16.84 |
| 98 | | BENZYL CHLORIDE | 2.307 | 2.651 | -14.9 | 77 | 0.00 | 16.82 |
| 99 | | p-DICHLOROBENZENE | 1.668 | 1.770 | -6.1 | 77 | 0.00 | 16.92 |
| 100 | | sec-BUTYLBENZENE | 0.595 | 0.653 | -9.7 | 74 | 0.00 | 16.98 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V3W3503-CC3499
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 3W88779.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-Trimethylbenzene | 2.380 | 2.685 | -12.8 | 76 | 0.00 | 17.17 |
| 102 | | p-ISOPROPYLTOLUENE | 0.667 | 0.725 | -8.7 | 72 | 0.00 | 17.18 |
| 103 | | o-DICHLOROBENZENE | 1.624 | 1.722 | -6.0 | 76 | 0.00 | 17.33 |
| 104 | | n-BUTYLBENZENE | 0.660 | 0.736 | -11.5 | 73 | 0.00 | 17.68 |
| 105 | | HEXACHLOROETHANE | 1.024 | 1.088 | -6.3 | 71 | 0.00 | 18.13 |
| 106 | | HEXACHLOROBUTADIENE | 1.980 | 2.214 | -11.8 | 77 | 0.00 | 19.90 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.903 | 2.155 | -13.2 | 77 | 0.00 | 19.36 |
| 108 | | NAPHTHALENE | 3.184 | 3.714 | -16.6 | 76 | 0.00 | 19.49 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 7.49 |
| 110 | | TVHC as equiv Pentane | 10.621 | 13.343 | -25.6 | 116 | 0.00 | 5.45 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w88662.D M3W3499.M Fri Sep 20 04:55:58 2024

# Initial Calibration Summary



**Job Number:** JE2487 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.494 | 1.548 | 1.299 | 1.657 | 0.642 | 1.669 | 1.274 | | | 1.369 | 26.06 |
| 3) FREON 152A | 0.717 | 0.684 | 0.712 | 0.756 | 0.789 | 0.758 | 0.757 | 0.760 | 0.726 | 0.740 | 4.36 |
| 4) CHLORODIFLUOROMETHANE | 0.279 | 0.341 | 0.371 | 0.394 | 0.410 | 0.406 | 0.414 | 0.428 | 0.410 | 0.384 | 12.27 |
| 5) CHLOROTRIFLUOROETHENE | 1.677 | 1.542 | 1.642 | 1.717 | 1.772 | 1.742 | 1.780 | 1.866 | 1.846 | 1.732 | 5.86 |
| 6) DICHLORODIFLUOROMETHANE | 3.513 | 3.536 | 3.550 | 3.840 | 3.911 | 3.777 | 3.705 | 3.640 | 3.418 | 3.654 | 4.52 |
| 7) PROPYLENE | 1.224 | 1.033 | 0.862 | 0.907 | 0.898 | 0.861 | 0.861 | 0.849 | 0.788 | 0.920 | 14.31 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.008 | 3.852 | 3.920 | 4.118 | 4.140 | 3.754 | 3.537 | 3.345 | 3.006 | 3.742 | 10.16 |
| 9) FREON 114 | 4.598 | 4.822 | 4.882 | 5.183 | 5.093 | 4.507 | 4.151 | 3.758 | 3.349 | 4.483 | 13.82 |
| 10) CHLOROMETHANE | 0.398 | 0.543 | 0.544 | 0.546 | 0.525 | 0.463 | 0.435 | 0.413 | 0.375 | 0.471 | 14.66 |
| 11) VINYL CHLORIDE | 1.756 | 1.727 | 1.812 | 1.894 | 1.887 | 1.639 | 1.511 | 1.406 | 1.304 | 1.659 | 12.74 |
| 12) 1,3-BUTADIENE | 1.420 | 1.134 | 1.171 | 1.246 | 1.221 | 1.066 | 0.996 | 0.917 | 0.850 | 1.114 | 15.90 |
| 13) n-BUTANE | 2.733 | 2.476 | 2.579 | 2.336 | 1.998 | 1.834 | 1.628 | 1.508 | | 2.136 | 21.46 |
| 14) BROMOMETHANE | 2.365 | 1.858 | 1.978 | 1.857 | 1.631 | 1.518 | 1.426 | 1.356 | | 1.749 | 19.11 |
| 15) CHLOROETHANE | 0.846 | 0.831 | 0.838 | 0.890 | 0.827 | 0.725 | 0.666 | 0.613 | 0.589 | 0.758 | 14.78 |
| 16) DICHLOROFLUOROMETHANE | 4.518 | 4.122 | 4.054 | 4.299 | 4.145 | 3.576 | 3.289 | 2.965 | 2.768 | 3.748 | 16.61 |
| 17) ACETONITRILE | 1.389 | 1.492 | 1.554 | 1.399 | 1.170 | 1.073 | 0.927 | 0.867 | | 1.234 | 21.21 |
| 18) ACROLEIN | 0.585 | 0.528 | 0.670 | 0.602 | 0.545 | 0.504 | 0.450 | 0.426 | | 0.539 | 14.94 |
| 19) FREON 123 | 4.363 | 4.195 | 4.097 | 4.417 | 4.204 | 3.644 | 3.338 | 2.930 | 2.766 | 3.773 | 16.67 |
| 20) FREON 123A | 2.136 | 2.135 | 2.173 | 2.278 | 2.198 | 1.969 | 1.835 | 1.696 | 1.633 | 2.006 | 11.66 |
| 21) TRICHLOROFLUOROMETHANE | 3.235 | 3.373 | 3.388 | 3.743 | 3.622 | 3.391 | 3.312 | 3.257 | 3.072 | 3.377 | 5.98 |
| 22) ISOPROPYL ALCOHOL | 2.807 | 2.426 | 2.240 | 1.968 | 2.127 | 2.047 | 1.877 | 1.627 | | 2.140 | 16.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316   0.272   16.87
54)  2,3-DIMETHYLPENTANE
          0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169   0.147   17.11
55)  TRICHLOROETHYLENE
          0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445   0.382   12.16
56)  1,2-DICHLOROPROPANE
          0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325   0.308    6.82
57)  DIBROMOMETHANE
          0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444   0.374   12.09
58)  ETHYL ACRYLATE
                0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570   0.485   24.76
59)  BROMODICHLOROMETHANE
          0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764   0.667   14.17
60)  2,2,4-TRIMETHYLPENTANE
          0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166   1.101   13.72
61)  1,4-DIOXANE
                0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200   0.169   17.58
62)  HEPTANE
          0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412   0.384   13.26
63)  METHYL METHACRYLATE
                0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277   0.241   21.56
64)  METHYL ISOBUTYL KETONE
                0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245   0.205   25.18
65)  cis-1,3-DICHLOROPROPENE
          0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568   0.467   21.12
66)  TOLUENE
          0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617   0.507   18.24
67)  1,3-DICHLOROPROPANE
          0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501   0.446   14.42
68)  trans-1,3-DICHLOROPROPENE
          0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553   0.430   27.23
69)  1,1,2-TRICHLOROETHANE
          0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343   0.306   11.05

70) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
71)  2-HEXANONE
                0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493   0.472   27.90
72)  ETHYL METHACRYLATE
                0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710   0.691   24.40
73)  TETRACHLOROETHYLENE
          0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616   0.653    3.69
74)  DIBROMOCHLOROMETHANE
          0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097   1.062   18.77
75)  1,2-DIBROMOETHANE
          0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846   0.881   11.86
76)  OCTANE
          0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813   0.878   15.80
77)  1,1,1,2-TETRACHLOROETHANE
          0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737   0.733    9.39
78)  CHLOROBENZENE
          1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157   1.287    6.14
79)  ETHYLBENZENE
          1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714   1.844   12.18
80)  m,p-XYLENE
          0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725   0.700   17.44
81)  o-XYLENE
          0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687   0.679   18.53
82)  STYRENE
          0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059   0.974   23.89
83)  NONANE
```

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2487 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.550 | -13.2 | 101 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.662 | 10.5 | 95 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.376 | 2.1 | 100 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.640 | 5.3 | 102 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.452 | 5.5 | 99 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 0.715 | 22.3 | 90 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.499 | 6.5 | 101 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.285 | 4.4 | 103 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.409 | 13.2 | 96 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.513 | 8.8 | 100 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.994 | 10.8 | 101 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.839 | 13.9 | 100 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.560 | 10.8 | 104 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.680 | 10.3 | 102 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.432 | 8.4 | 104 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.102 | 10.7 | 102 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.535 | 0.7 | 106 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.394 | 10.0 | 101 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.773 | 11.6 | 98 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.288 | 2.6 | 105 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 1.917 | 10.4 | 98 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.603 | 25.3 | 101 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 0.903 | 15.1 | 91 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 2.883 | -2.3 | 106 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.010 | 3.5 | 102 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.051 | -0.8 | 104 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.618 | 21.2 | 85 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.474 | 1.1 | 105 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.581 | 30.7# | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 0.953 | 9.2 | 101 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.475 | 1.9 | 99 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.778 | -2.2 | 109 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.077 | 2.6 | 103 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.303 | -14.4 | 110 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 2.868 | -1.2 | 100 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.474 | -9.2 | 101 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.462 | 6.7 | 93 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.199 | -11.2 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 1.875 | 8.8 | 95 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.464 | -6.9 | 97 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.116 | 2.8 | 101 | 0.00 | 7.50 |

# Initial Calibration Verification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.459 | 3.6 | 95 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.334 | -4.4 | 96 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 1.852 | 2.8 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.506 | 2.4 | 103 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.678 | 2.1 | 95 | 0.00 | 8.67 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.588 | 0.7 | 105 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.815 | -2.2 | 106 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.609 | 3.7 | 98 | 0.00 | 8.61 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.689 | 5.0 | 99 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.278 | -2.2 | 101 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.145 | 1.4 | 99 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.366 | 4.2 | 102 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.279 | 9.4 | 98 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.353 | 5.6 | 109 | 0.00 | 10.34 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.507 | -4.5 | 98 | 0.00 | 10.42 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.656 | 1.6 | 101 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.060 | 3.7 | 95 | 0.00 | 10.69 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 105 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.358 | 6.8 | 93 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.246 | -2.1 | 98 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.207 | -1.0 | 97 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.452 | 3.2 | 94 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.517 | -2.0 | 101 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.442 | 0.9 | 100 | 0.00 | 13.01 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.457 | -6.3 | 99 | 0.00 | 12.41 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.292 | 4.6 | 100 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.552 | -16.9 | 97 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.833 | -20.5 | 102 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.683 | -4.6 | 108 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.276 | -20.2 | 107 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.966 | -9.6 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.935 | -6.5 | 93 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.802 | -9.4 | 106 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.323 | -2.8 | 103 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 2.064 | -11.9 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.808 | -15.4 | 103 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.778 | -14.6 | 102 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.179 | -21.0 | 102 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 0.971 | -5.9 | 93 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.261 | -16.0 | 106 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.167 | -4.3 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.407 | -3.1 | 99 | 0.00 | 16.91 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.011 | -2.5 | 100 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.353 | -12.0 | 104 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.216 | -2.4 | 101 | 0.00 | 17.91 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.618 | -17.5 | 107 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.636 | -19.3 | 105 | 0.00 | 18.64 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.292 | -18.2 | 102 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.939 | -17.0 | 102 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 1.017 | -13.6 | 105 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.426 | -17.7 | 107 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 2.096 | -20.5 | 103 | 0.00 | 19.63 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.565 | -14.3 | 105 | 0.00 | 19.82 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.201 | -18.0 | 105 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.435 | -12.3 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.513 | -18.8 | 106 | 0.00 | 20.02 |

# Initial Calibration Verification

**Job Number:** JE2487 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.098 | -18.8 | 104 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.615 | -21.3 | 108 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.380 | -11.0 | 106 | 0.00 | 20.41 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.577 | -23.6 | 105 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.978 | -12.4 | 99 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.383 | -18.3 | 107 | 0.00 | 23.37 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.294 | -16.9 | 111 | 0.00 | 23.22 |
| 108 | | NAPHTHALENE | 2.431 | 3.137 | -29.0 | 113 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 6.032 | 22.9 | 93 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55664.D Vial: 1
Acq On : 16 Dec 2024 1:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.509 | -10.2 | 86 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.803 | -8.5 | 101 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.487 | -26.8 | 114 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.533 | 11.5 | 84 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.132 | -13.1 | 104 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.943 | -2.5 | 104 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.183 | -11.8 | 106 | 0.00 | 3.76 |
| 9 | FREON 114 | 4.483 | 4.708 | -5.0 | 99 | 0.00 | 3.85 |
| 10 | CHLOROMETHANE | 0.471 | 0.394 | 16.3 | 81 | 0.00 | 3.78 |
| 11 | VINYL CHLORIDE | 1.659 | 1.632 | 1.6 | 95 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.977 | 12.3 | 87 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.897 | 11.2 | 90 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.632 | 6.7 | 95 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.760 | -0.3 | 100 | 0.00 | 4.36 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 4.011 | -7.0 | 107 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.125 | 8.8 | 91 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.523 | 3.0 | 91 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.893 | -3.2 | 102 | 0.00 | 4.74 |
| 20 | FREON 123A | 2.006 | 1.871 | 6.7 | 90 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.700 | -9.6 | 104 | 0.00 | 4.95 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.237 | -4.5 | 100 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.624 | 22.7 | 91 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.144 | -7.6 | 101 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.120 | -10.8 | 100 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.134 | -8.3 | 101 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.575 | -18.1 | 106 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.675 | 13.9 | 82 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.431 | 4.0 | 90 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.660 | 21.2 | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.099 | -4.8 | 102 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.581 | -20.0 | 106 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.994 | -14.6 | 107 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.210 | -9.4 | 101 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.500 | -24.2 | 105 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.591 | -26.7 | 110 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.578 | -33.2# | 108 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.727 | -10.2 | 96 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.218 | -21.8 | 103 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.342 | -13.9 | 104 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.581 | -33.9# | 106 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.257 | -9.5 | 100 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.546 | -14.7 | 100 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.411 | -28.4 | 103 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.129 | -11.8 | 98 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.995 | -16.7 | 108 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.995 | -16.4 | 100 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.019 | -15.8 | 107 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.105 | -12.7 | 102 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.143 | -28.3 | 115 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.799 | -10.2 | 104 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.319 | -17.3 | 105 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 107 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.407 | -6.5 | 103 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.324 | -5.2 | 103 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.439 | -17.4 | 124 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.574 | -18.4 | 101 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.785 | -17.7 | 110 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.197 | -8.7 | 98 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.187 | -10.7 | 100 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.434 | -13.0 | 103 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.302 | -25.3 | 109 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.241 | -17.6 | 102 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 108 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.558 | -10.1 | 99 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.515 | -15.5 | 106 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.547 | -27.2 | 108 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.334 | -9.2 | 105 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.526 | -11.4 | 101 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.812 | -17.5 | 108 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.653 | 0.0 | 113 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.013 | 4.6 | 92 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.800 | 9.2 | 93 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.951 | -8.3 | 103 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.628 | 14.3 | 91 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.071 | 16.8 | 91 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 1.878 | -1.8 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.656 | 6.3 | 91 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.636 | 6.3 | 91 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 0.975 | -0.1 | 92 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.005 | -9.6 | 105 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.349 | -24.1 | 123 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.107 | 1.1 | 110 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.338 | 2.0 | 102 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.982 | 0.4 | 106 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 1.922 | 8.5 | 92 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.167 | 1.7 | 106 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.464 | 11.8 | 88 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.485 | 9.0 | 87 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 1.920 | 1.0 | 93 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.590 | 4.0 | 91 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.780 | 12.8 | 87 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.310 | 14.4 | 85 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.707 | 1.8 | 91 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.263 | 7.7 | 93 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.884 | -1.0 | 98 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.172 | 8.3 | 93 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.385 | 10.9 | 87 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.714 | 2.9 | 92 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.444 | 12.4 | 85 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.127 | 9.3 | 94 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.429 | 8.1 | 85 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.882 | -1.4 | 97 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.826 | -56.2# | 154# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.256 | -13.5 | 117 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.128 | 12.5 | 84 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.503 | 4.2 | 102 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 16 17:23:33 2024

6.9.6

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.616 | -18.0 | 81 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.821 | -10.9 | 91 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.465 | -21.1 | 96 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.629 | 5.9 | 78 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.113 | -12.6 | 91 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.032 | -12.2 | 100 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.360 | -16.5 | 97 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.805 | -7.2 | 89 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.474 | -0.6 | 86 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.714 | -3.3 | 87 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.073 | 3.7 | 84 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.200 | -3.0 | 92 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.690 | 3.4 | 87 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.740 | 2.4 | 85 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.935 | -5.0 | 92 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.331 | -7.9 | 95 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.585 | -8.5 | 90 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.021 | -6.6 | 92 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.013 | -0.3 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.683 | -9.1 | 91 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.334 | -9.1 | 92 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.651 | 19.3 | 84 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.238 | -16.5 | 96 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.362 | -19.3 | 95 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.155 | -10.3 | 90 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.682 | -21.6 | 96 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.789 | -0.6 | 84 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.544 | -3.6 | 85 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.729 | 13.0 | 91 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.130 | -7.7 | 93 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.599 | -23.8 | 96 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.151 | -23.6 | 102 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.218 | -10.1 | 90 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.534 | -25.9 | 93 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.531 | -24.6 | 95 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.582 | -34.1# | 95 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.867 | -19.1 | 92 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.213 | -19.0 | 89 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.409 | -17.2 | 94 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.591 | -36.2# | 95 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.282 | -11.7 | 90 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.568 | -19.3 | 91 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.430 | -34.4# | 95 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.409 | -26.5 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.047 | -18.7 | 97 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.103 | -22.7 | 92 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.046 | -16.8 | 95 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.193 | -15.9 | 93 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.148 | -28.6 | 101 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 87 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.806 | -11.2 | 93 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.313 | -15.1 | 91 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 95 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.406 | -6.3 | 91 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.329 | -6.8 | 93 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.462 | -23.5 | 115 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.633 | -30.5# | 99 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.790 | -18.4 | 98 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.269 | -15.3 | 92 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.189 | -11.8 | 90 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.476 | -24.0 | 100 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.303 | -25.7 | 97 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.248 | -21.0 | 93 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 96 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.551 | -8.7 | 87 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.516 | -15.7 | 94 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.542 | -26.0 | 95 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.338 | -10.5 | 94 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.575 | -21.8 | 92 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.859 | -24.3 | 96 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.715 | -9.5 | 103 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.099 | -3.5 | 84 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.901 | -2.3 | 87 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.107 | -26.1 | 101 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.698 | 4.8 | 84 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.199 | 6.8 | 85 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.000 | -8.5 | 89 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.722 | -3.1 | 84 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.712 | -4.9 | 85 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.083 | -11.2 | 85 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.169 | -27.5 | 102 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.501 | -38.1# | 115 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.131 | -1.1 | 94 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.454 | -6.5 | 93 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.059 | -7.4 | 95 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.126 | -1.2 | 85 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.257 | -5.9 | 95 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.529 | -0.6 | 84 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.549 | -3.0 | 82 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.116 | -9.1 | 86 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.768 | -6.7 | 85 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.874 | 2.3 | 82 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.355 | 1.9 | 81 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.921 | -10.5 | 86 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.467 | -7.2 | 90 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.070 | -10.9 | 90 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.361 | -6.5 | 91 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.431 | 0.2 | 81 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.920 | -8.7 | 86 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.506 | 0.2 | 81 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.301 | -4.7 | 91 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.491 | -5.1 | 82 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.996 | -14.5 | 92 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.903 | -62.8# | 134 | 0.00 | 23.36 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.545 | -39.6# | 120 | 0.00 | 23.21 |
| 108 | | NAPHTHALENE | 2.431 | 2.518 | -3.6 | 83 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.146 | -4.1 | 97 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55752.D Vial: 1
Acq On : 19 Dec 2024 4:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.660 | -21.3 | 94 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.882 | -19.2 | 111 | 0.00 | 3.54 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.486 | -26.6 | 114 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.748 | -0.9 | 95 | 0.00 | 3.60 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.404 | -20.5 | 111 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 1.106 | -20.2 | 122 | 0.00 | 3.59 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.432 | -18.4 | 112 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 5.010 | -11.8 | 106 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.492 | -4.5 | 101 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.776 | -7.1 | 103 | 0.00 | 3.92 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.112 | 0.2 | 99 | 0.00 | 4.02 |
| 13 | n-BUTANE | 2.136 | 2.269 | -6.2 | 108 | 0.00 | 4.06 |
| 14 | BROMOMETHANE | 1.749 | 1.754 | -0.3 | 102 | 0.00 | 4.22 |
| 15 | CHLOROETHANE | 0.758 | 0.782 | -3.2 | 103 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 4.030 | -7.5 | 107 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.353 | -9.6 | 110 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.590 | -9.5 | 103 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.134 | -9.6 | 108 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.080 | -3.7 | 100 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 4.029 | -19.3 | 113 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.576 | -20.4 | 115 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.666 | 17.5 | 97 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.322 | -24.4 | 117 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.408 | -21.0 | 110 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.176 | -12.3 | 105 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.764 | -24.3 | 112 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.848 | -8.2 | 103 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.629 | -9.3 | 102 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.770 | 8.1 | 109 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.139 | -8.6 | 106 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.608 | -25.6 | 111 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.172 | -24.8 | 117 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.242 | -12.3 | 104 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.607 | -29.5 | 109 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.690 | -30.2# | 113 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.597 | -37.6# | 111 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.974 | -26.0 | 110 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.232 | -29.6 | 109 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.483 | -20.8 | 111 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.606 | -39.6# | 111 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.309 | -14.0 | 104 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.591 | -24.2 | 108 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.452 | -41.3# | 114 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.519 | -32.2# | 115 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.143 | -22.4 | 113 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.221 | -29.6 | 111 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.124 | -19.8 | 111 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.301 | -19.8 | 109 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.216 | -32.7# | 119 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.844 | -16.4 | 111 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.327 | -20.2 | 108 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.181 | -23.1 | 114 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.420 | -9.9 | 107 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.347 | -12.7 | 111 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.483 | -29.1 | 137 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.665 | -37.1# | 118 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.820 | -22.9 | 116 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.338 | -21.5 | 110 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.198 | -17.2 | 107 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.499 | -29.9 | 119 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.319 | -32.4# | 116 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.259 | -26.3 | 111 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.598 | -28.1 | 114 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.580 | -14.4 | 104 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.542 | -21.5 | 112 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.569 | -32.3# | 113 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.355 | -16.0 | 112 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 110 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.603 | -27.8 | 112 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.892 | -29.1 | 115 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.735 | -12.6 | 123 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.134 | -6.8 | 100 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.917 | -4.1 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.148 | -30.8# | 121 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.712 | 2.9 | 100 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.222 | 5.1 | 100 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.044 | -10.8 | 106 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.740 | -5.7 | 100 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.722 | -6.3 | 99 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.099 | -12.8 | 100 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.205 | -31.4# | 122 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.547 | -42.3# | 137 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.108 | 1.0 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.488 | -9.0 | 110 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.068 | -8.3 | 111 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.181 | -3.8 | 102 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.281 | -7.9 | 112 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.535 | -1.7 | 98 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.553 | -3.8 | 96 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.140 | -10.4 | 100 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.780 | -7.4 | 99 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.888 | 0.8 | 96 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.362 | 0.0 | 96 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.953 | -12.3 | 101 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.490 | -8.8 | 106 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.061 | -10.5 | 103 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.366 | -6.9 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.436 | -0.9 | 95 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2135-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55752.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.929 | -9.2 | 100 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.508 | -0.2 | 94 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.298 | -4.4 | 105 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.489 | -4.7 | 94 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.995 | -14.4 | 106 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.877 | -60.6# | 153# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.517 | -37.0# | 137 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.441 | -0.4 | 93 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.517 | -8.8 | 115 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Fri Dec 20 13:43:47 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.576 | -15.1 | 73 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.755 | -2.0 | 77 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.424 | -10.4 | 81 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.650 | 4.7 | 73 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.849 | -5.3 | 79 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.899 | 2.3 | 81 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.017 | -7.3 | 83 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.880 | -8.9 | 84 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.457 | 3.0 | 77 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.758 | -6.0 | 83 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.101 | 1.2 | 80 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.183 | -2.2 | 85 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.720 | 1.7 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.767 | -1.2 | 82 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.850 | -2.7 | 83 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.281 | -3.8 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.573 | -6.3 | 82 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.934 | -4.3 | 84 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.004 | 0.1 | 79 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.559 | -5.4 | 81 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.115 | 1.2 | 77 | -0.01 | 5.02 |
| 23 | ACETONE | 0.807 | 0.643 | 20.3 | 77 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.069 | -0.6 | 77 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.248 | -15.3 | 85 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.054 | -0.7 | 77 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.246 | -7.2 | 79 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.816 | -4.1 | 81 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.553 | -4.2 | 79 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.640 | 23.6 | 74 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.011 | 3.6 | 77 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.533 | -10.1 | 79 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.113 | -21.4 | 93 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.113 | -0.6 | 76 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.233 | -10.9 | 76 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.237 | -14.2 | 81 | -0.01 | 6.70 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.537 | -23.7 | 82 | -0.01 | 8.23 |
| 38 | HEXANE | 1.567 | 1.618 | -3.3 | 74 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.207 | -15.6 | 80 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.126 | -3.4 | 77 | 0.00 | 6.64 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.541 | -24.7 | 81 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.169 | -1.8 | 76 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.509 | -6.9 | 76 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.366 | -14.4 | 75 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.072 | -8.8 | 78 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.723 | -6.1 | 80 | 0.00 | 7.80 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.853 | -8.1 | 75 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.720 | -4.3 | 79 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.922 | -6.1 | 79 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.865 | -11.7 | 82 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 81 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.750 | -3.4 | 80 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.299 | -9.9 | 80 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.161 | -9.5 | 82 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.378 | 1.0 | 78 | -0.01 | 10.64 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.300 | 2.6 | 78 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.481 | -28.6 | 111 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.554 | -14.2 | 80 | -0.01 | 10.40 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.711 | -6.6 | 82 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.115 | -1.3 | 74 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 78 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.419 | -9.1 | 81 | 0.00 | 11.02 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.280 | -16.2 | 83 | 0.00 | 10.93 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.226 | -10.2 | 79 | -0.01 | 11.78 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.529 | -13.3 | 82 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.535 | -5.5 | 78 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.477 | -7.0 | 80 | -0.01 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.501 | -16.5 | 81 | -0.01 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.311 | -1.6 | 80 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.549 | -16.3 | 78 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.834 | -20.7 | 83 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.781 | -19.6 | 100 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.117 | -5.2 | 76 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.882 | -0.1 | 76 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.021 | -16.3 | 82 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.695 | 5.2 | 75 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.192 | 7.4 | 75 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 1.956 | -6.1 | 78 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.737 | -5.3 | 76 | -0.02 | 16.21 |
| 81 | | o-XYLENE | 0.679 | 0.710 | -4.6 | 75 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.094 | -12.3 | 76 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.065 | -16.1 | 83 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.581 | -45.4# | 107 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.122 | -0.3 | 83 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.359 | 0.4 | 77 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.985 | 0.1 | 79 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.132 | -1.5 | 76 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.198 | -0.9 | 81 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.533 | -1.3 | 75 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.564 | -5.8 | 75 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.118 | -9.2 | 76 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.783 | -7.6 | 76 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.906 | -1.2 | 75 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.384 | -6.1 | 78 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.930 | -11.0 | 77 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.513 | -10.5 | 83 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.983 | -6.3 | 76 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.411 | -10.4 | 84 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.464 | -7.4 | 78 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.932 | -9.4 | 77 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.543 | -7.1 | 77 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.346 | -8.3 | 84 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.532 | -13.9 | 79 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.986 | -13.3 | 81 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.195 | -87.8# | 138 | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.801 | -62.7# | 125 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.697 | -10.9 | 79 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.142 | 8.8 | 79 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

# Initial Calibration Summary



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICC305
**Lab FileID:** 7W07980.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.410 | 1.323 | 1.332 | 1.370 | 0.628 | 1.427 | 1.321 | 1.450 | | 1.282 | 20.97 |
| 3) FREON 152A | 0.766 | 0.691 | 0.666 | 0.702 | 0.665 | 0.692 | 0.673 | 0.681 | 0.695 | 0.692 | 4.39 |
| 4) CHLORODIFLUOROMETHANE | 0.341 | 0.319 | 0.348 | 0.350 | 0.313 | 0.337 | 0.326 | 0.329 | 0.340 | 0.334 | 3.87 |
| 5) CHLOROTRIFLUOROETHENE | 1.776 | 1.676 | 1.535 | 1.621 | 1.510 | 1.603 | 1.570 | 1.636 | 1.676 | 1.623 | 5.00 |
| 6) DICHLORODIFLUOROMETHANE | 3.889 | 3.781 | 3.954 | 3.963 | 3.920 | 4.135 | 4.066 | 4.167 | 4.214 | 4.010 | 3.59 |
| 7) PROPYLENE | 1.094 | 1.136 | 0.965 | 0.913 | 0.864 | 0.902 | 0.889 | 0.913 | 0.948 | 0.958 | 9.85 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 3.272 | 3.202 | 3.328 | 3.433 | 3.252 | 3.450 | 3.399 | 3.437 | 3.443 | 3.357 | 2.85 |
| 9) FREON 114 | 3.127 | 3.393 | 3.214 | 3.441 | 3.334 | 3.519 | 3.484 | 3.579 | 3.609 | 3.411 | 4.77 |
| 10) CHLOROMETHANE | 0.752 | 0.540 | 0.501 | 0.489 | 0.467 | 0.488 | 0.475 | 0.483 | 0.479 | 0.519 | 17.25 |
| 11) VINYL CHLORIDE | 1.748 | 1.508 | 1.584 | 1.620 | 1.573 | 1.612 | 1.570 | 1.583 | 1.572 | 1.597 | 4.07 |
| 12) 1,3-BUTADIENE | 1.426 | 1.317 | 1.348 | 1.274 | 1.229 | 1.296 | 1.252 | 1.268 | 1.275 | 1.298 | 4.56 |
| 13) N-BUTANE | 2.469 | 2.388 | 2.309 | 2.447 | 2.292 | 2.405 | 2.323 | 2.351 | 2.355 | 2.371 | 2.58 |
| 14) BROMOMETHANE | 1.376 | 1.314 | 1.295 | 1.306 | 1.211 | 1.264 | 1.230 | 1.248 | 1.248 | 1.277 | 3.98 |
| 15) CHLOROETHANE | 0.821 | 0.738 | 0.826 | 0.853 | 0.820 | 0.839 | 0.821 | 0.826 | 0.817 | 0.818 | 3.91 |
| 16) DICHLOROFLUOROMETHANE | 2.969 | 2.937 | 3.144 | 3.211 | 3.077 | 3.224 | 3.132 | 3.217 | 3.219 | 3.126 | 3.52 |
| 17) ACETONITRILE | 1.809 | 1.911 | 1.622 | 1.405 | 1.433 | 1.401 | 1.424 | 1.414 | | 1.552 | 13.19 |
| 18) ACROLEIN | 0.969 | 0.801 | 0.726 | 0.727 | 0.762 | 0.739 | 0.754 | 0.758 | | 0.779 | 10.32 |
| 19) FREON 123 | 3.302 | 2.915 | 3.162 | 3.138 | 3.083 | 3.234 | 3.174 | 3.273 | 3.305 | 3.176 | 3.92 |
| 20) FREON 123A | 1.695 | 1.757 | 1.752 | 1.832 | 1.796 | 1.886 | 1.860 | 1.906 | 1.913 | 1.822 | 4.21 |
| 21) TRICHLOROFLUOROMETHANE | 3.507 | 3.486 | 3.424 | 3.639 | 3.527 | 3.726 | 3.643 | 3.717 | 3.694 | 3.596 | 3.10 |
| 22) ISOPROPYL ALCOHOL | 4.381 | 3.891 | 3.555 | 3.314 | 2.991 | 3.250 | 3.022 | 3.012 | 3.067 | 3.387 | 14.11 |
| 23) ACETONE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1.285 | 0.991 | 0.851 | 0.841 | 0.818 | 0.841 | 0.836 | 0.923 | 18.38 |
| 24) | PENTANE | | | | | | | | | | |
| | | 2.149 | 1.846 | 1.699 | 1.714 | 1.614 | 1.648 | 1.601 | 1.606 | 1.607 | 1.720 | 10.40 |
| 25) | IODOMETHANE | | | | | | | | | | |
| | | 2.782 | 2.914 | 3.026 | 3.144 | 3.102 | 3.247 | 3.191 | 3.256 | 3.255 | 3.102 | 5.37 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | |
| | | 1.339 | 1.349 | 1.334 | 1.339 | 1.302 | 1.359 | 1.329 | 1.342 | 1.349 | 1.338 | 1.21 |
| 27) | CARBON DISULFIDE | | | | | | | | | | |
| | | 3.488 | 3.732 | 3.787 | 3.791 | 3.810 | 4.022 | 4.015 | 4.214 | 4.238 | 3.900 | 6.23 |
| 28) | ETHANOL | | | | | | | | | | |
| | | | 1.215 | 1.135 | 0.882 | 0.863 | 0.799 | 0.782 | 0.802 | 0.925 | 18.97 |
| 29) | BROMOETHENE | | | | | | | | | | |
| | | 1.229 | 1.137 | 1.176 | 1.238 | 1.187 | 1.262 | 1.245 | 1.256 | 1.261 | 1.221 | 3.63 |
| 30) | ACRYLONITRILE | | | | | | | | | | |
| | | 1.663 | 1.236 | 1.359 | 1.289 | 1.182 | 1.167 | 1.129 | 1.137 | 1.136 | 1.255 | 13.68 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | |
| | | | 1.830 | 1.573 | 1.404 | 1.212 | 1.269 | 1.236 | 1.243 | 1.250 | 1.377 | 15.94 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | |
| | | 0.791 | 0.697 | 0.733 | 0.656 | 0.661 | 0.700 | 0.684 | 0.705 | 0.714 | 0.705 | 5.74 |
| 33) | FREON 113 | | | | | | | | | | |
| | | 1.953 | 2.006 | 2.100 | 2.122 | 2.068 | 2.169 | 2.152 | 2.189 | 2.196 | 2.106 | 3.98 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.439 | 1.274 | 1.263 | 1.355 | 1.236 | 1.309 | 1.280 | 1.290 | 1.299 | 1.305 | 4.60 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | |
| | | 3.331 | 3.384 | 3.189 | 3.305 | 2.885 | 3.383 | 3.211 | 3.229 | 3.343 | 3.251 | 4.78 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | |
| | | 3.163 | 3.190 | 3.191 | 3.189 | 3.103 | 3.315 | 3.318 | 3.482 | 3.557 | 3.279 | 4.70 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | |
| | | 0.452 | 0.624 | 0.640 | 0.618 | 0.634 | 0.666 | 0.655 | 0.666 | 0.667 | 0.625 | 10.78 |
| 38) | HEXANE | | | | | | | | | | |
| | | 3.362 | 2.615 | 2.581 | 2.590 | 2.513 | 2.671 | 2.671 | 2.777 | 2.784 | 2.729 | 9.28 |
| 39) | VINYL ACETATE | | | | | | | | | | |
| | | | 0.272 | 0.260 | 0.243 | 0.276 | 0.304 | 0.324 | 0.351 | 0.358 | 0.298 | 14.25 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | |
| | | 2.584 | 2.330 | 2.424 | 2.438 | 2.346 | 2.451 | 2.406 | 2.454 | 2.453 | 2.432 | 3.01 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | |
| | | 0.587 | 0.696 | 0.659 | 0.674 | 0.645 | 0.676 | 0.667 | 0.688 | 0.695 | 0.665 | 5.07 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.410 | 1.399 | 1.355 | 1.426 | 1.322 | 1.389 | 1.356 | 1.395 | 1.404 | 1.384 | 2.37 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | |
| | | 0.558 | 0.733 | 0.632 | 0.706 | 0.701 | 0.744 | 0.754 | 0.779 | 0.785 | 0.710 | 10.38 |
| 44) | ETHYL ACETATE | | | | | | | | | | |
| | | 0.474 | 0.551 | 0.516 | 0.477 | 0.496 | 0.531 | 0.531 | 0.558 | 0.560 | 0.522 | 6.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | |
| | | 2.541 | 2.807 | 2.755 | 2.859 | 2.914 | 3.135 | 3.174 | 3.354 | 3.367 | 2.989 | 9.48 |
| 46) | CHLOROFORM | | | | | | | | | | |
| | | 2.646 | 2.807 | 2.779 | 2.816 | 2.689 | 2.876 | 2.826 | 2.888 | 2.865 | 2.799 | 2.96 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | |
| | | 2.729 | 3.054 | 2.793 | 2.988 | 2.813 | 2.955 | 2.896 | 3.028 | 3.020 | 2.920 | 4.02 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | |
| | | 2.474 | 2.500 | 2.353 | 2.453 | 2.343 | 2.561 | 2.618 | 2.798 | 2.832 | 2.548 | 6.87 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | |
| | | 2.051 | 2.325 | 2.277 | 2.344 | 2.366 | 2.602 | 2.682 | 2.902 | 2.961 | 2.501 | 12.18 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | |
| | | 1.957 | 2.162 | 2.154 | 2.195 | 2.048 | 2.139 | 2.092 | 2.177 | 2.182 | 2.123 | 3.66 |
| 51) | BENZENE | | | | | | | | | | |
| | | 4.645 | 4.341 | 4.061 | 4.092 | 3.835 | 3.998 | 3.955 | 4.074 | 4.073 | 4.119 | 5.80 |
| 52) | I 1,4-DIFLUOROBENZENE | ----------ISTD---------- | | | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.369 | 0.346 | 0.343 | 0.352 | 0.340 | 0.351 | 0.349 | 0.367 | 0.363 | 0.353 | 2.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.170 | 0.164 | 0.179 | 0.182 | 0.179 | 0.185 | 0.183 | 0.193 | 0.193 | 0.181 | 5.20 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.398 | 0.396 | 0.357 | 0.373 | 0.365 | 0.380 | 0.376 | 0.401 | 0.401 | 0.383 | 4.32 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.333 | 0.350 | 0.324 | 0.336 | 0.327 | 0.347 | 0.336 | 0.359 | 0.356 | 0.341 | 3.70 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.338 | 0.344 | 0.317 | 0.319 | 0.303 | 0.314 | 0.308 | 0.326 | 0.325 | 0.321 | 4.17 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.690 | 0.695 | 0.682 | 0.662 | 0.696 | 0.748 | 0.759 | 0.821 | 0.830 | 0.731 | 8.42 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.513 | 0.538 | 0.542 | 0.547 | 0.578 | 0.618 | 0.621 | 0.666 | 0.668 | 0.588 | 9.80 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.621 | 1.605 | 1.636 | 1.614 | 1.577 | 1.612 | 1.580 | 1.672 | 1.650 | 1.619 | 1.91 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | | 0.177 | 0.255 | 0.238 | 0.213 | 0.206 | 0.190 | 0.198 | 0.201 | 0.210 | 12.16 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.586 | 0.559 | 0.576 | 0.557 | 0.538 | 0.559 | 0.559 | 0.593 | 0.587 | 0.568 | 3.21 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.303 | 0.292 | 0.300 | 0.280 | 0.291 | 0.307 | 0.310 | 0.335 | 0.335 | 0.306 | 6.10 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.397 | 0.363 | 0.379 | 0.349 | 0.335 | 0.331 | 0.323 | 0.339 | 0.333 | 0.350 | 7.08 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.352 | 0.383 | 0.374 | 0.375 | 0.419 | 0.463 | 0.487 | 0.537 | 0.541 | 0.437 | 16.64 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 1.112 | 1.040 | 1.039 | 1.032 | 1.007 | 1.061 | 1.057 | 1.119 | 1.108 | 1.064 | 3.76 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.501 | 0.487 | 0.509 | 0.512 | 0.507 | 0.534 | 0.536 | 0.565 | 0.553 | 0.523 | 4.98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | | 0.267 | 0.259 | 0.266 | 0.319 | 0.371 | 0.416 | 0.478 | 0.488 | 0.358 | 26.45 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.267 | 0.292 | 0.278 | 0.288 | 0.284 | 0.297 | 0.295 | 0.310 | 0.309 | 0.291 | 4.78 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.598 | 0.620 | 0.572 | 0.553 | 0.517 | 0.491 | 0.484 | 0.491 | 0.478 | 0.534 | 10.04 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.458 | 0.451 | 0.463 | 0.448 | 0.491 | 0.524 | 0.545 | 0.590 | 0.584 | 0.506 | 11.22 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.463 | 0.385 | 0.390 | 0.357 | 0.348 | 0.360 | 0.359 | 0.381 | 0.379 | 0.380 | 8.99 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.434 | 0.488 | 0.472 | 0.491 | 0.549 | 0.599 | 0.623 | 0.678 | 0.681 | 0.557 | 16.50 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.497 | 0.457 | 0.478 | 0.477 | 0.496 | 0.533 | 0.534 | 0.571 | 0.568 | 0.512 | 8.00 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 1.122 | 0.866 | 0.835 | 0.792 | 0.775 | 0.810 | 0.806 | 0.852 | 0.836 | 0.855 | 12.18 |
| 76) | I CHLOROBENZENE-D5 | ----------ISTD---------- | | | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.389 | 0.401 | 0.377 | 0.364 | 0.403 | 0.443 | 0.463 | 0.507 | 0.513 | 0.429 | 12.93 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.901 | 0.981 | 0.941 | 0.950 | 0.939 | 0.968 | 0.976 | 1.030 | 1.026 | 0.968 | 4.31 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.712 | 1.561 | 1.546 | 1.530 | 1.507 | 1.550 | 1.567 | 1.652 | 1.657 | 1.587 | 4.37 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 1.338 | 1.226 | 1.195 | 1.209 | 1.202 | 1.246 | 1.249 | 1.310 | 1.306 | 1.253 | 4.19 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 1.276 | 1.232 | 1.206 | 1.207 | 1.201 | 1.249 | 1.268 | 1.341 | 1.345 | 1.258 | 4.37 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.842 | 0.861 | 0.852 | 0.862 | 0.892 | 0.925 | 0.944 | 1.006 | 1.010 | 0.910 | 7.13 |
| 83) | NONANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2487 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

# Initial Calibration Verification



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.339 | -4.4 | 94 | 0.00 | 1.61 |
| 3 | T | FREON 152A | 0.692 | 0.659 | 4.8 | 95 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.311 | 6.9 | 92 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.535 | 5.4 | 95 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.114 | -2.6 | 99 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 0.844 | 11.9 | 93 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.483 | -3.8 | 101 | 0.00 | 1.72 |
| 9 | T | FREON 114 | 3.411 | 3.581 | -5.0 | 101 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.486 | 6.4 | 99 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.598 | -0.1 | 99 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.256 | 3.2 | 97 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.342 | 1.2 | 97 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.271 | 0.5 | 100 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.828 | -1.2 | 98 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.292 | -5.3 | 102 | 0.00 | 1.98 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 102 | 0.00 | 2.05 |
| 18 | T | ACROLEIN | 0.779 | 0.760 | 2.4 | 99 | 0.00 | 2.09 |
| 19 | T | FREON 123 | 3.176 | 3.121 | 1.7 | 96 | 0.00 | 2.10 |
| 20 | T | FREON 123A | 1.822 | 1.735 | 4.8 | 92 | 0.00 | 2.12 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.751 | -4.3 | 100 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.362 | 0.7 | 103 | 0.00 | 2.21 |
| 23 | T | ACETONE | 0.923 | 0.836 | 9.4 | 99 | 0.00 | 2.13 |
| 24 | T | PENTANE | 1.720 | 1.599 | 7.0 | 97 | 0.00 | 2.30 |
| 25 | T | IODOMETHANE | 3.102 | 3.305 | -6.5 | 101 | 0.00 | 2.36 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.386 | -3.6 | 102 | 0.00 | 2.39 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.327 | -10.9 | 107 | 0.00 | 2.52 |
| 28 | T | ETHANOL | 0.925 | 0.759 | 17.9 | 88 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.279 | -4.8 | 101 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.150 | 8.4 | 98 | 0.00 | 2.27 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.301 | 5.5 | 102 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.704 | 0.1 | 100 | 0.00 | 2.47 |
| 33 | T | FREON 113 | 2.106 | 2.269 | -7.7 | 104 | 0.00 | 2.52 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.340 | -2.7 | 102 | 0.00 | 2.75 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.902 | -20.0 | 115 | -0.01 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.328 | -1.5 | 100 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.640 | -2.4 | 96 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.432 | 10.9 | 91 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.318 | -6.7 | 104 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.353 | 3.2 | 96 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.636 | 4.4 | 94 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.344 | 2.9 | 96 | 0.00 | 3.19 |

# Initial Calibration Verification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.699 | 1.5 | 94 | 0.00 | 3.32 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.486 | 6.9 | 91 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 2.977 | 0.4 | 95 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.786 | 0.5 | 97 | 0.00 | 3.34 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 2.738 | 6.2 | 92 | 0.00 | 3.83 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.487 | 2.4 | 97 | 0.00 | 3.91 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.437 | 2.6 | 93 | 0.00 | 4.33 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.036 | 4.1 | 95 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 3.772 | 8.4 | 94 | 0.00 | 4.22 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.339 | 4.0 | 94 | 0.00 | 4.43 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.178 | 1.7 | 94 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.371 | 3.1 | 96 | 0.00 | 5.12 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.332 | 2.6 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.315 | 1.9 | 98 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.731 | 0.0 | 96 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.601 | -2.2 | 95 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.510 | 6.7 | 92 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.196 | 6.7 | 93 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.517 | 9.0 | 90 | 0.00 | 5.53 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.302 | 1.3 | 96 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.313 | 10.6 | 92 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.425 | 2.7 | 90 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.019 | 4.2 | 94 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.366 | -2.2 | 97 | 0.00 | 6.73 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.294 | -1.0 | 97 | 0.00 | 6.89 |
| 70 | T | 2-HEXANONE | 0.534 | 0.460 | 13.9 | 91 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.529 | -4.5 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 96 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.581 | -4.3 | 95 | 0.00 | 7.79 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.521 | -1.8 | 96 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.745 | 12.9 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.429 | 0.0 | 94 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.941 | 2.8 | 95 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.502 | 5.4 | 94 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.194 | 4.7 | 93 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.192 | 5.2 | 93 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.891 | 2.1 | 94 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.903 | 9.2 | 90 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.548 | -0.7 | 91 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.875 | 1.2 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 93 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.729 | 0.7 | 98 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.469 | 1.7 | 95 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.886 | 1.8 | 95 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.442 | -1.1 | 96 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.490 | 0.2 | 94 | 0.00 | 15.29 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.702 | 2.1 | 92 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.428 | 2.3 | 93 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.806 | -3.7 | 97 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.344 | 1.7 | 95 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.502 | 1.7 | 93 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.634 | -42.5# | 109 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.011 | 0.9 | 94 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.984 | 2.7 | 95 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.956 | 2.0 | 95 | 0.00 | 17.04 |

# Initial Calibration Verification

**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.444 | -0.9 | 95 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.505 | 2.7 | 94 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.494 | -0.6 | 95 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 94 | 0.00 | 17.43 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.465 | 1.7 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.720 | 1.9 | 98 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.928 | 5.0 | 95 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.550 | 0.2 | 103 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.972 | 8.1 | 97 | 0.00 | 2.30 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10299.d Vial: 2
Acq On : 6 Nov 2024 9:06 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.658 | -29.3 | 86 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.923 | -33.4# | 98 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.366 | -9.6 | 80 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.891 | -16.5 | 87 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 3.934 | 1.9 | 70 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.201 | -25.4 | 98 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.838 | 15.5 | 61 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.196 | 6.3 | 67 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.496 | 4.4 | 75 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.668 | -4.4 | 76 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.353 | -4.2 | 77 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.461 | -3.8 | 75 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.174 | 8.1 | 69 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.865 | -5.7 | 76 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.041 | 2.7 | 70 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.601 | -3.2 | 82 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.793 | -1.8 | 77 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.044 | 4.2 | 69 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.696 | 6.9 | 66 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.213 | 10.7 | 64 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.297 | 2.7 | 75 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.922 | 0.1 | 81 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.814 | -5.5 | 81 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.798 | 9.8 | 64 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.227 | 8.3 | 67 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.447 | 11.6 | 63 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.920 | 0.5 | 79 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.165 | 4.6 | 68 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.213 | 3.3 | 77 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.147 | 16.7 | 67 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.618 | 12.3 | 65 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.784 | 15.3 | 61 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.366 | -4.7 | 77 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.028 | 6.9 | 66 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.644 | -11.1 | 81 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.734 | -17.4 | 81 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 3.031 | -11.1 | 84 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.331 | -11.1 | 80 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.910 | -19.7 | 88 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.763 | -14.7 | 83 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.476 | -6.6 | 78 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.826 | -16.3 | 82 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.601 | -15.1 | 84 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.470 | -16.1 | 82 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.822 | -0.8 | 72 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.453 | -18.3 | 86 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.681 | -5.2 | 77 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.757 | -10.2 | 78 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.147 | -1.1 | 74 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.388 | -6.5 | 81 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.380 | -7.6 | 80 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.206 | -13.8 | 82 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.386 | -0.8 | 75 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.400 | -17.3 | 85 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.317 | 1.2 | 74 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.842 | -15.2 | 83 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.628 | -6.8 | 75 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.852 | -14.4 | 85 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.220 | -4.8 | 79 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.633 | -11.4 | 83 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.337 | -10.1 | 81 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.362 | -3.4 | 80 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.511 | -16.9 | 81 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.074 | -0.9 | 74 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.547 | -4.6 | 75 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.436 | -21.8 | 86 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.315 | -8.2 | 78 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.522 | 2.2 | 78 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.574 | -13.4 | 81 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.376 | 1.1 | 77 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.598 | -7.4 | 73 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.540 | -5.5 | 75 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.882 | -3.2 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 10.13 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.460 | -7.2 | 77 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.913 | 5.7 | 70 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.505 | 5.2 | 72 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.179 | 5.9 | 70 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.179 | 6.3 | 70 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.903 | 0.8 | 72 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.999 | -0.4 | 76 | 0.00 | 13.57 |
| 84 | T | BROMOFORM | 0.544 | 0.582 | -7.0 | 74 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.877 | 1.0 | 72 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 71 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.712 | 3.0 | 73 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.448 | 6.1 | 69 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.865 | 4.1 | 70 | 0.00 | 13.83 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.412 | 5.7 | 69 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.472 | 3.9 | 69 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.681 | 3.3 | 70 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.375 | 6.0 | 68 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.734 | 5.5 | 68 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.322 | 8.0 | 68 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.404 | 8.1 | 66 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.823 | -84.9# | 108 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 68 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.934 | 7.6 | 69 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.894 | 8.4 | 68 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W379-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10299.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 67 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.382 | 10.7 | 66 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.450 | 8.4 | 66 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.450 | 7.8 | 66 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.510 | -7.8 | 77 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.704 | 4.1 | 73 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.874 | 10.5 | 68 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.023 | 20.8 | 62 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 74 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 8.339 | 3.9 | 75 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Nov 07 04:35:52 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 2 | T | FREON 115 | 1.282 | 1.751 | -36.6# | 98 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.896 | -29.5 | 103 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.350 | -4.8 | 82 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.974 | -21.6 | 98 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.006 | 0.1 | 77 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.105 | -15.3 | 97 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.741 | 18.3 | 63 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.281 | 3.8 | 74 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.443 | 14.6 | 72 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.580 | 1.1 | 78 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.191 | 8.2 | 73 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 1.995 | 15.9 | 66 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.238 | 3.1 | 78 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.842 | -2.9 | 80 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.996 | 4.2 | 74 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.302 | 16.1 | 72 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.718 | 7.8 | 75 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.134 | 1.3 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.837 | -0.8 | 77 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.386 | 5.8 | 72 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 2.874 | 15.1 | 70 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.893 | 3.3 | 84 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.489 | 13.4 | 72 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.311 | -6.7 | 81 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.303 | 2.6 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.511 | 10.0 | 69 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.784 | 15.2 | 72 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.289 | -5.6 | 81 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.082 | 13.8 | 74 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.185 | 13.9 | 74 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.629 | 10.8 | 71 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.070 | 1.7 | 76 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.420 | -8.8 | 86 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.965 | 8.8 | 70 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.620 | -10.4 | 87 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.712 | -13.9 | 85 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.946 | -8.0 | 88 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.338 | -13.4 | 88 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.846 | -17.0 | 92 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.744 | -11.9 | 87 | 0.00 | 3.01 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 84 | 0.01 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.812 | -14.4 | 87 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.572 | -9.6 | 86 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.335 | -11.6 | 85 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.797 | 0.1 | 77 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.308 | -13.3 | 89 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.738 | -7.5 | 85 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.867 | -14.6 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.055 | 3.2 | 76 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.293 | -4.2 | 85 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.358 | -1.4 | 84 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.191 | -5.5 | 85 | 0.00 | 4.70 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.372 | 2.9 | 80 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.375 | -10.0 | 89 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.325 | -1.2 | 85 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.786 | -7.5 | 86 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.602 | -2.4 | 80 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.727 | -6.7 | 88 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.202 | 3.8 | 81 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.573 | -0.9 | 84 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.321 | -4.9 | 86 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 84 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.496 | -13.5 | 88 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.020 | 4.1 | 79 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.516 | 1.3 | 79 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.429 | -19.8 | 95 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.296 | -1.7 | 82 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.484 | 9.4 | 81 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.537 | -6.1 | 84 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.381 | -0.3 | 87 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.600 | -7.7 | 82 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.520 | -1.6 | 80 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.790 | 7.6 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.459 | -7.0 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.879 | 9.2 | 76 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.418 | 10.6 | 76 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.118 | 10.8 | 75 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.118 | 11.1 | 75 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.860 | 5.5 | 77 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.887 | 10.9 | 75 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.598 | -9.9 | 85 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.832 | 6.1 | 76 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.649 | 9.4 | 74 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.681 | 7.2 | 78 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.439 | 8.0 | 76 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.818 | 9.3 | 75 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.402 | 8.0 | 75 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.459 | 6.5 | 76 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.624 | 6.6 | 75 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.314 | 10.1 | 73 | 0.00 | 15.99 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.701 | 9.8 | 72 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.319 | 8.9 | 76 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.357 | 11.2 | 72 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.850 | -91.0# | 125 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 76 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.931 | 7.9 | 77 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.892 | 8.6 | 76 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 75 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.334 | 13.8 | 71 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.444 | 9.6 | 73 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.445 | 8.8 | 73 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.499 | -5.5 | 85 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.703 | 4.2 | 82 | -0.01 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.850 | 13.0 | 74 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.975 | 22.7 | 68 | -0.01 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.045 | 18.8 | 68 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

# Continuing Calibration Summary



**Job Number:** JE2487 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.597 | -24.6 | 106 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.845 | -22.1 | 116 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.367 | -9.9 | 103 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.750 | -7.8 | 104 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.015 | -0.1 | 92 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.036 | -8.1 | 109 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.440 | -2.5 | 95 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.591 | -5.3 | 97 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.525 | -1.2 | 102 | 0.00 | 1.74 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.831 | -14.7 | 108 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.394 | -7.4 | 102 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.511 | -5.9 | 99 | 0.00 | 1.86 |
| 14 | T | BROMOMETHANE | 1.277 | 1.268 | 0.7 | 95 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.894 | -9.3 | 101 | 0.00 | 1.97 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.273 | -4.7 | 96 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.517 | 2.3 | 101 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.741 | 4.9 | 92 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.251 | -2.4 | 96 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.740 | 4.5 | 88 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.411 | 5.1 | 87 | 0.00 | 2.20 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.192 | 5.8 | 93 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.924 | -0.1 | 104 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.710 | 0.6 | 99 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.955 | 4.7 | 86 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.347 | -0.7 | 94 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.075 | -4.5 | 96 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.966 | -4.4 | 106 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.218 | 0.2 | 92 | 0.00 | 2.07 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.180 | 6.0 | 96 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.321 | 4.1 | 99 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.729 | -3.4 | 99 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.904 | 9.6 | 83 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.312 | -0.5 | 95 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.494 | -7.5 | 98 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.587 | -9.4 | 103 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.694 | -11.0 | 99 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.834 | -3.8 | 101 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.330 | -10.7 | 103 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.841 | -16.8 | 110 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.732 | -10.1 | 103 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.473 | -6.4 | 101 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.788 | -11.0 | 101 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.571 | -9.4 | 102 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.277 | -9.6 | 99 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.905 | -3.8 | 96 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.178 | -8.8 | 102 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.774 | -8.9 | 103 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.738 | -9.5 | 100 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.191 | -3.2 | 97 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 4.181 | -1.5 | 99 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.363 | -2.8 | 102 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.188 | -3.9 | 101 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.373 | 2.6 | 97 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.367 | -7.6 | 105 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.317 | 1.2 | 100 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.756 | -3.4 | 100 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.611 | -3.9 | 98 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.632 | -0.8 | 100 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.199 | 5.2 | 96 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.526 | 7.4 | 93 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.310 | -1.3 | 100 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.325 | 7.1 | 97 | 0.00 | 6.18 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.489 | -11.9 | 104 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 0.993 | 6.7 | 92 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 95 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.425 | -18.7 | 113 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.301 | -3.4 | 100 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.459 | 14.0 | 92 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.522 | -3.2 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.379 | 0.3 | 104 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.577 | -3.6 | 95 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.526 | -2.7 | 98 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.739 | 13.6 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.507 | -18.2 | 103 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.982 | -1.4 | 91 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.539 | 3.0 | 89 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.217 | 2.9 | 88 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.228 | 2.4 | 88 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.932 | -2.4 | 91 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.955 | 4.0 | 88 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.603 | -10.8 | 93 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.948 | -7.0 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.736 | -2.8 | 91 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.716 | 2.5 | 89 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.492 | -3.1 | 92 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.910 | -0.9 | 90 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.455 | -4.1 | 92 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.517 | -5.3 | 92 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.764 | -1.5 | 88 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.445 | 1.2 | 87 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.776 | 0.1 | 87 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.360 | -2.9 | 92 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.525 | 0.2 | 87 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.913 | -105.2# | 145# | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.065 | -4.4 | 91 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 1.028 | -1.7 | 91 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.983 | -0.7 | 91 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2487 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.463 | -5.2 | 92 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.509 | 2.5 | 87 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.518 | -5.5 | 92 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.511 | -4.7 | 90 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.554 | -17.1 | 101 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.795 | -8.3 | 100 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.971 | 0.6 | 92 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.197 | 14.0 | 82 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 8.196 | 5.6 | 95 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

6.9.14

6

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V3W3499 **Method:** TO-15 **Instrument ID:** GCMS3W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V3W3499-BFB | 3W88654.D | 09/09/24 02:29 | n/a | BFB Tune |
| V3W3499-IC3499 | 3W88655.D | 09/09/24 03:09 | n/a | Initial cal 0.04 |
| V3W3499-IC3499 | 3W88656.D | 09/09/24 03:49 | n/a | Initial cal 0.1 |
| V3W3499-IC3499 | 3W88657.D | 09/09/24 04:30 | n/a | Initial cal 0.2 |
| V3W3499-IC3499 | 3W88659.D | 09/09/24 05:54 | n/a | Initial cal 0.5 |
| V3W3499-IC3499 | 3W88661.D | 09/09/24 07:18 | n/a | Initial cal 5 |
| V3W3499-ICC3499 | 3W88662.D | 09/09/24 07:57 | n/a | Initial cal 10 |
| V3W3499-IC3499 | 3W88663.D | 09/09/24 08:38 | n/a | Initial cal 20 |
| V3W3499-IC3499 | 3W88664.D | 09/09/24 09:22 | n/a | Initial cal 40 |
| V3W3499-ICV3499 | 3W88669.D | 09/09/24 13:02 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V3W3503 **Method:** TO-15 **Instrument ID:** GCMS3W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V3W3503-BFB | 3W88778.D | 09/19/24 12:37 | n/a | BFB Tune |
| V3W3503-CC3499 | 3W88779.D | 09/19/24 13:17 | n/a | Continuing cal 10 |
| V3W3503-BS | 3W88780.D | 09/19/24 14:24 | n/a | Blank Spike |
| V3W3503-BSD | 3W88781.D | 09/19/24 15:04 | n/a | Blank Spike Duplicate |
| V3W3503-MB | 3W88783.D | 09/19/24 16:37 | n/a | Method Blank |
| ZZZZZZ | 3W88784.D | 09/19/24 17:51 | n/a | (unrelated sample) |
| JD96175-2 | 3W88785.D | 09/19/24 18:39 | n/a | (used for QC only; not part of job JE2487) |
| JD96175-2DUP | 3W88786.D | 09/19/24 19:28 | n/a | Duplicate |
| ZZZZZZ | 3W88787.D | 09/19/24 20:18 | n/a | (unrelated sample) |
| ZZZZZZ | 3W88788.D | 09/19/24 21:08 | n/a | (unrelated sample) |
| ZZZZZZ | 3W88789.D | 09/19/24 21:54 | n/a | (unrelated sample) |
| ZZZZZZ | 3W88790.D | 09/19/24 22:40 | n/a | (unrelated sample) |
| ZZZZZZ | 3W88791.D | 09/19/24 23:26 | n/a | (unrelated sample) |
| ZZZZZZ | 3W88792.D | 09/20/24 00:12 | n/a | (unrelated sample) |
| V3W3503-SCC | 3W88797.D | 09/20/24 03:46 | n/a | Summa Cleaning Certification |
| V3W3503-SCC | 3W88798.D | 09/20/24 04:31 | n/a | Summa Cleaning Certification |
| V3W3503-SCC | 3W88801.D | 09/20/24 06:48 | n/a | Summa Cleaning Certification |
| V3W3503-SCC | 3W88802.D | 09/20/24 07:33 | n/a | Summa Cleaning Certification |
| V3W3503-SCC | 3W88804.D | 09/20/24 09:04 | n/a | Summa Cleaning Certification |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2125 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2125-BFB | 5W55458.D | 12/09/24 03:34 | n/a | BFB Tune |
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | n/a | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | n/a | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | n/a | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | n/a | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | n/a | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | n/a | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | n/a | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | n/a | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | n/a | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 13:55 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V5W2132 **Method:** TO-15 **Instrument ID:** GCMS5W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2132-BFB | 5W55663.D | 12/16/24 12:41 | n/a | BFB Tune |
| V5W2132-CC2125 | 5W55664.D | 12/16/24 13:21 | n/a | Continuing cal 10 |
| V5W2132-BS | 5W55665.D | 12/16/24 14:48 | n/a | Blank Spike |
| V5W2132-BSD | 5W55666.D | 12/16/24 15:29 | n/a | Blank Spike Duplicate |
| V5W2132-MB | 5W55670.D | 12/16/24 18:38 | n/a | Method Blank |
| V5W2132-SCC | 5W55670A.D | 12/16/24 18:38 | n/a | Summa Cleaning Certification |
| V5W2132-SCC | 5W55671.D | 12/16/24 19:23 | n/a | Summa Cleaning Certification |
| V5W2132-SCC | 5W55672.D | 12/16/24 20:09 | n/a | Summa Cleaning Certification |
| JE2487-2 | 5W55673.D | 12/16/24 20:57 | n/a | IA-5 |
| JE2487-4 | 5W55674.D | 12/16/24 21:45 | n/a | IA-6 |
| JE2487-4DUP | 5W55675.D | 12/16/24 22:33 | n/a | Duplicate |
| JE2487-6 | 5W55676.D | 12/16/24 23:21 | n/a | DUP IA |
| ZZZZZZ | 5W55677.D | 12/17/24 00:02 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55678.D | 12/17/24 00:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55679.D | 12/17/24 01:22 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55680.D | 12/17/24 02:03 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55681.D | 12/17/24 02:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55682.D | 12/17/24 03:24 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55683.D | 12/17/24 04:05 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55684.D | 12/17/24 04:46 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55685.D | 12/17/24 05:27 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55686.D | 12/17/24 06:08 | n/a | (unrelated sample) |
| V5W2132-SCC | 5W55688.D | 12/17/24 07:34 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 5W55689.D | 12/17/24 08:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55690.D | 12/17/24 09:07 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55691.D | 12/17/24 09:53 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55692.D | 12/17/24 10:53 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55693.D | 12/17/24 11:40 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2133 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2133-BFB | 5W55699.D | 12/17/24 19:52 | n/a | BFB Tune |
| V5W2133-CC2125 | 5W55700.D | 12/17/24 20:32 | n/a | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 21:13 | n/a | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 22:35 | n/a | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 00:51 | n/a | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 01:36 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55708.D | 12/18/24 02:22 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 03:08 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55710.D | 12/18/24 03:55 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55711.D | 12/18/24 04:42 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 05:29 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 06:16 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 07:02 | n/a | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 08:40 | n/a | (used for QC only; not part of job JE2487) |
| JE2488-2DUP | 5W55717.D | 12/18/24 09:29 | n/a | Duplicate |
| ZZZZZZ | 5W55721.D | 12/18/24 12:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55722.D | 12/18/24 13:30 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55723.D | 12/18/24 14:18 | n/a | (unrelated sample) |
| JE2487-2 | 5W55724.D | 12/18/24 14:59 | n/a | IA-5 |
| JE2487-4 | 5W55725.D | 12/18/24 15:40 | n/a | IA-6 |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2135 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2135-BFB | 5W55751.D | 12/19/24 15:40 | n/a | BFB Tune |
| V5W2135-CC2125 | 5W55752.D | 12/19/24 16:21 | n/a | Continuing cal 10 |
| V5W2135-BS | 5W55753.D | 12/19/24 17:20 | n/a | Blank Spike |
| V5W2135-BSD | 5W55754.D | 12/19/24 18:00 | n/a | Blank Spike Duplicate |
| V5W2135-MB | 5W55756.D | 12/19/24 19:38 | n/a | Method Blank |
| V5W2135-SCC | 5W55757.D | 12/19/24 20:18 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55758.D | 12/19/24 20:59 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55759.D | 12/19/24 21:40 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55760.D | 12/19/24 22:21 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55761.D | 12/19/24 23:01 | n/a | Summa Cleaning Certification |
| V5W2135-SCC | 5W55762.D | 12/19/24 23:42 | n/a | Summa Cleaning Certification |
| JE2666-1 | 5W55763.D | 12/20/24 00:24 | n/a | (used for QC only; not part of job JE2487) |
| JE2666-1DUP | 5W55764.D | 12/20/24 01:06 | n/a | Duplicate |
| ZZZZZZ | 5W55765.D | 12/20/24 01:51 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55766.D | 12/20/24 02:38 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55767.D | 12/20/24 03:26 | n/a | (unrelated sample) |
| JE2487-1 | 5W55768.D | 12/20/24 04:13 | n/a | SS-5 |
| JE2487-3 | 5W55769.D | 12/20/24 04:55 | n/a | SS-6 |
| JE2487-5 | 5W55770.D | 12/20/24 05:43 | n/a | DUP SS |
| JE2487-6 | 5W55771.D | 12/20/24 06:26 | n/a | DUP IA |
| ZZZZZZ | 5W55772.D | 12/20/24 07:15 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55773.D | 12/20/24 08:03 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2138 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2138-BFB | 5W55818.D | 12/23/24 08:13 | n/a | BFB Tune |
| V5W2138-CC2125 | 5W55819.D | 12/23/24 09:11 | n/a | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 10:07 | n/a | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 11:17 | n/a | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 12:54 | n/a | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 14:29 | n/a | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 15:24 | n/a | (used for QC only; not part of job JE2487) |
| JE2315-1DUP | 5W55826.D | 12/23/24 16:11 | n/a | Duplicate |
| JE2487-1 | 5W55827.D | 12/23/24 16:52 | n/a | SS-5 |
| JE2487-5 | 5W55828.D | 12/23/24 17:34 | n/a | DUP SS |
| ZZZZZZ | 5W55829.D | 12/23/24 18:20 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55830.D | 12/23/24 19:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55831.D | 12/23/24 19:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 20:23 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 21:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 21:56 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 22:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 23:28 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 00:14 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 01:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 01:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 02:41 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W305 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W305-BFB | 7W07974.D | 08/18/24 21:06 | n/a | BFB Tune |
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | n/a | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | n/a | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | n/a | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | n/a | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | n/a | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | n/a | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | n/a | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | n/a | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | n/a | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 06:28 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W379 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W379-BFB | 7W10298.D | 11/06/24 08:30 | n/a | BFB Tune |
| V7W379-CC305 | 7W10299.D | 11/06/24 09:06 | n/a | Continuing cal 10 |
| V7W379-BS | 7W10300.D | 11/06/24 09:45 | n/a | Blank Spike |
| V7W379-BSD | 7W10301.D | 11/06/24 10:21 | n/a | Blank Spike Duplicate |
| V7W379-MB | 7W10303.D | 11/06/24 11:42 | n/a | Method Blank |
| JD98975-1 | 7W10304.D | 11/06/24 12:44 | n/a | (used for QC only; not part of job JE2487) |
| JD98975-1DUP | 7W10305.D | 11/06/24 13:27 | n/a | Duplicate |
| ZZZZZZ | 7W10306.D | 11/06/24 14:10 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10307.D | 11/06/24 14:56 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10308.D | 11/06/24 15:39 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10309.D | 11/06/24 16:22 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10310.D | 11/06/24 16:58 | n/a | (unrelated sample) |
| V7W379-SCC | 7W10311.D | 11/06/24 17:39 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10312.D | 11/06/24 18:20 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10313.D | 11/06/24 19:01 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10314.D | 11/06/24 19:42 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10315.D | 11/06/24 20:23 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10316.D | 11/06/24 21:04 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10317.D | 11/06/24 21:45 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10318.D | 11/06/24 22:26 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10319.D | 11/06/24 23:07 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10321.D | 11/07/24 00:24 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10322.D | 11/07/24 01:00 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10323.D | 11/07/24 01:35 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10324.D | 11/07/24 02:11 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10325.D | 11/07/24 02:47 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10326.D | 11/07/24 03:28 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10327.D | 11/07/24 04:10 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10328.D | 11/07/24 04:51 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10329.D | 11/07/24 05:32 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10330.D | 11/07/24 06:14 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10331.D | 11/07/24 06:55 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10332.D | 11/07/24 07:37 | n/a | Summa Cleaning Certification |
| V7W379-SCC | 7W10333.D | 11/07/24 08:18 | n/a | Summa Cleaning Certification |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W387 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W387-BFB | 7W10575.D | 11/18/24 08:59 | n/a | BFB Tune |
| V7W387-CC305 | 7W10576.D | 11/18/24 09:35 | n/a | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 10:11 | n/a | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 10:46 | n/a | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 12:04 | n/a | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 13:59 | n/a | (used for QC only; not part of job JE2487) |
| JD99820-1DUP | 7W10583.D | 11/18/24 14:40 | n/a | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 15:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 16:44 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 17:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 18:07 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 19:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 20:11 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 20:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 21:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 22:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 22:41 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 23:53 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 00:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 01:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 02:18 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 02:55 | n/a | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 03:31 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 04:07 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 04:48 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10606.D | 11/19/24 05:29 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 06:10 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 06:51 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2487
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W392 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W392-BFB | 7W10742.D | 11/25/24 08:36 | n/a | BFB Tune |
| V7W392-CC305 | 7W10743.D | 11/25/24 09:11 | n/a | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 09:50 | n/a | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 10:26 | n/a | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 11:46 | n/a | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 12:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 13:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 13:39 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 14:14 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 14:56 | n/a | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 16:07 | n/a | (used for QC only; not part of job JE2487) |
| ZZZZZZ | 7W10757.D | 11/25/24 17:55 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 18:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 19:05 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 19:40 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 20:16 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 21:26 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 22:01 | n/a | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 22:38 | n/a | (used for QC only; not part of job JE2487) |
| ZZZZZZ | 7W10766.D | 11/25/24 23:19 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 00:00 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 00:42 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 02:42 | n/a | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 03:23 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 04:04 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10774.D | 11/26/24 04:44 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 05:25 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 06:47 | n/a | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 08:24 | n/a | Duplicate |

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55768.D
Acq On : 20 Dec 2024 4:13 am
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 17:10:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

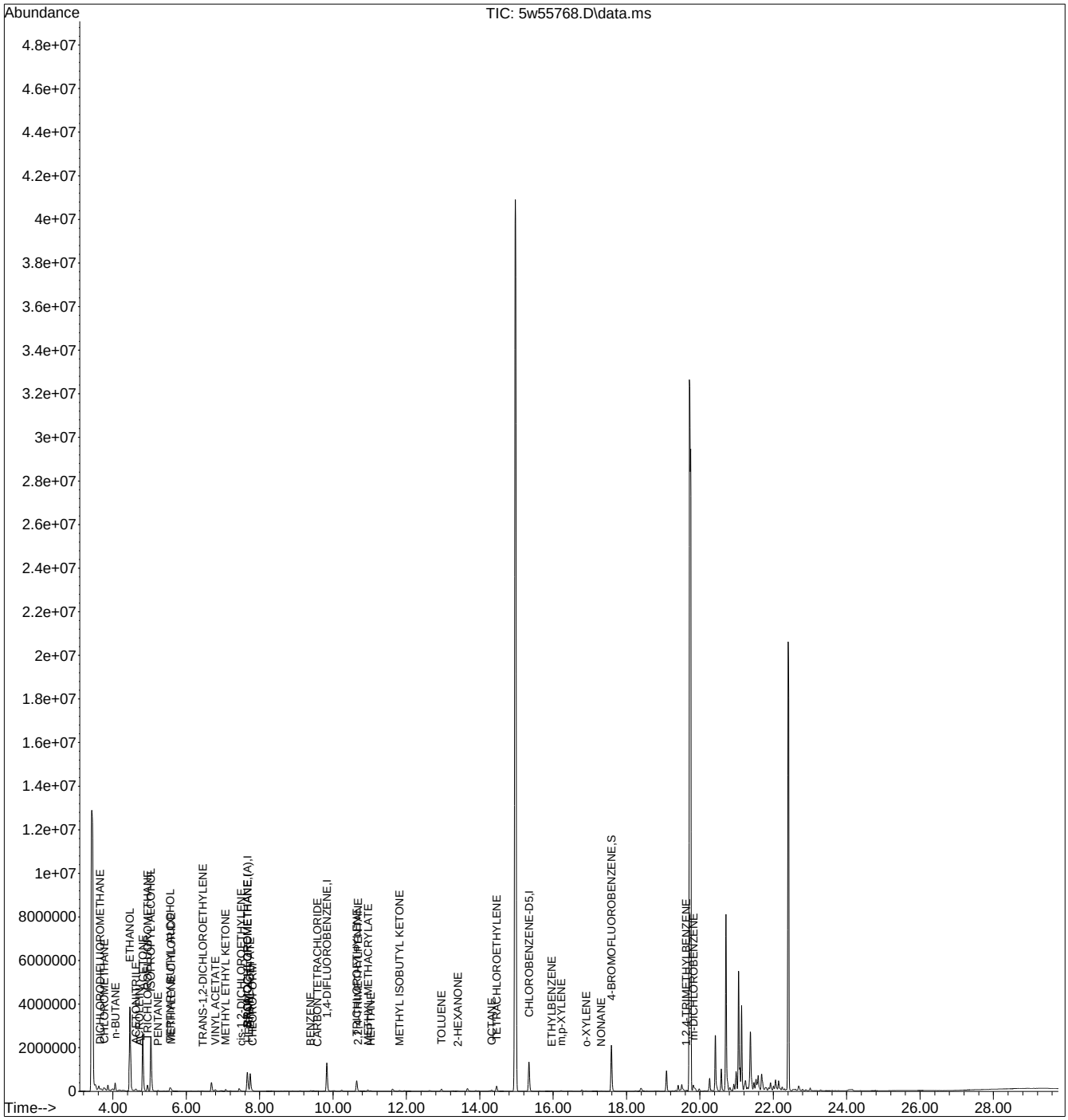
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 220726 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1092546 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 537900 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 220726 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 744256 | 12.36 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 123.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.649 | 85 | 41791 | 0.5181 | PPBV | 90 |
| 10) CHLOROMETHANE | 3.766 | 52 | 4067 | 0.3910 | PPBV | 86 |
| 13) n-BUTANE | 4.065 | 43 | 266712 | 5.6561 | PPBV | 97 |
| 17) ACETONITRILE | 4.622 | 41 | 49044 | 1.8006 | PPBV | 92 |
| 18) ACROLEIN | 4.714 | 56 | 12382 | 1.0410 | PPBV | 87 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 220908 | 2.9635 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3480618 | 73.6954 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 896371 | 50.3511 | PPBV # | 82 |
| 24) PENTANE | 5.228 | 42 | 18505 | 0.7887 | PPBV | 98 |
| 28) ETHANOL | 4.463 | 45 | 5244783 | 302.9984 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 27723 | 1.1975 | PPBV | 88 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 4414 | 0.1808 | PPBV | 89 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 201108 | 4.5266 | PPBV | 86 |
| 38) HEXANE | 7.699 | 57 | 37574 | 1.0865 | PPBV | 86 |
| 39) VINYL ACETATE | 6.794 | 86 | 8712 | 2.2039 | PPBV # | 80 |
| 41) METHYL ETHYL KETONE | 7.069 | 72 | 26701 | 2.7888 | PPBV # | 55 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 3676 | 0.1451 | PPBV | 93 |
| 44) ETHYL ACETATE | 7.742 | 61 | 142439 | 20.1673 | PPBV # | 74 |
| 46) CHLOROFORM | 7.803 | 83 | 9529 | 0.1682 | PPBV | 93 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 5797 | 0.0953 | PPBV | 97 |
| 52) BENZENE | 9.388 | 78 | 39917 | 0.5041 | PPBV | 97 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 176677 | 4.2320 | PPBV | 91 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 23824 | 0.1981 | PPBV # | 65 |
| 62) HEPTANE | 11.027 | 43 | 14167 | 0.3373 | PPBV | 88 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 31894 | 1.2115 | PPBV | 90 |
| 64) METHYL ISOBUTYL KETONE | 11.810 | 58 | 5845 | 0.2612 | PPBV # | 47 |
| 66) TOLUENE | 12.954 | 92 | 48756 | 0.8802 | PPBV | 99 |
| 71) 2-HEXANONE | 13.395 | 58 | 6203 | 0.2445 | PPBV # | 59 |
| 73) TETRACHLOROETHYLENE | 14.459 | 164 | 62782 | 1.7869 | PPBV | 84 |
| 76) OCTANE | 14.325 | 43 | 34148 | 0.7228 | PPBV | 82 |
| 79) ETHYLBENZENE | 15.958 | 91 | 13231 | 0.1334 | PPBV | 92 |
| 80) m,p-XYLENE | 16.215 | 106 | 13491 | 0.3585 | PPBV | 94 |
| 81) o-XYLENE | 16.900 | 106 | 5381 | 0.1473 | PPBV | 98 |
| 83) NONANE | 17.304 | 43 | 9795 | 0.1987 | PPBV # | 87 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 11828 | 0.1265 | PPBV # | 35 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 30144 | 0.4093 | PPBV | 97 |

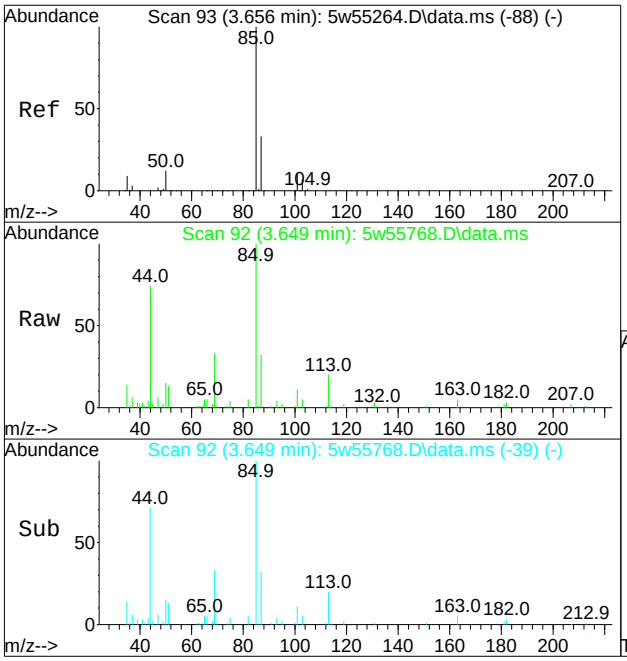
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55768.D
Acq On : 20 Dec 2024 4:13 am
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 20 17:10:34 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

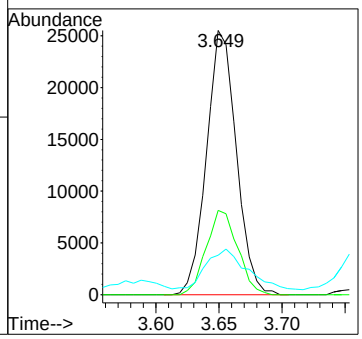


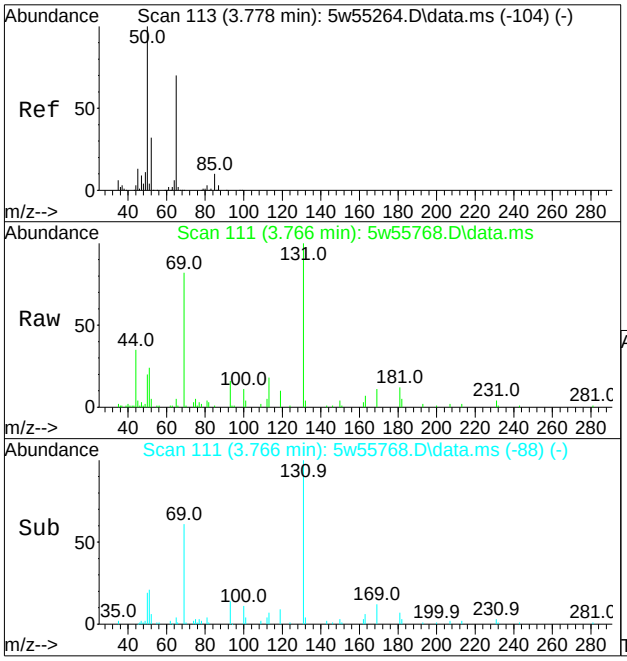



#6
DICHLORODIFLUOROMETHANE
Concen: 0.5181 PPBV
RT: 3.649 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 85 Resp: 41791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.6 | 2.6 | 62.6 |
| 50 | 25.9 | 0.0 | 43.0 |

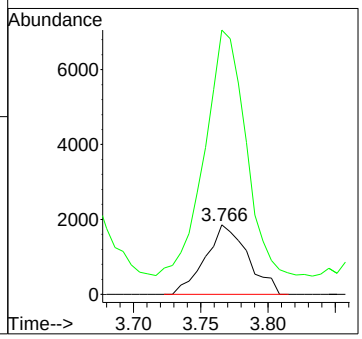


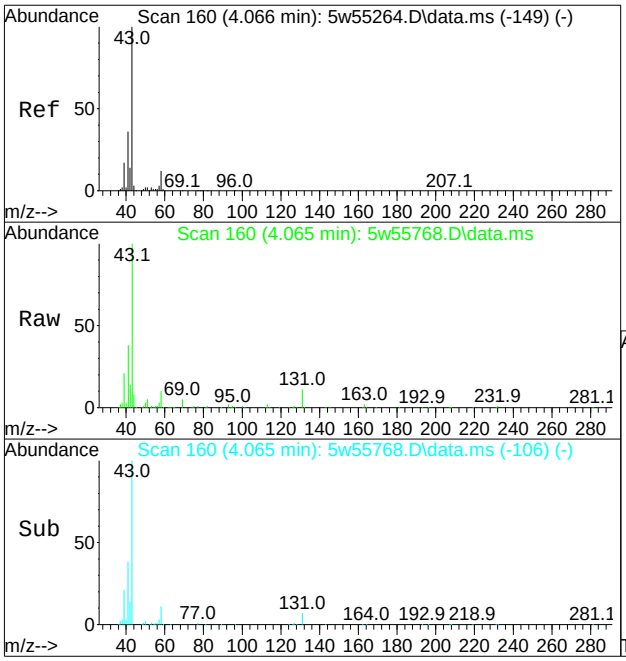




#10
CHLOROMETHANE
Concen: 0.3910 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 52 Resp: 4067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 346.2 | 287.9 | 347.9 |

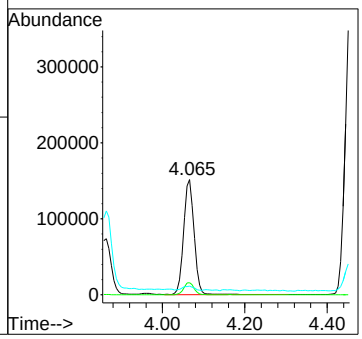


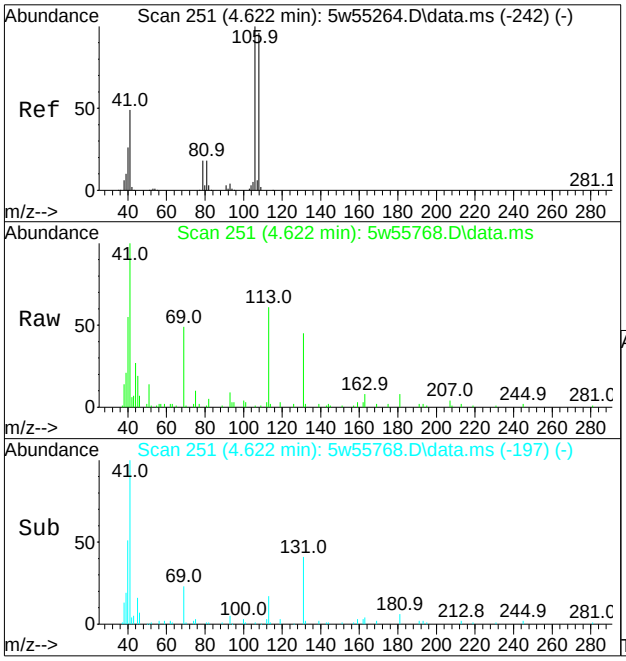



#13
n-BUTANE
Concen: 5.6561 PPBV
RT: 4.065 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 266712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.5 | 0.0 | 41.6 |
| 44 | 3.7 | 0.0 | 34.7 |

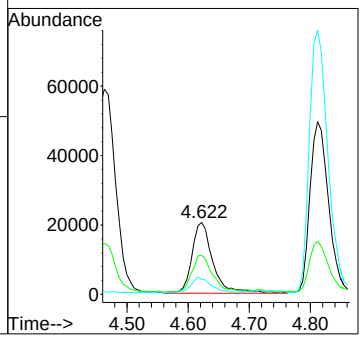


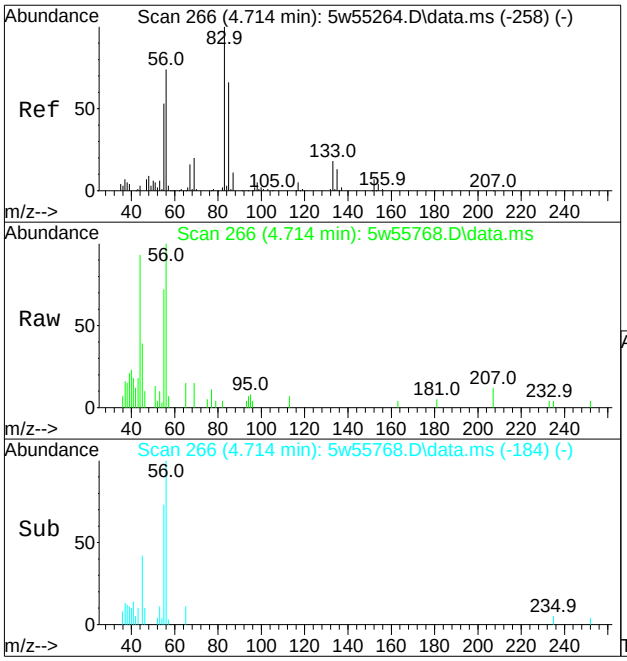




#17
ACETONITRILE
Concen: 1.8006 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 41 Resp: 49044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 49.1 | 38.4 | 71.4 |
| 39 | 23.0 | 13.7 | 25.5 |

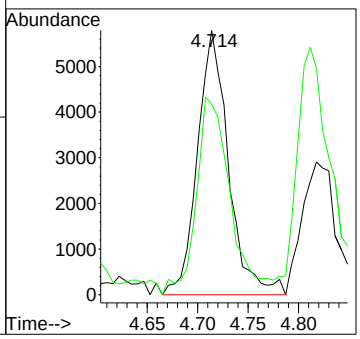


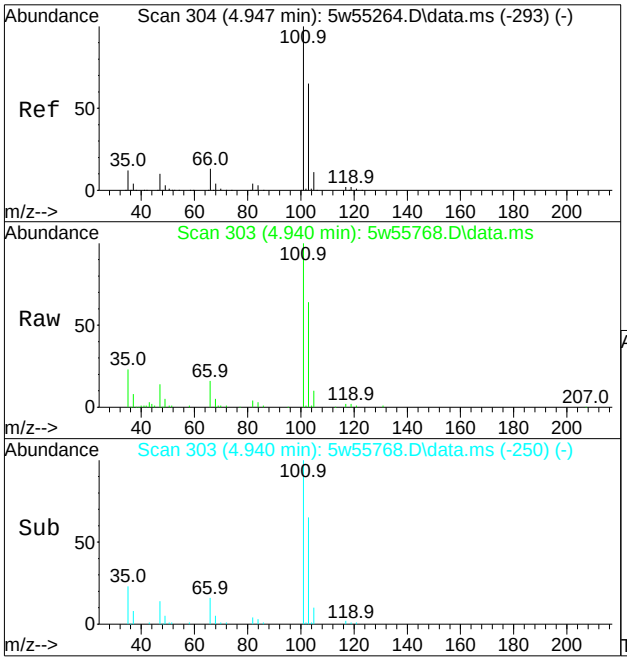



#18
ACROLEIN
Concen: 1.0410 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 56 Resp: 12382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 81.6 | 49.8 | 92.6 |

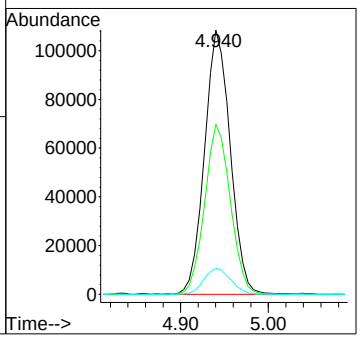


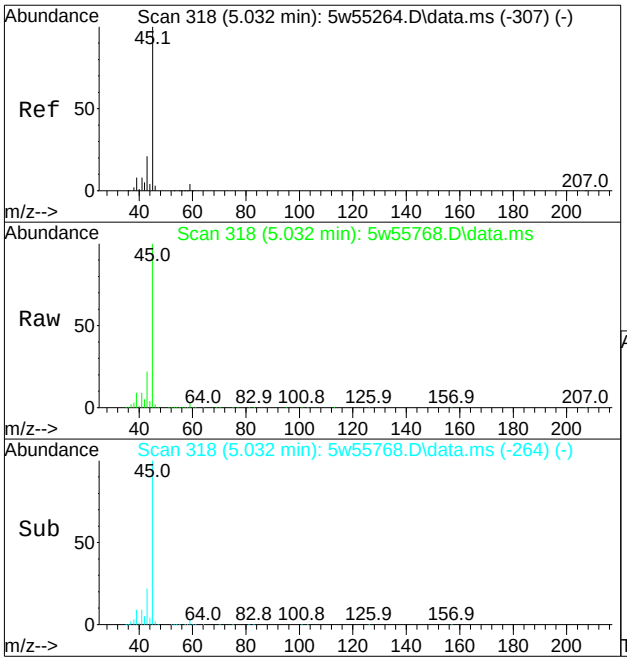




#21
TRICHLOROFLUOROMETHANE
Concen: 2.9635 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:101 Resp: 220908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 34.7 | 94.7 |
| 105 | 10.3 | 0.0 | 40.5 |

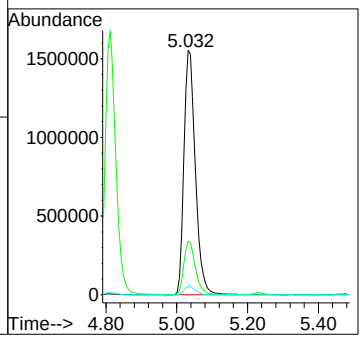


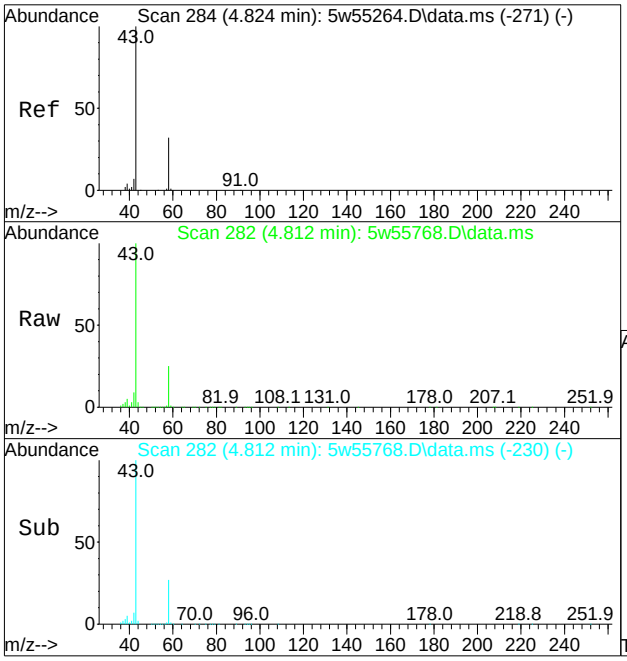



#22
ISOPROPYL ALCOHOL
Concen: 73.6954 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 45 Resp: 3480618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.9 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

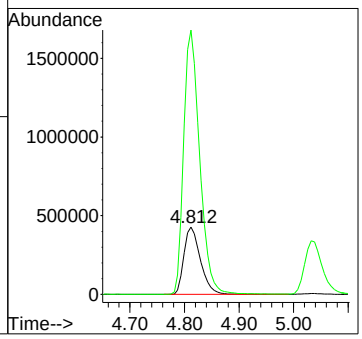


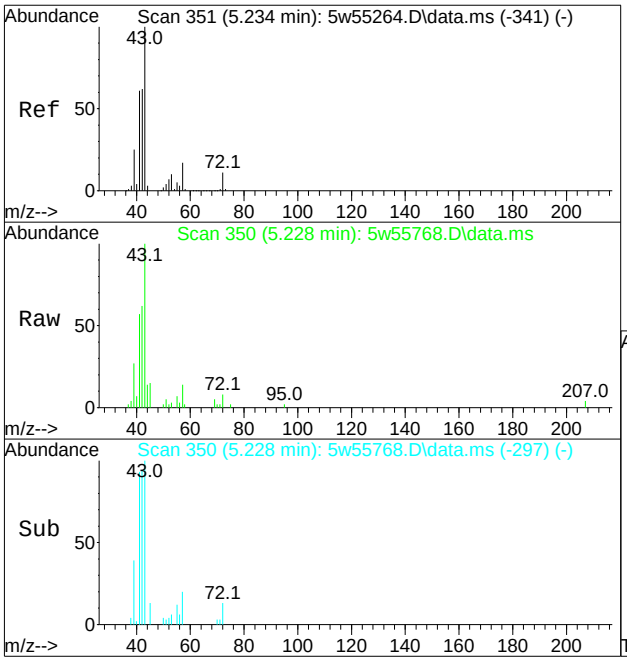




#23
ACETONE
Concen: 50.3511 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 896371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 379.9 | 312.3 | 372.3# |

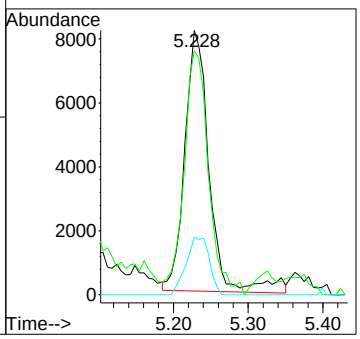


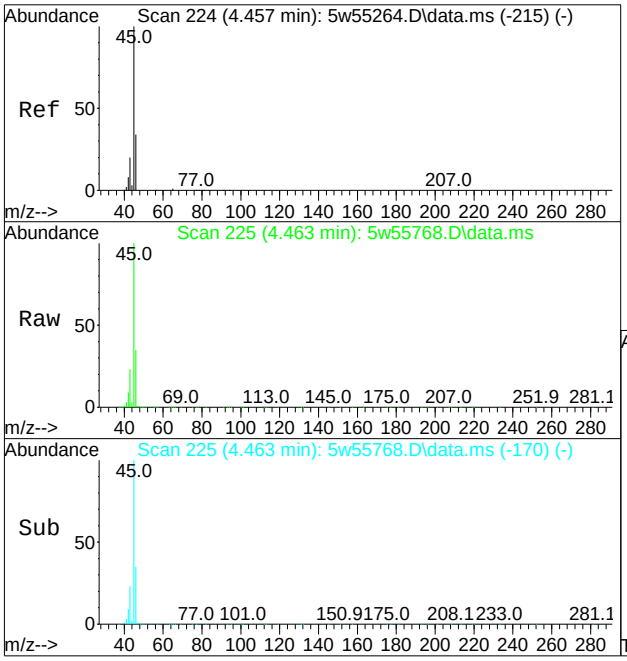



#24
PENTANE
Concen: 0.7887 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 42 Resp: 18505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 93.6 | 64.4 | 124.4 |
| 57 | 20.8 | 0.0 | 55.0 |

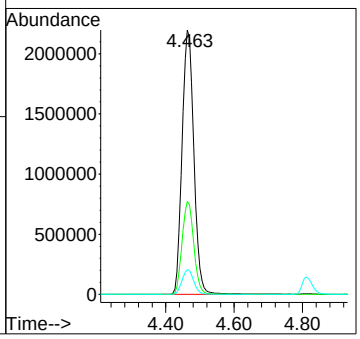


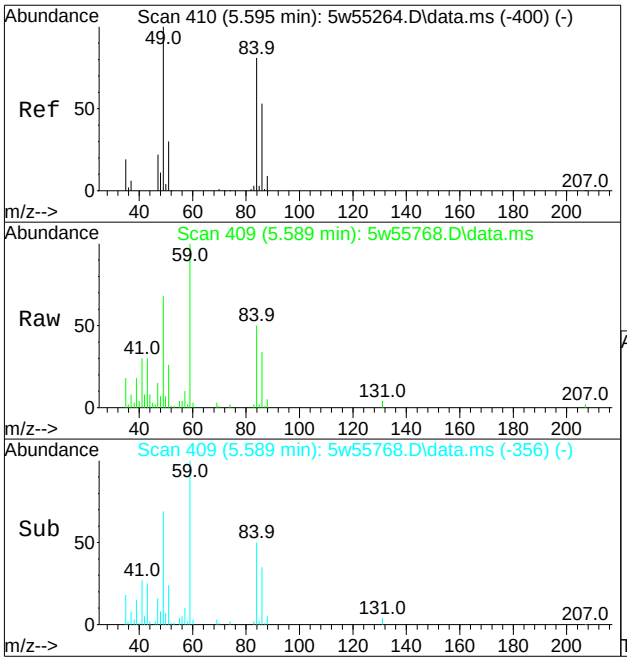




#28
ETHANOL
Concen: 302.9984 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 45 Resp: 5244783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.1 | 4.5 | 64.5 |
| 42 | 9.3 | 0.0 | 38.6 |

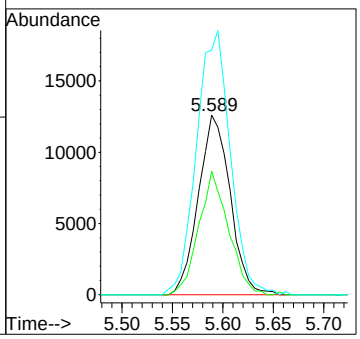


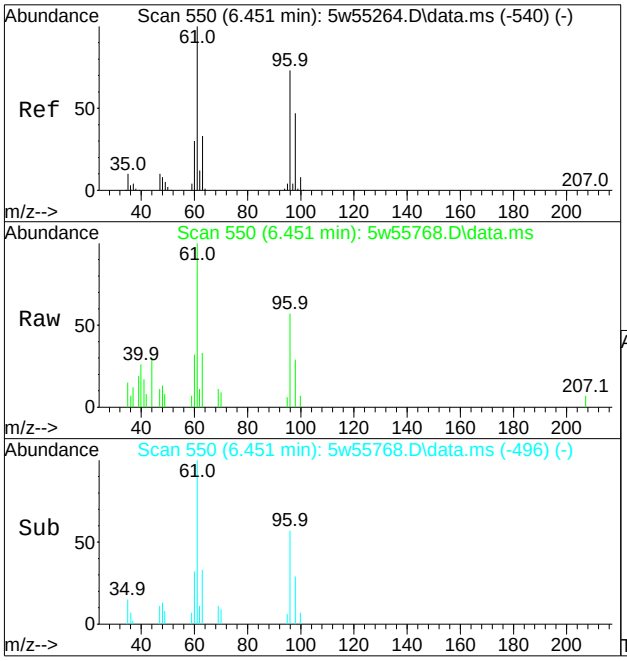



#31
METHYLENE CHLORIDE
Concen: 1.1975 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 84 Resp: 27723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.4 | 34.0 | 94.0 |
| 49 | 156.3 | 105.8 | 165.8 |

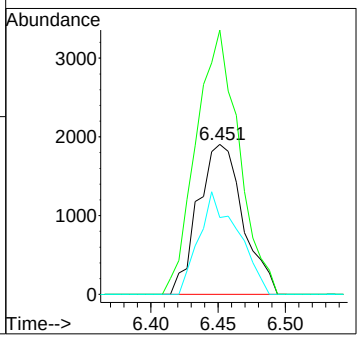


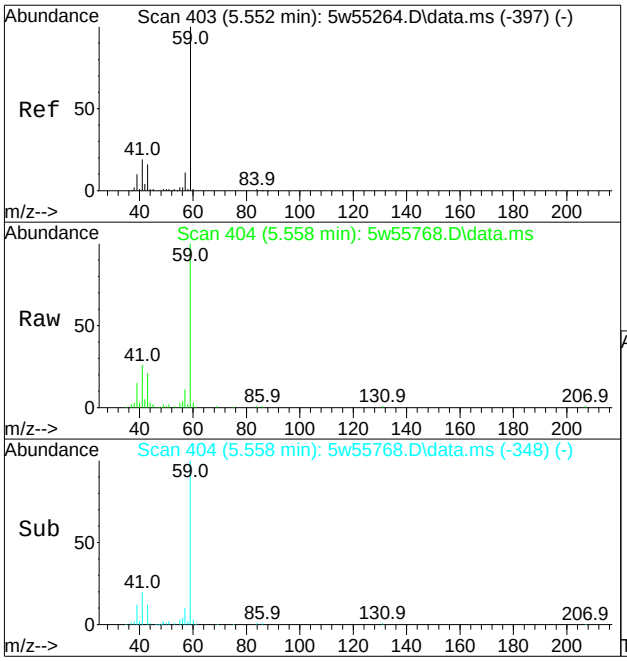




#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.1808 PPBV
RT: 6.451 min Scan# 550
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 96 Resp: 4414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.1 | 121.7 | 181.7 |
| 98 | 59.4 | 32.8 | 92.8 |

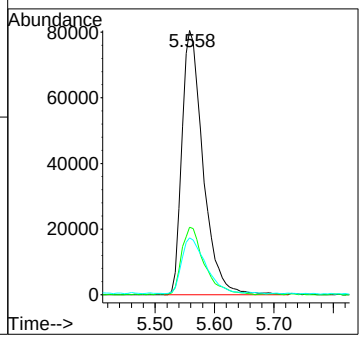


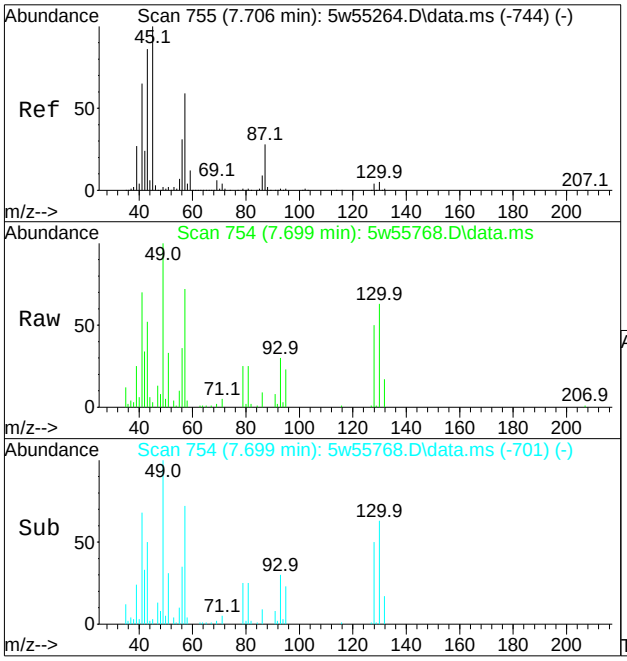



#35
TERTIARY BUTYL ALCOHOL
Concen: 4.5266 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 59 Resp: 201108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 27.6 | 0.0 | 53.1 |
| 43 | 25.5 | 0.0 | 47.1 |

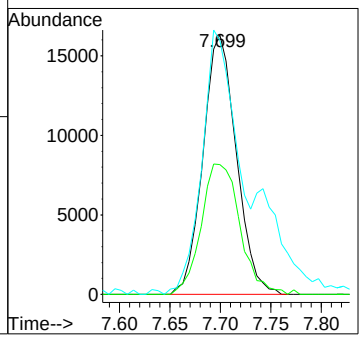


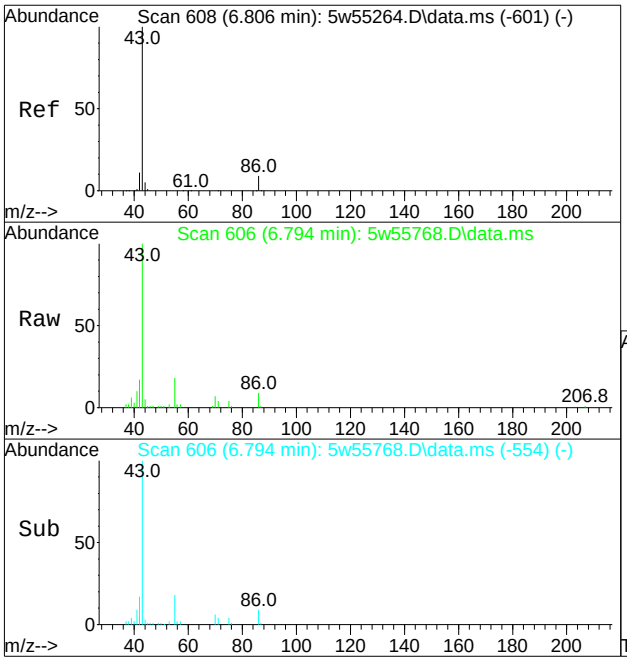




#38
HEXANE
Concen: 1.0865 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 57 Resp: 37574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.5 | 24.2 | 84.2 |
| 41 | 142.3 | 92.1 | 152.1 |

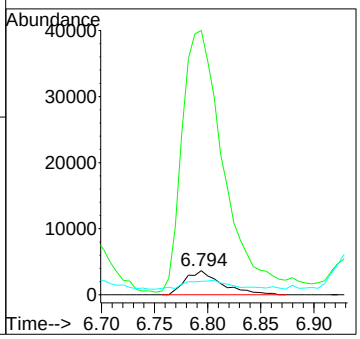


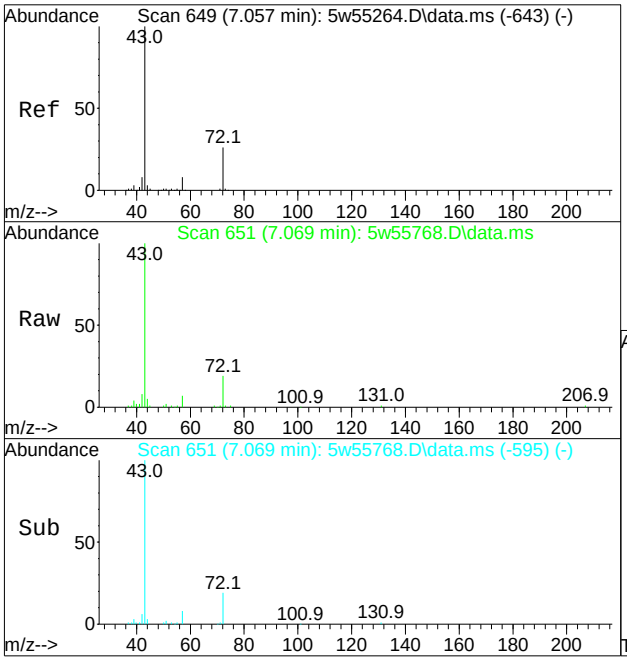



#39
VINYL ACETATE
Concen: 2.2039 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.013 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 86 Resp: 8712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1258.0 | 1335.5 | 1395.5# |
| 44 | 48.9 | 40.9 | 100.9 |

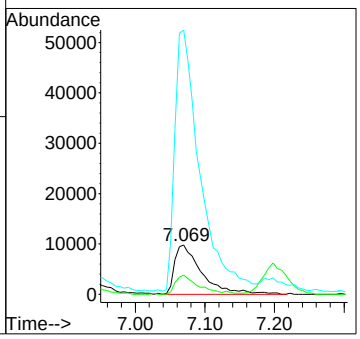


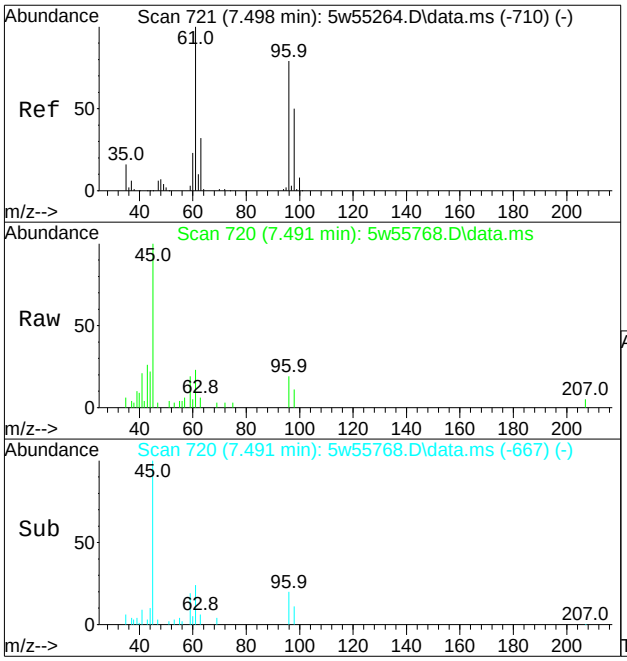




#41
METHYL ETHYL KETONE
Concen: 2.7888 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 72 Resp: 26701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 39.1 | 1.1 | 61.1 |
| 43 | 535.9 | 390.6 | 450.6# |

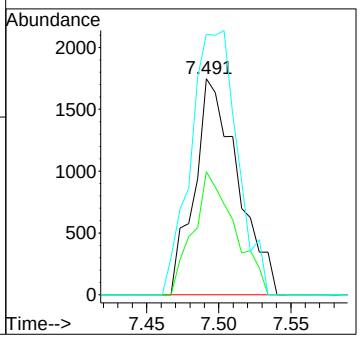


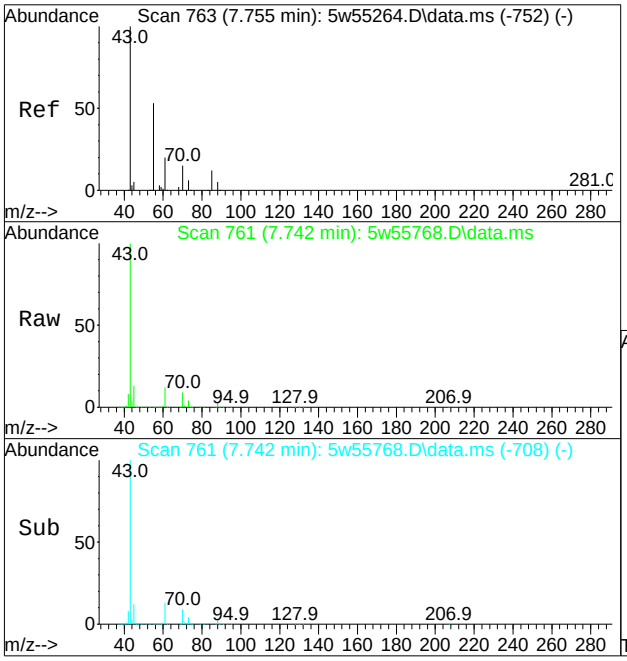



#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.1451 PPBV
RT: 7.491 min Scan# 720
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 96 Resp: 3676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 98 | 54.1 | 33.2 | 93.2 |
| 61 | 131.2 | 107.9 | 167.9 |

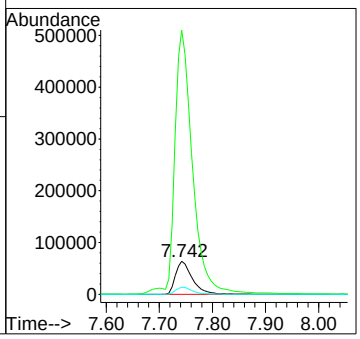


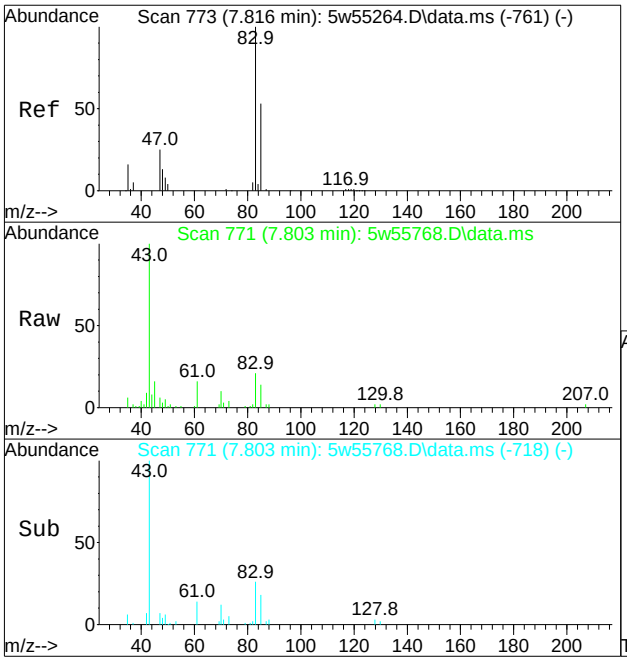




#44
ETHYL ACETATE
Concen: 20.1673 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 61 Resp: 142439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 839.7 | 0.0 | 30.0# |
| 88 | 21.8 | 7.3 | 67.3 |

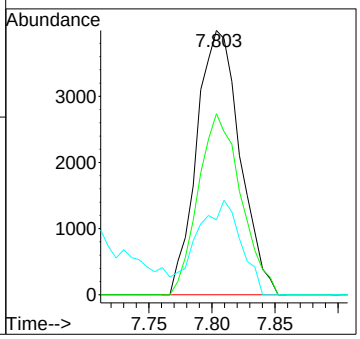


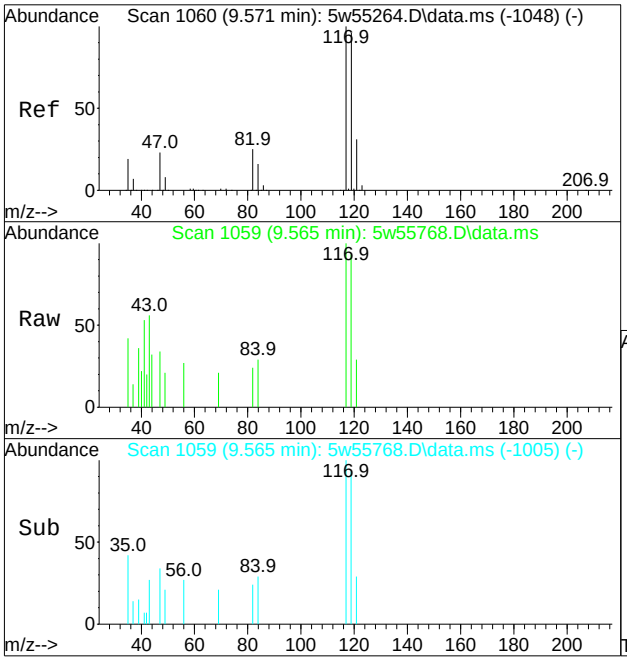



#46
CHLOROFORM
Concen: 0.1682 PPBV
RT: 7.803 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 83 Resp: 9529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.7 | 35.5 | 95.5 |
| 47 | 36.3 | 0.0 | 56.8 |

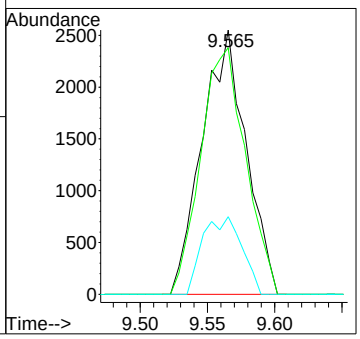


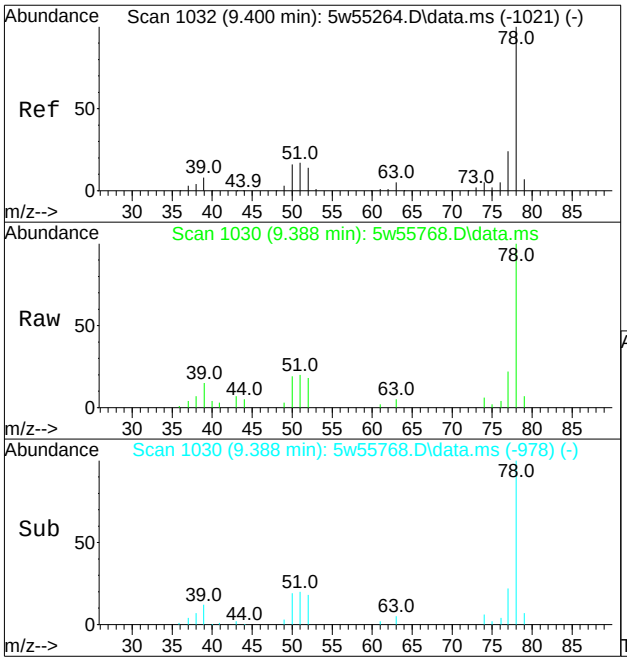




#49
CARBON TETRACHLORIDE
Concen: 0.0953 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:117 Resp: 5797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 65.9 | 125.9 |
| 121 | 26.3 | 0.7 | 60.7 |

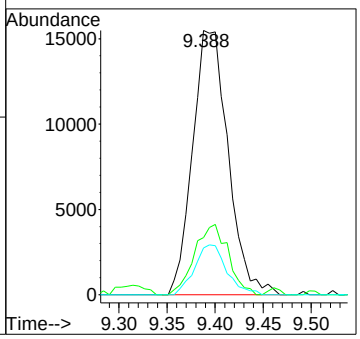


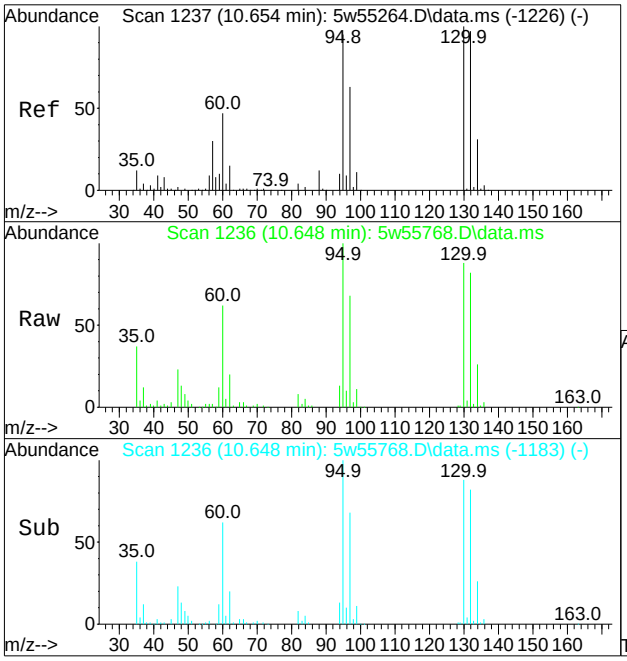



#52
BENZENE
Concen: 0.5041 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. -0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 78 Resp: 39917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.3 | 0.0 | 54.0 |
| 52 | 17.0 | 0.0 | 45.6 |

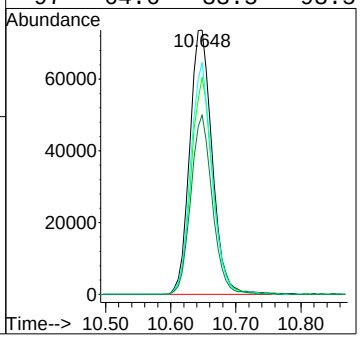


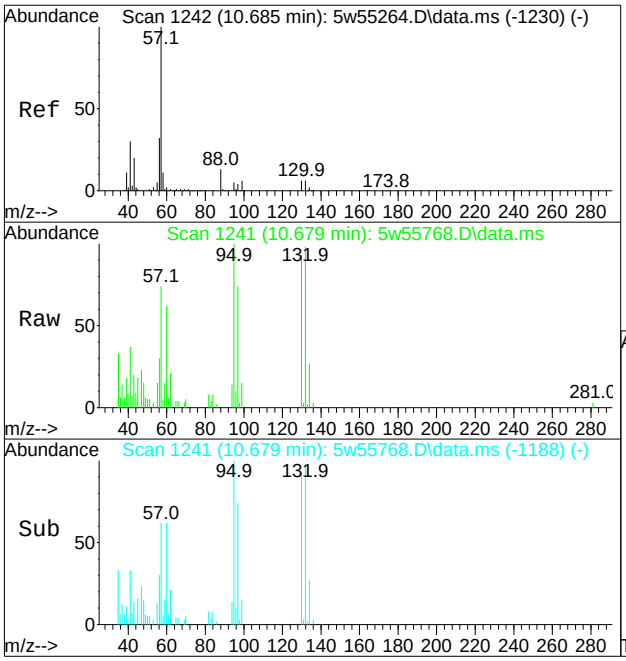




#55
TRICHLOROETHYLENE
Concen: 4.2320 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 95 Resp: 176677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 79.6 | 60.0 | 120.0 |
| 130 | 83.5 | 64.1 | 124.1 |
| 97 | 64.6 | 33.5 | 93.5 |

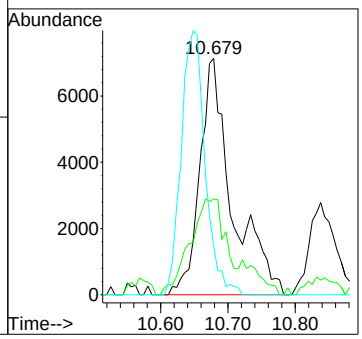


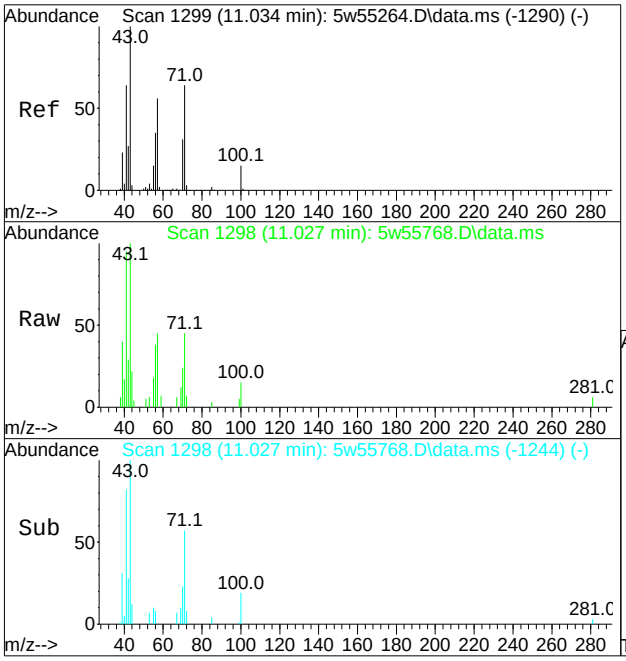



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1981 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 57 Resp: 23824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.5 | 2.2 | 62.2 |
| 99 | 0.0 | 0.0 | 37.6 |

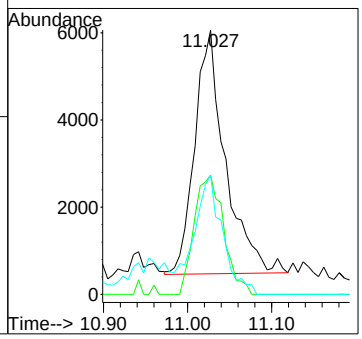


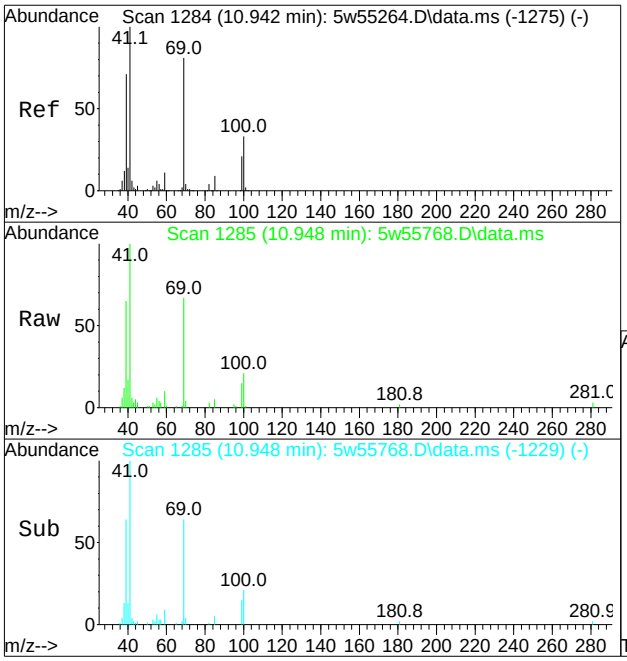




#62
HEPTANE
Concen: 0.3373 PPBV
RT: 11.027 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 14167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 47.0 | 27.2 | 87.2 |
| 57 | 45.2 | 22.5 | 82.5 |

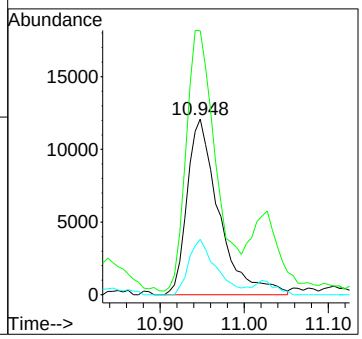


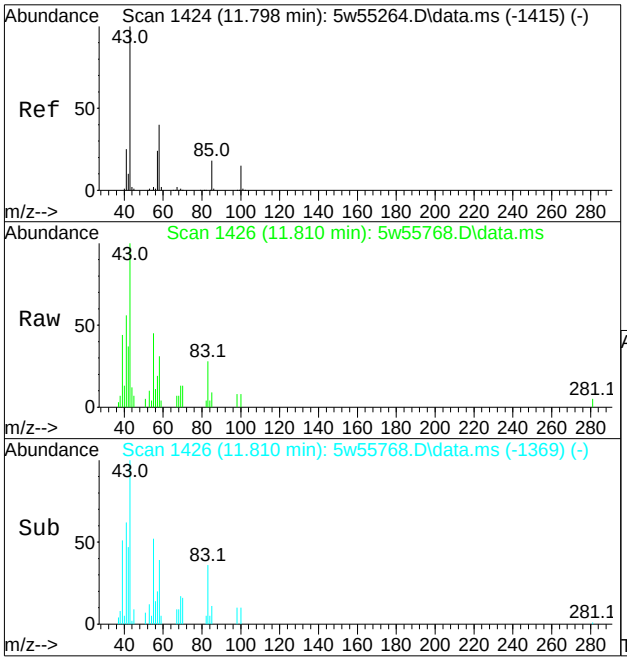



#63
METHYL METHACRYLATE
Concen: 1.2115 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 69 Resp: 31894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 139.1 | 97.3 | 157.3 |
| 100 | 28.1 | 3.0 | 63.0 |

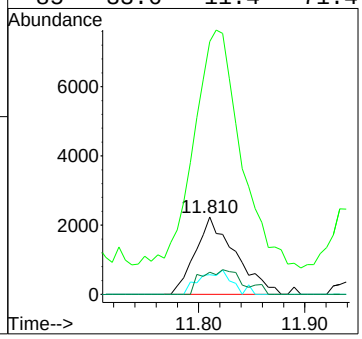


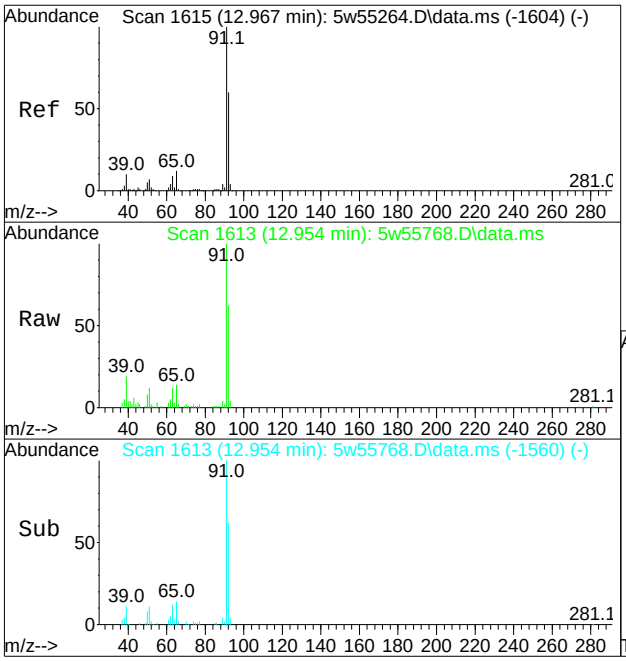




#64
METHYL ISOBUTYL KETONE
Concen: 0.2612 PPBV
RT: 11.810 min Scan# 1426
Delta R.T. 0.018 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 5845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 382.9 | 236.1 | 296.1# |
| 100 | 25.4 | 0.7 | 60.7 |
| 85 | 33.6 | 11.4 | 71.4 |

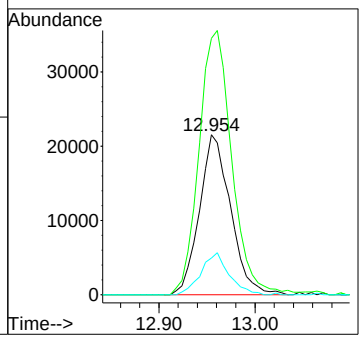


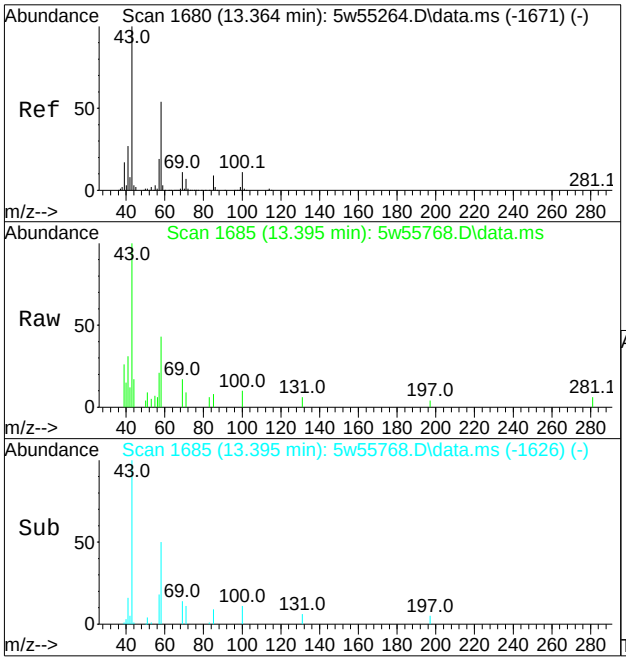



#66
TOLUENE
Concen: 0.8802 PPBV
RT: 12.954 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 92 Resp: 48756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 143.4 | 203.4 |
| 65 | 23.7 | 0.0 | 53.8 |

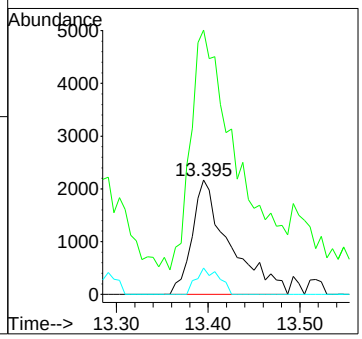


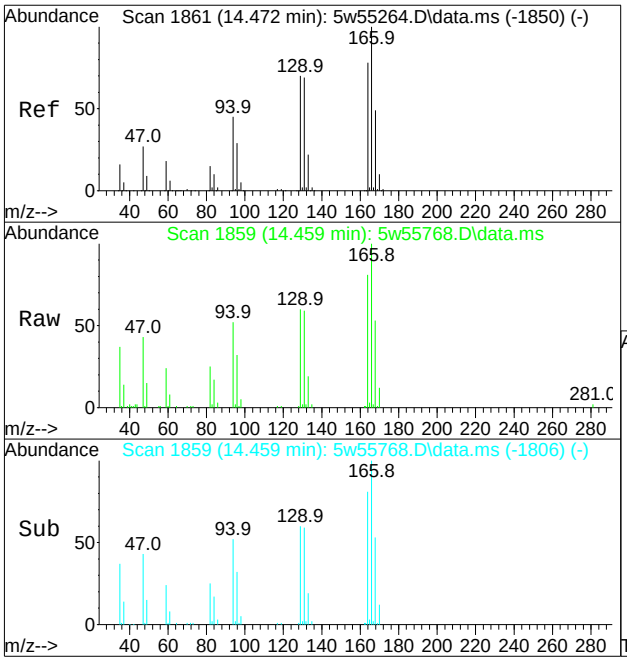




#71
2-HEXANONE
Concen: 0.2445 PPBV
RT: 13.395 min Scan# 1685
Delta R.T. 0.030 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 58 Resp: 6203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 253.4 | 159.0 | 219.0# |
| 100 | 14.0 | 0.0 | 47.8 |

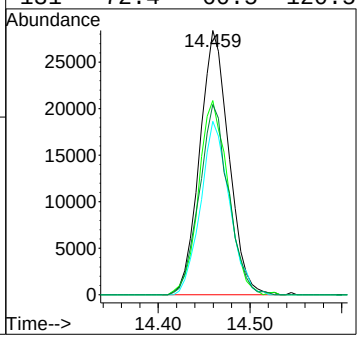


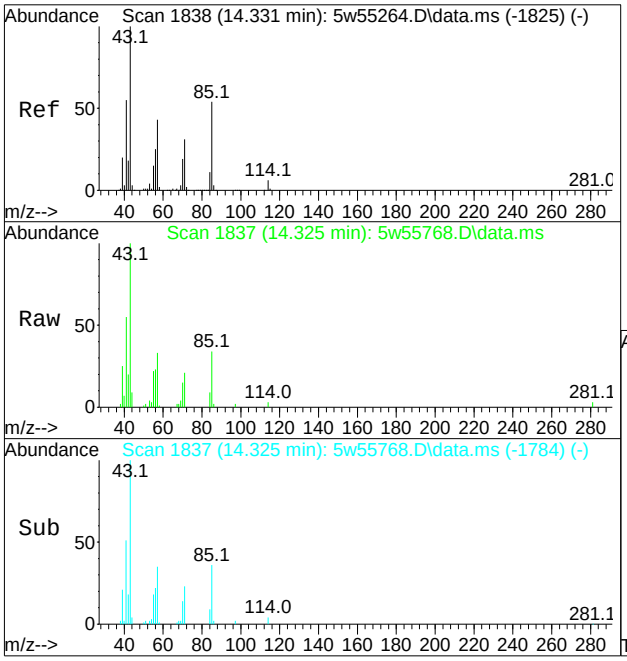



#73
TETRACHLOROETHYLENE
Concen: 1.7869 PPBV
RT: 14.459 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:164 Resp: 62782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 74.3 | 64.4 | 124.4 |
| 168 | 64.7 | 31.2 | 91.2 |
| 131 | 72.4 | 60.5 | 120.5 |

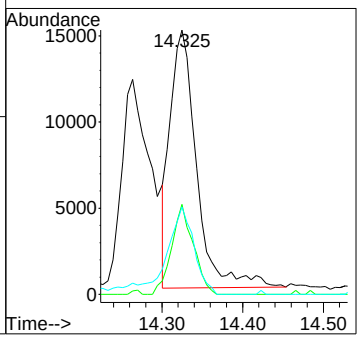


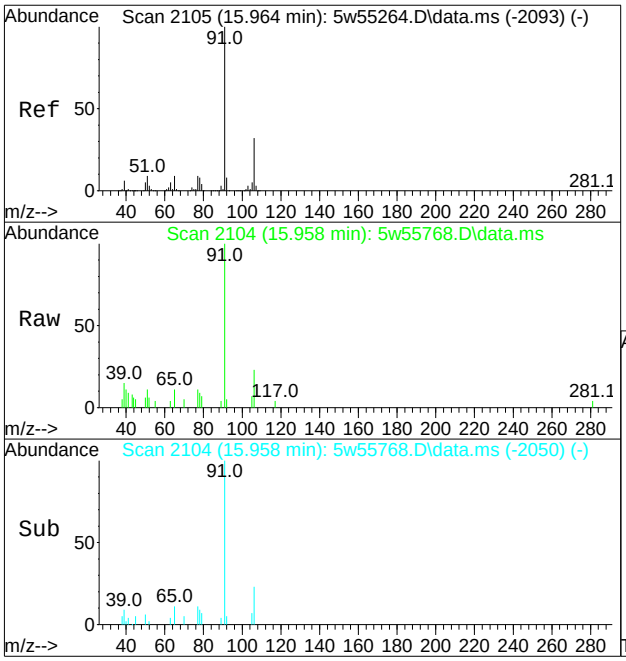




#76
OCTANE
Concen: 0.7228 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 34148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 28.6 | 13.7 | 73.7 |
| 57 | 32.4 | 9.9 | 69.9 |

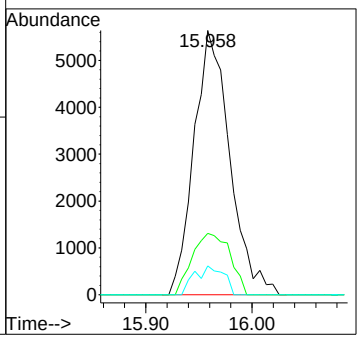


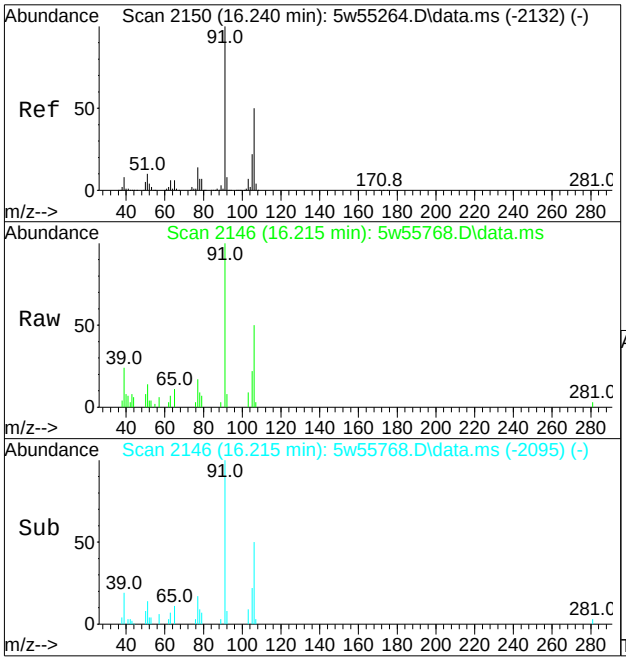



#79
ETHYLBENZENE
Concen: 0.1334 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 91 Resp: 13231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.6 | 0.0 | 59.9 |
| 77 | 8.9 | 0.0 | 39.1 |

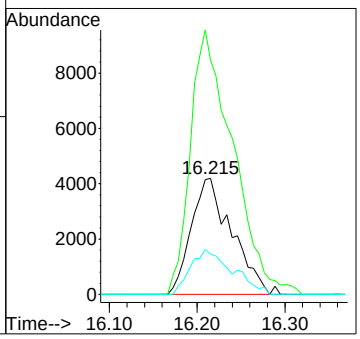


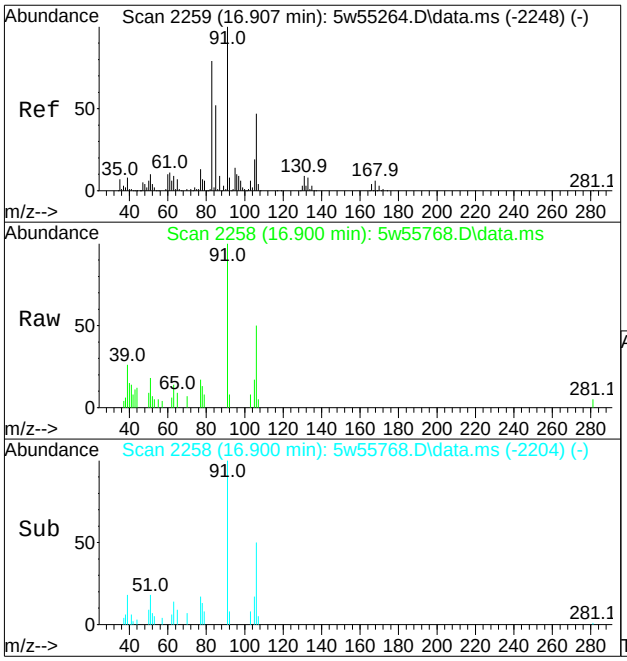




#80
m,p-XYLENE
Concen: 0.3585 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.019 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:106 Resp: 13491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.0 | 181.2 | 241.2 |
| 77 | 34.7 | 0.1 | 60.1 |

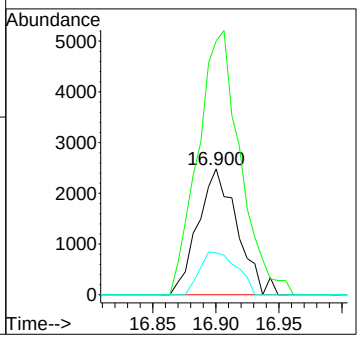


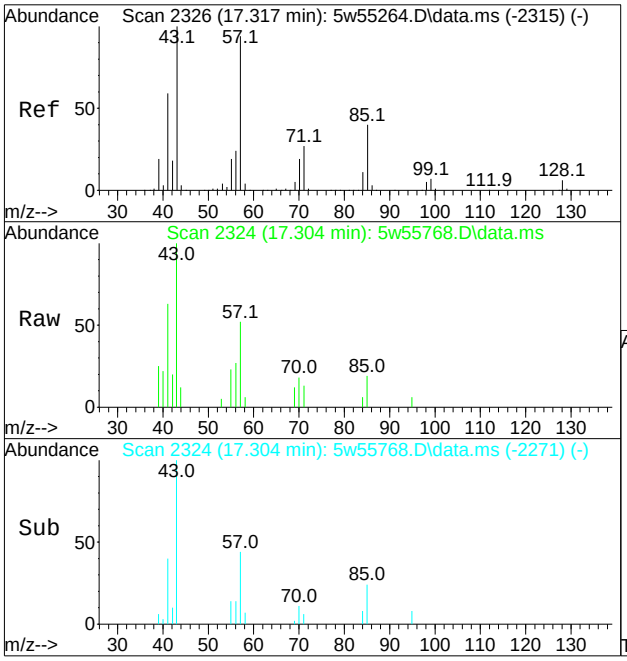



#81
o-XYLENE
Concen: 0.1473 PPBV
RT: 16.900 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:106 Resp: 5381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.7 | 193.4 | 253.4 |
| 77 | 32.2 | 0.0 | 59.8 |

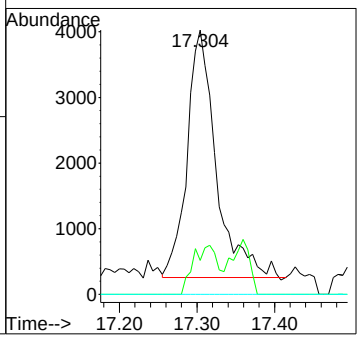


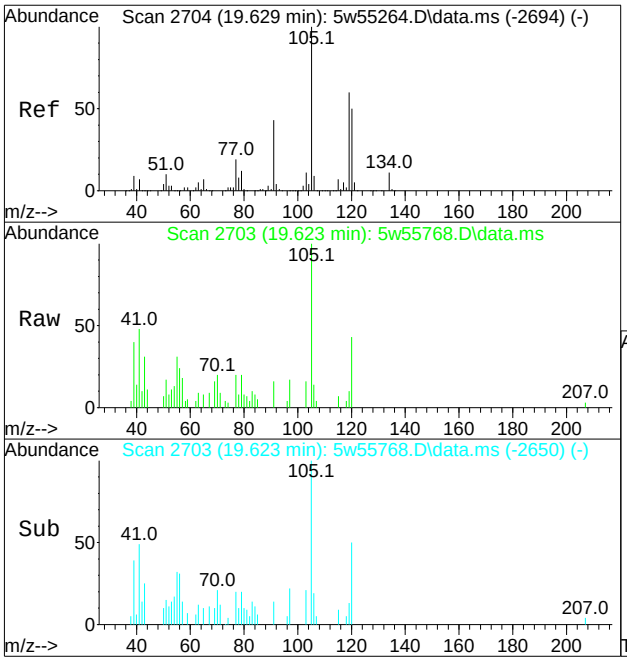




#83
NONANE
Concen: 0.1987 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion: 43 Resp: 9795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 17.4 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

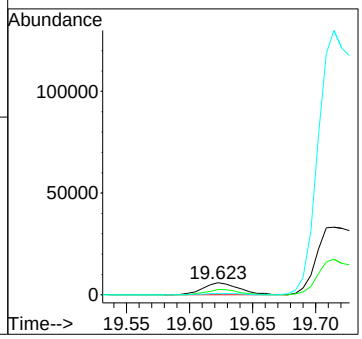


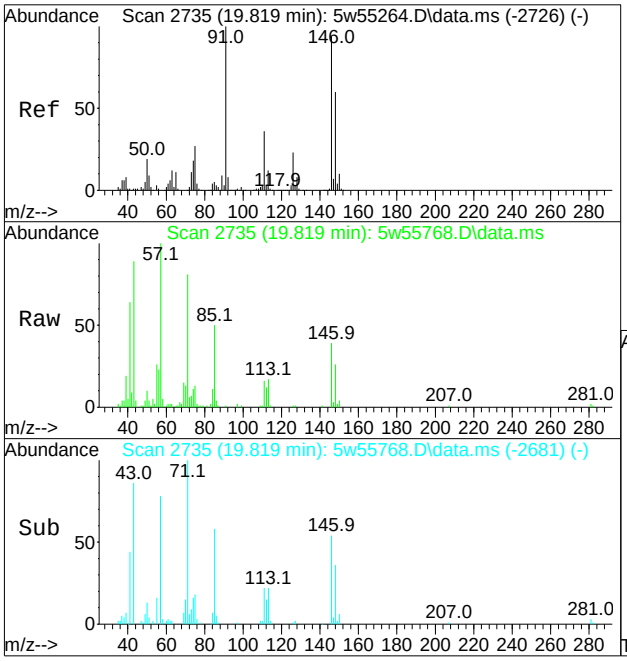



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1265 PPBV
RT: 19.623 min Scan# 2703
Delta R.T. -0.006 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:105 Resp: 11828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 38.9 | 22.6 | 82.6 |
| 119 | 10.7 | 69.7 | 129.7# |

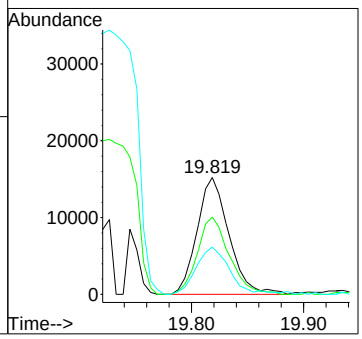



#97
m-DICHLOROBENZENE
Concen: 0.4093 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55768.D
Acq: 20 Dec 2024 4:13 am

Tgt Ion:146 Resp: 30144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 66.0 | 34.2 | 94.2 |
| 111 | 43.4 | 10.1 | 70.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55827.D
Acq On : 23 Dec 2024 4:52 pm
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 16:56:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

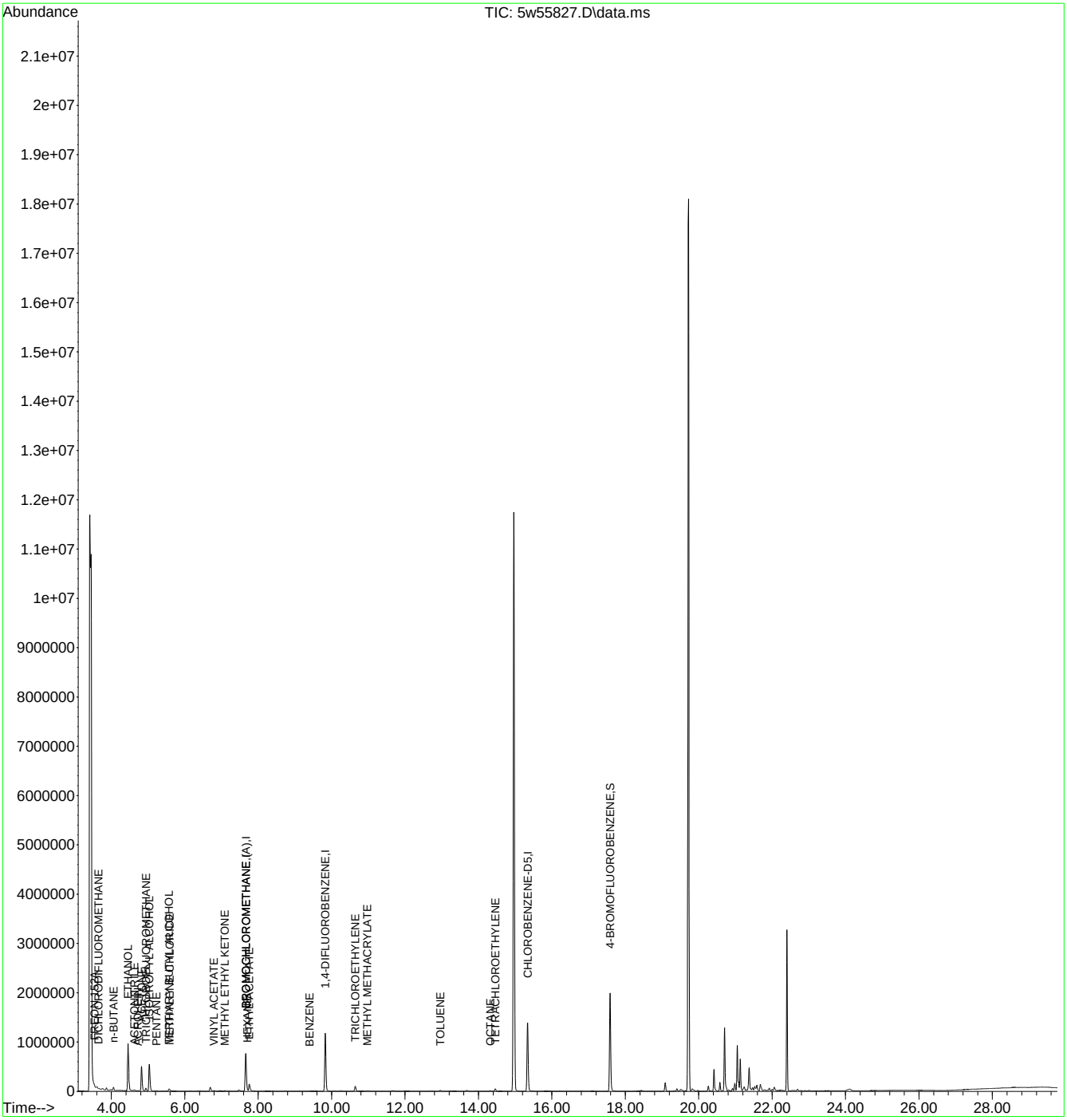
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 208762 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1039636 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 572065 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 208762 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 711573 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 1658 | 0.1073 | PPBV | # 43 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 8658 | 0.1135 | PPBV | 92 |
| 13) n-BUTANE | 4.059 | 43 | 51601 | 1.1570 | PPBV | # 93 |
| 17) ACETONITRILE | 4.622 | 41 | 12317 | 0.4781 | PPBV | 87 |
| 18) ACROLEIN | 4.720 | 56 | 2592 | 0.2304 | PPBV | 85 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 46510 | 0.6597 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 796226 | 17.8247 | PPBV | 98 |
| 23) ACETONE | 4.818 | 58 | 175950 | 10.4499 | PPBV | 93 |
| 24) PENTANE | 5.228 | 42 | 4307 | 0.1941 | PPBV | 95 |
| 28) ETHANOL | 4.451 | 45 | 1224023 | 74.7660 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 6022 | 0.2750 | PPBV | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.570 | 59 | 50821 | 1.2094 | PPBV | 87 |
| 38) HEXANE | 7.699 | 57 | 8423 | 0.2575 | PPBV | 85 |
| 39) VINYL ACETATE | 6.794 | 86 | 1693 | 0.4528 | PPBV | # 83 |
| 41) METHYL ETHYL KETONE | 7.088 | 72 | 5292 | 0.5844 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.754 | 61 | 26541 | 3.9732 | PPBV | # 76 |
| 52) BENZENE | 9.400 | 78 | 9048 | 0.1201 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 39658 | 0.9983 | PPBV | 94 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 6324 | 0.2524 | PPBV | # 57 |
| 66) TOLUENE | 12.961 | 92 | 10321 | 0.1958 | PPBV | 92 |
| 73) TETRACHLOROETHYLENE | 14.459 | 164 | 15484 | 0.4144 | PPBV | 79 |
| 76) OCTANE | 14.325 | 43 | 14137 | 0.2813 | PPBV | # 57 |

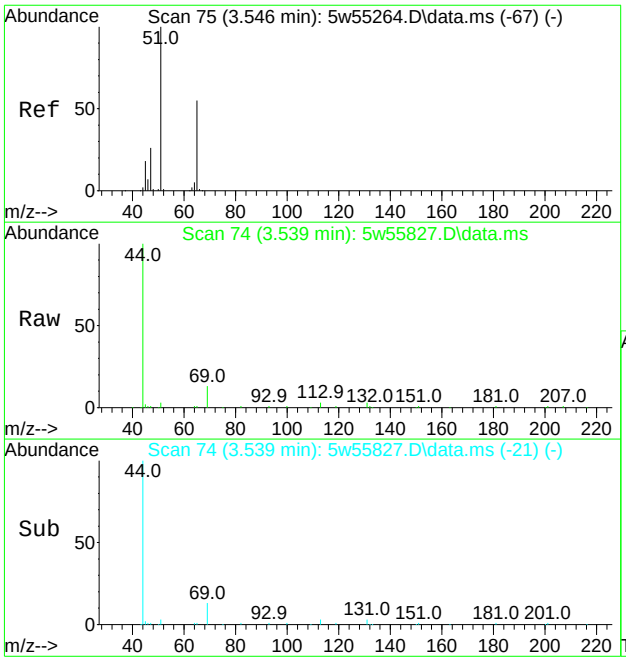
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55827.D
Acq On : 23 Dec 2024 4:52 pm
Operator : thomash
Sample : je2487-1 Inst : GCMS5W
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 24 16:56:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

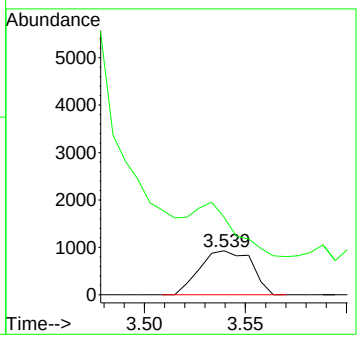


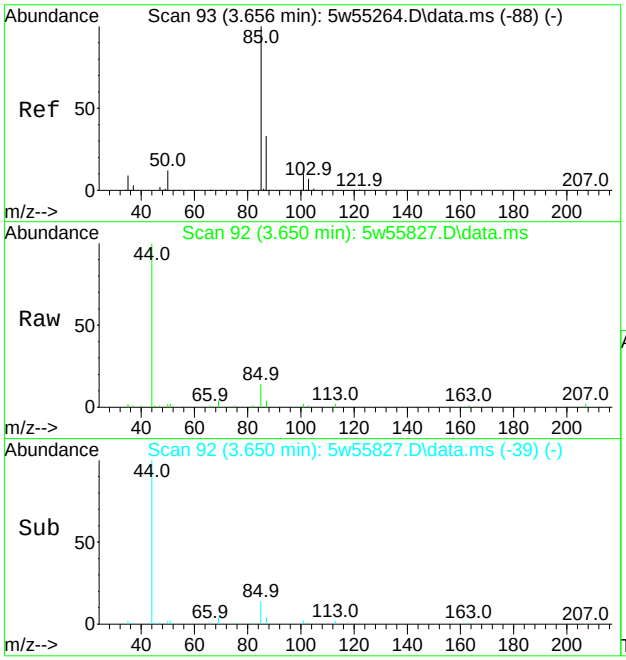



#3
FREON 152A
Concen: 0.1073 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 65 Resp: 1658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

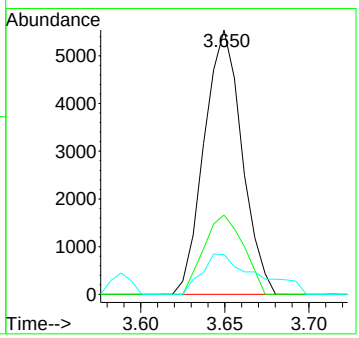


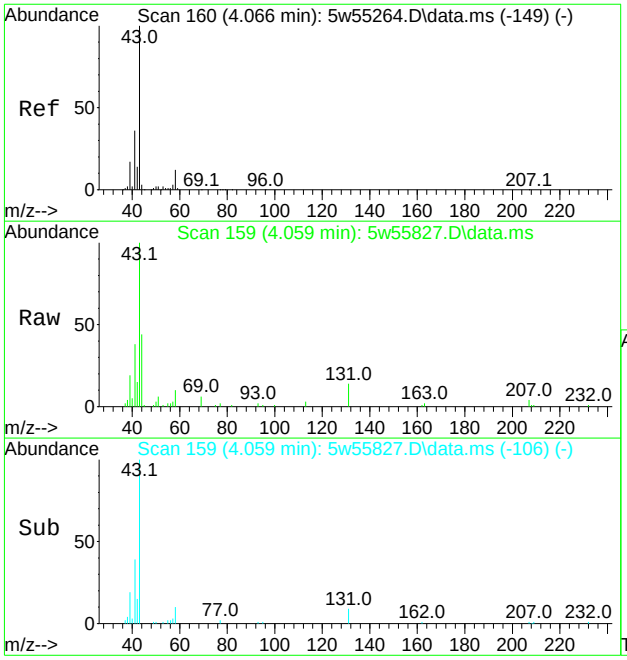




#6
DICHLORODIFLUOROMETHANE
Concen: 0.1135 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 85 Resp: 8658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 2.6 | 62.6 |
| 50 | 22.0 | 0.0 | 43.0 |

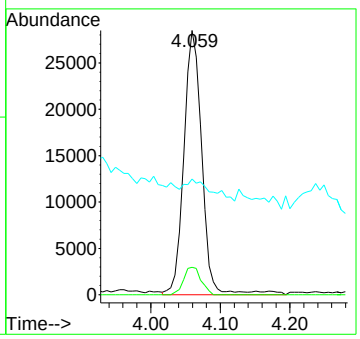


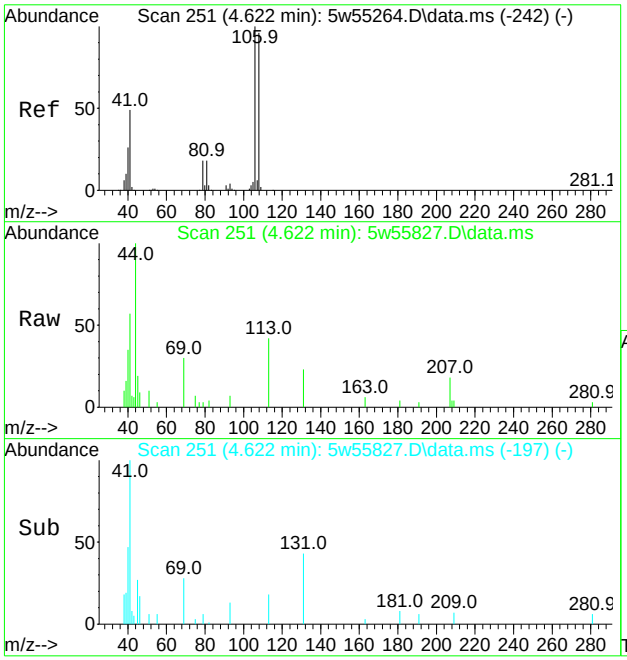



#13
n-BUTANE
Concen: 1.1570 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 43 Resp: 51601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.1 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

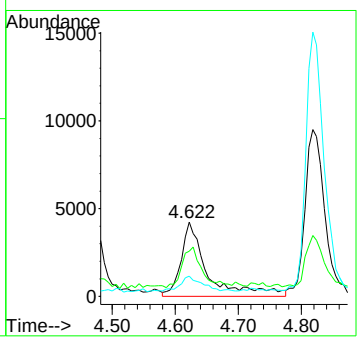


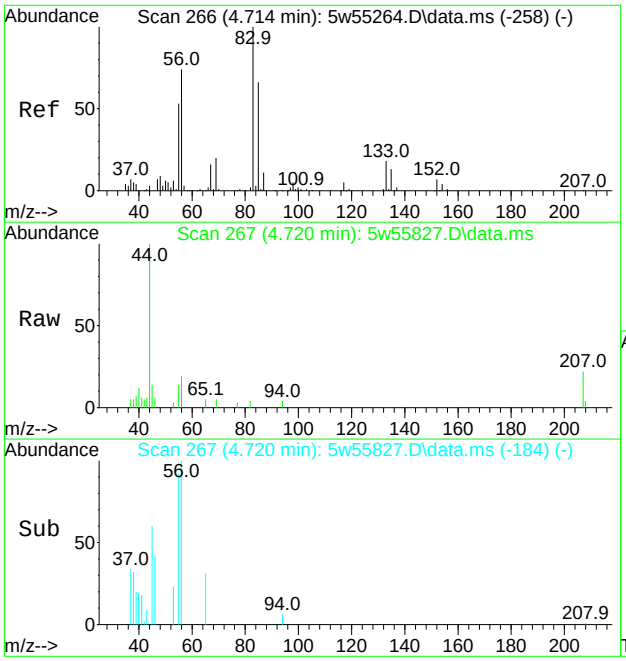




#17
ACETONITRILE
Concen: 0.4781 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 41 Resp: 12317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 43.8 | 38.4 | 71.4 |
| 39 | 16.1 | 13.7 | 25.5 |

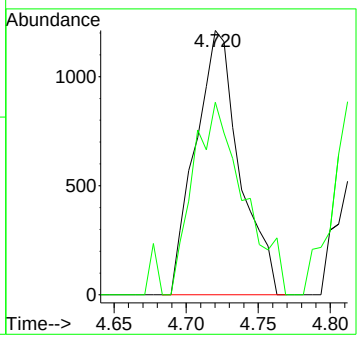


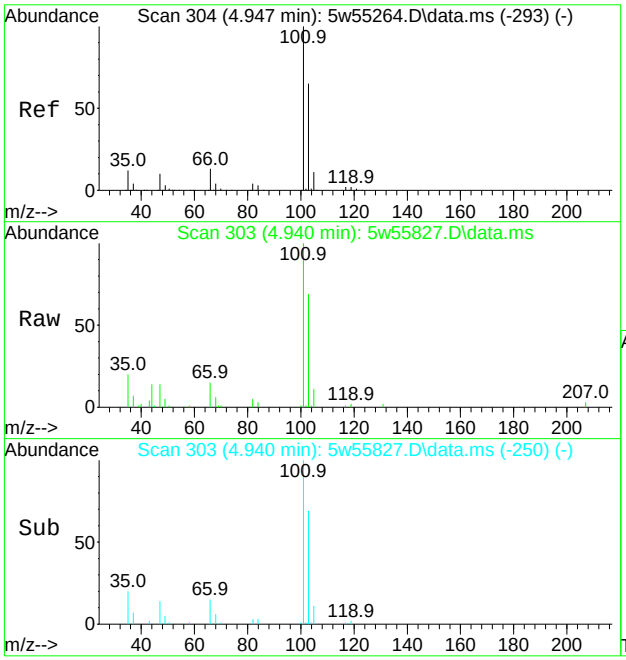



#18
ACROLEIN
Concen: 0.2304 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 56 Resp: 2592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 83.7 | 49.8 | 92.6 |

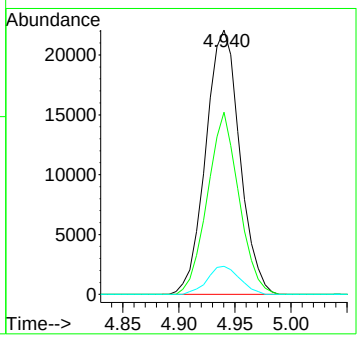


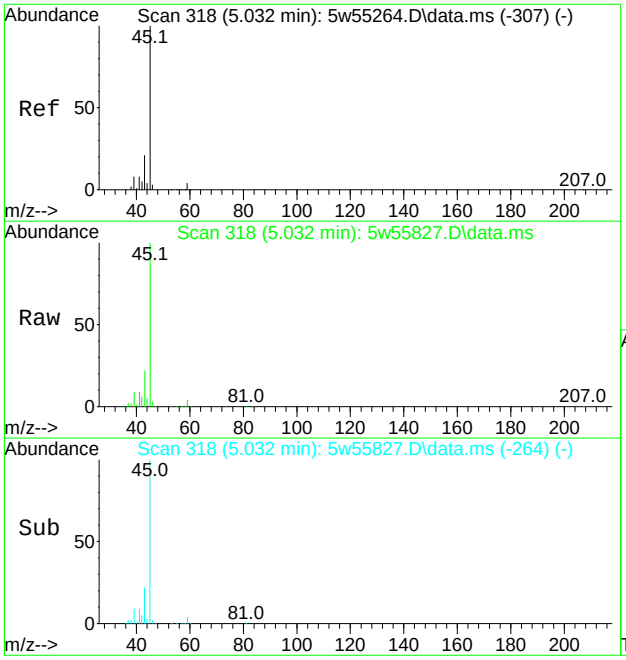




#21
TRICHLOROFLUOROMETHANE
Concen: 0.6597 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion:101 Resp: 46510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 34.7 | 94.7 |
| 105 | 10.2 | 0.0 | 40.5 |

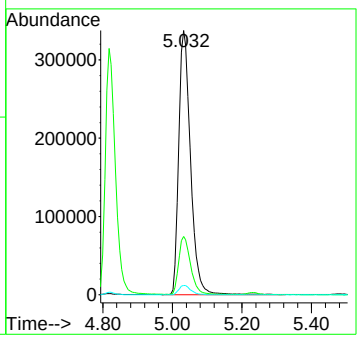


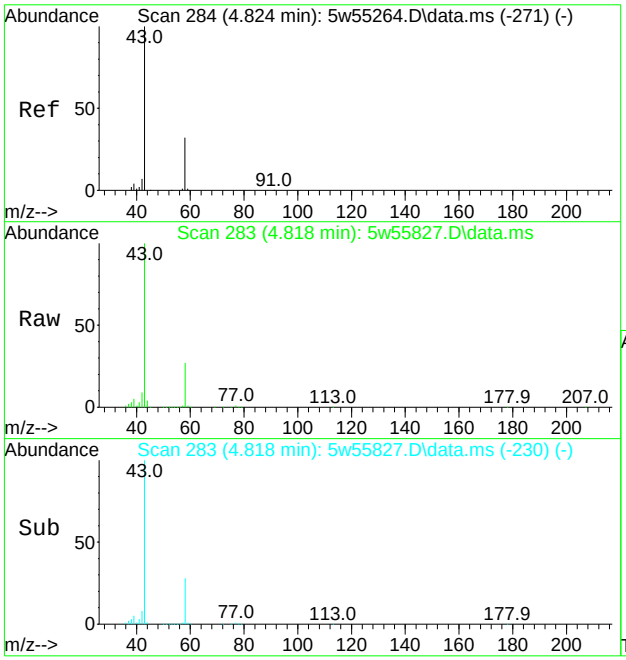



#22
ISOPROPYL ALCOHOL
Concen: 17.8247 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 45 Resp: 796226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.1 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

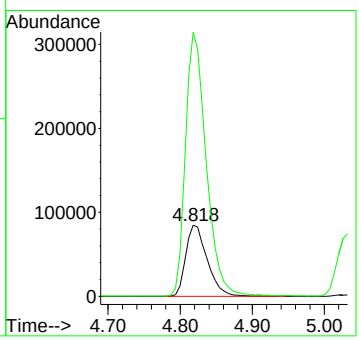


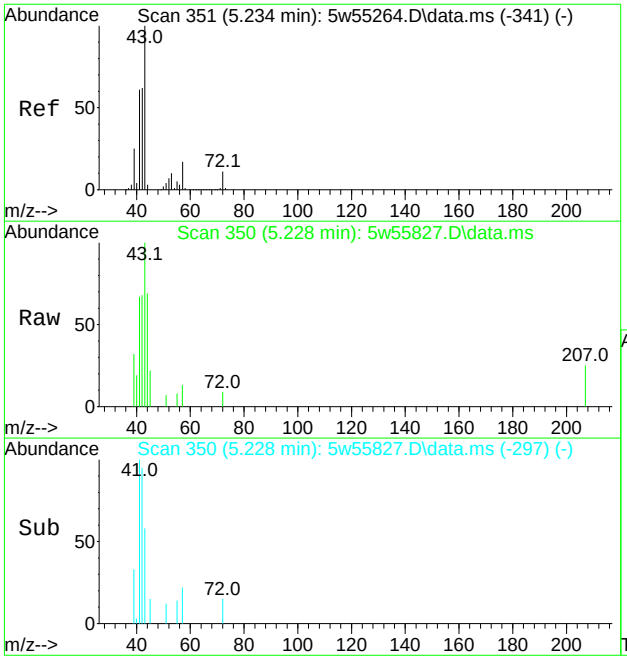




#23
ACETONE
Concen: 10.4499 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 58 Resp: 175950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 356.9 | 312.3 | 372.3 |

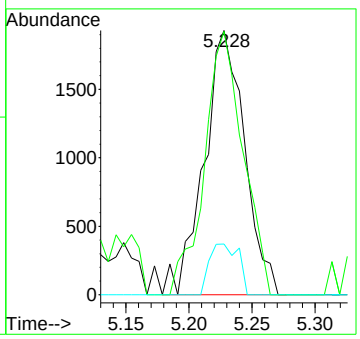


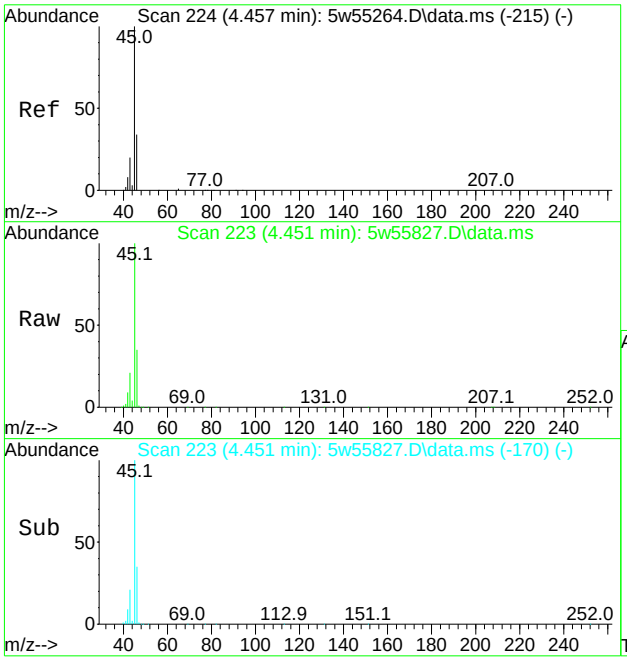



#24
PENTANE
Concen: 0.1941 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 42 Resp: 4307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 94.8 | 64.4 | 124.4 |
| 57 | 13.8 | 0.0 | 55.0 |

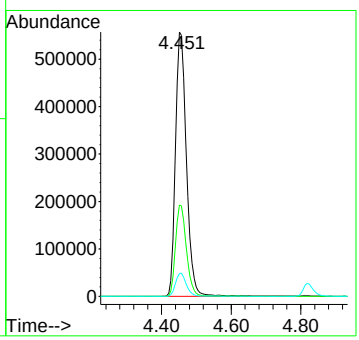


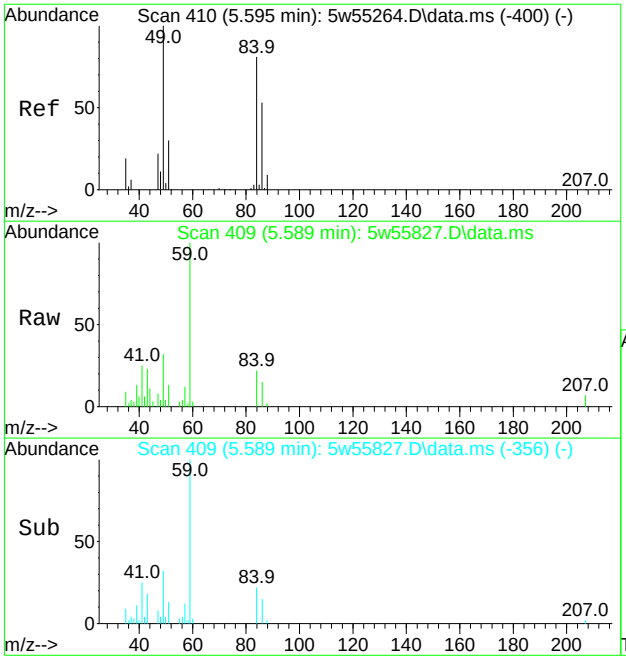




#28
ETHANOL
Concen: 74.7660 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 45 Resp: 1224023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.6 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

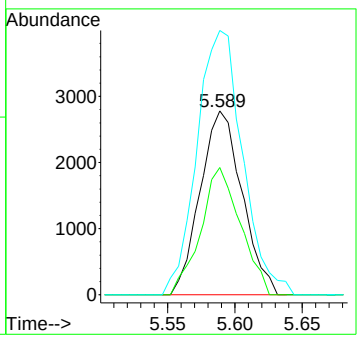


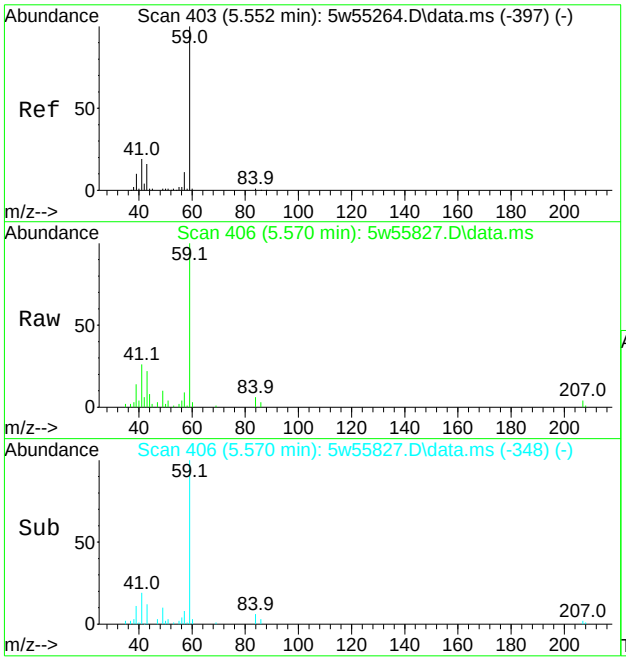



#31
METHYLENE CHLORIDE
Concen: 0.2750 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 84 Resp: 6022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.6 | 34.0 | 94.0 |
| 49 | 156.6 | 105.8 | 165.8 |

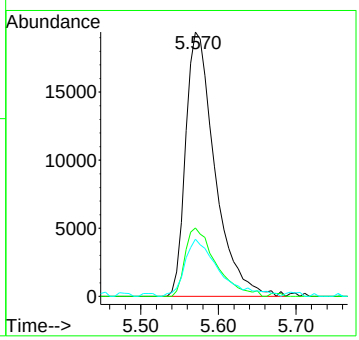


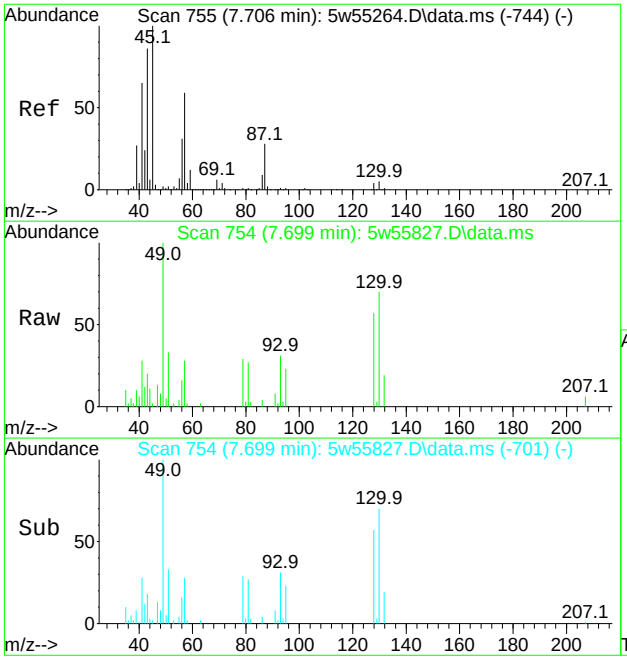




#35
TERTIARY BUTYL ALCOHOL
Concen: 1.2094 PPBV
RT: 5.570 min Scan# 406
Delta R.T. 0.024 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 59 Resp: 50821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 27.2 | 0.0 | 53.1 |
| 43 | 25.2 | 0.0 | 47.1 |

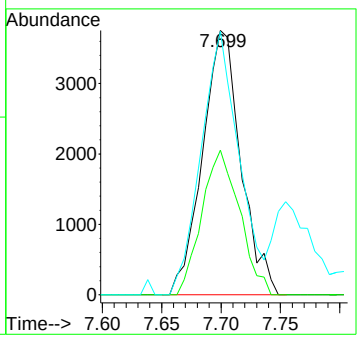


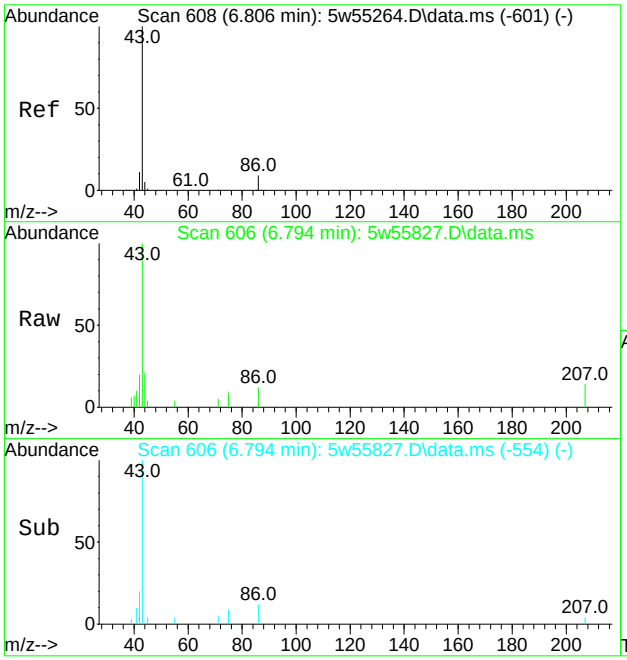



#38
HEXANE
Concen: 0.2575 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 57 Resp: 8423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.8 | 24.2 | 84.2 |
| 41 | 98.6 | 92.1 | 152.1 |

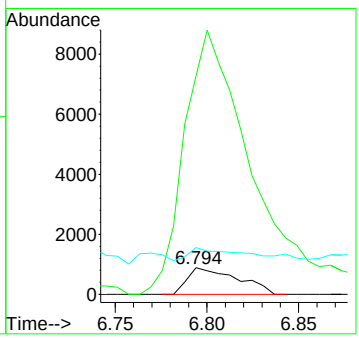


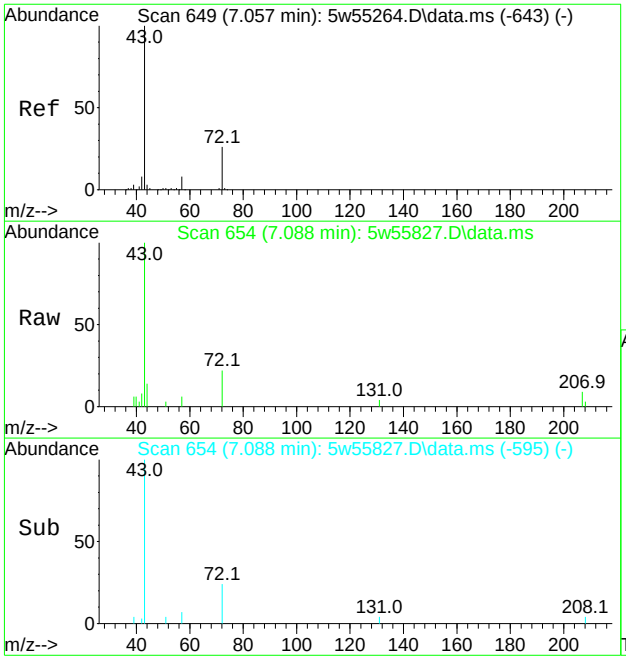




#39
VINYL ACETATE
Concen: 0.4528 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 86 Resp: 1693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1450.9 | 1335.5 | 1395.5# |
| 44 | 106.7 | 40.9 | 100.9# |

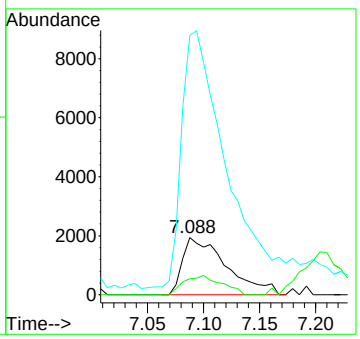


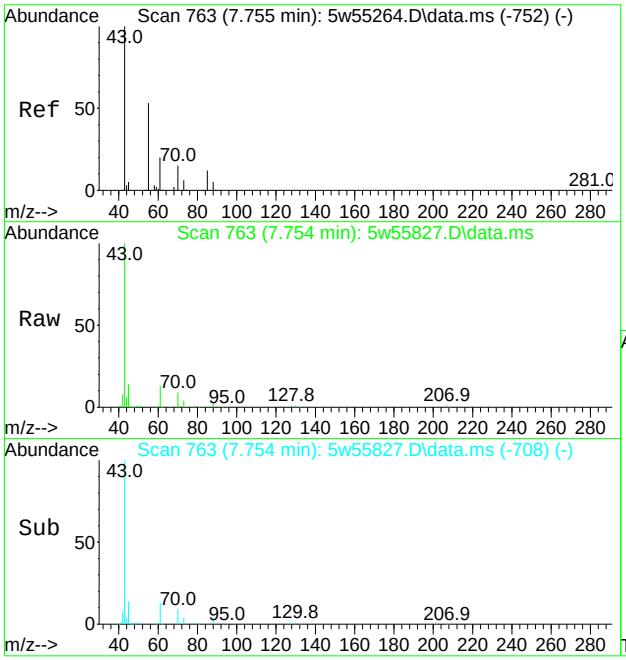



#41
METHYL ETHYL KETONE
Concen: 0.5844 PPBV
RT: 7.088 min Scan# 654
Delta R.T. 0.030 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 72 Resp: 5292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 27.8 | 1.1 | 61.1 |
| 43 | 452.3 | 390.6 | 450.6# |

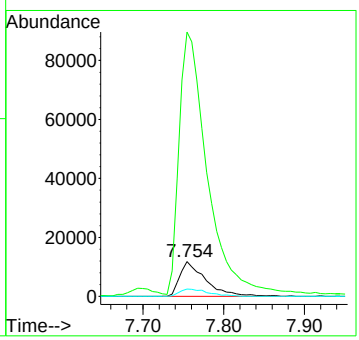


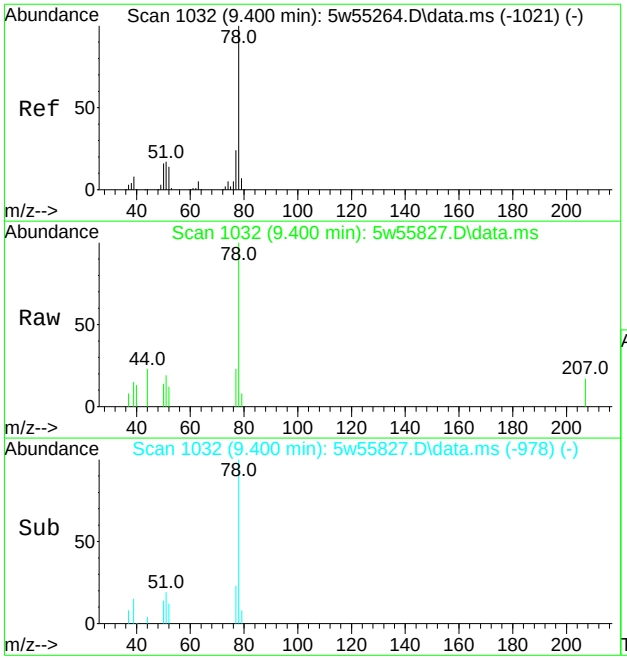




#44
ETHYL ACETATE
Concen: 3.9732 PPBV
RT: 7.754 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 61 Resp: 26541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 842.6 | 0.0 | 30.0# |
| 88 | 23.2 | 7.3 | 67.3 |

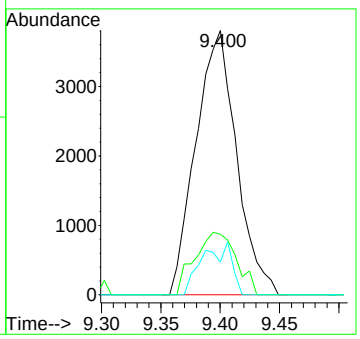


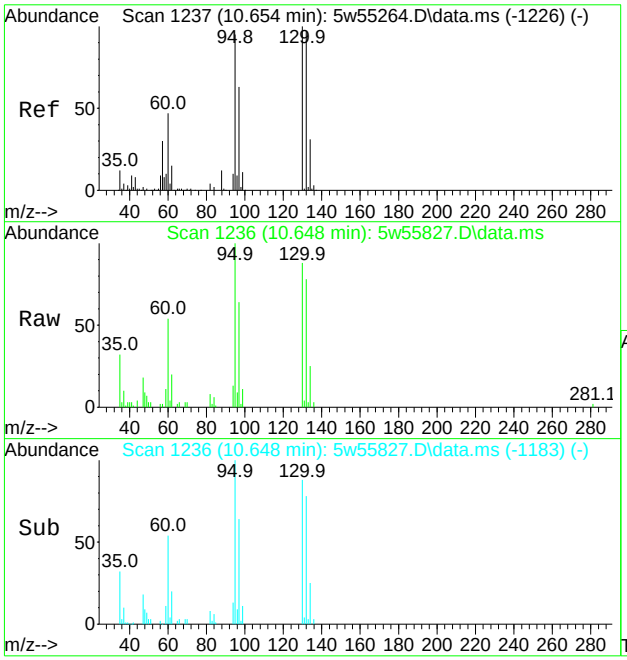



#52
BENZENE
Concen: 0.1201 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 78 Resp: 9048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 0.0 | 54.0 |
| 52 | 14.3 | 0.0 | 45.6 |

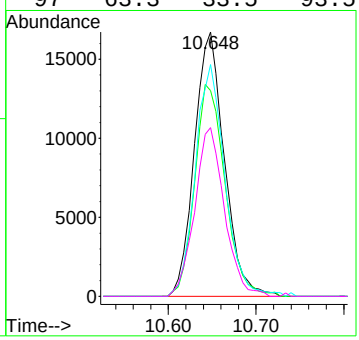


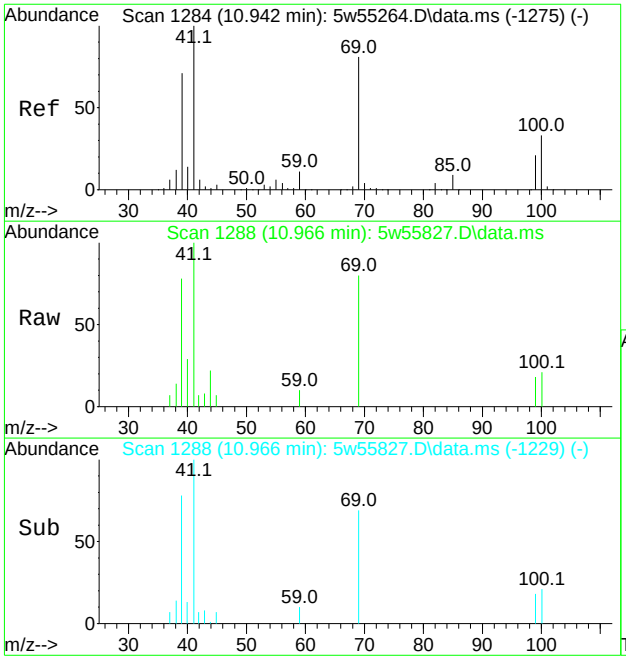




#55
TRICHLOROETHYLENE
Concen: 0.9983 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 95 Resp: 39658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 81.6 | 60.0 | 120.0 |
| 130 | 86.8 | 64.1 | 124.1 |
| 97 | 63.3 | 33.5 | 93.5 |

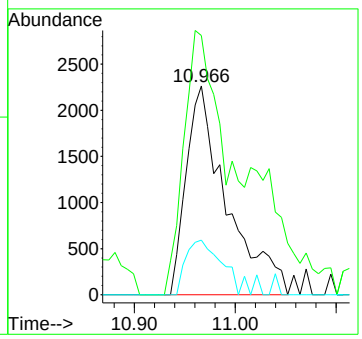


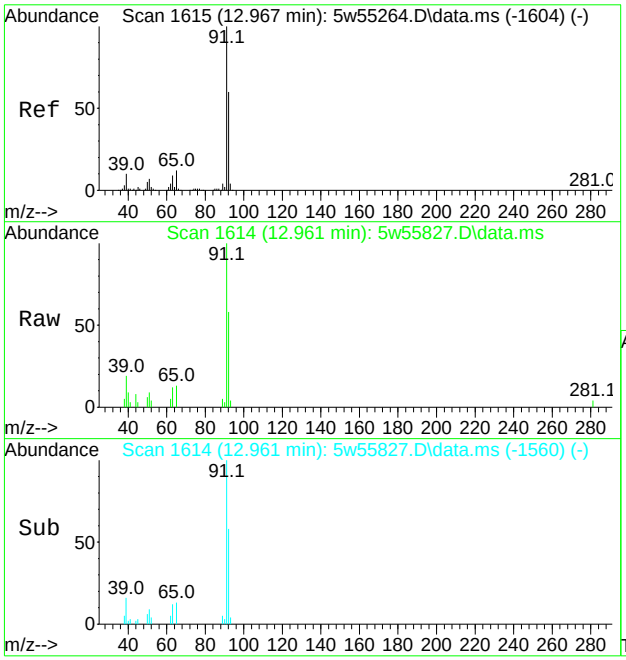



#63
METHYL METHACRYLATE
Concen: 0.2524 PPBV
RT: 10.966 min Scan# 1288
Delta R.T. 0.030 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 69 Resp: 6324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 185.4 | 97.3 | 157.3# |
| 100 | 25.0 | 3.0 | 63.0 |

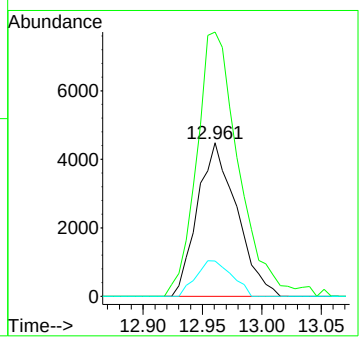


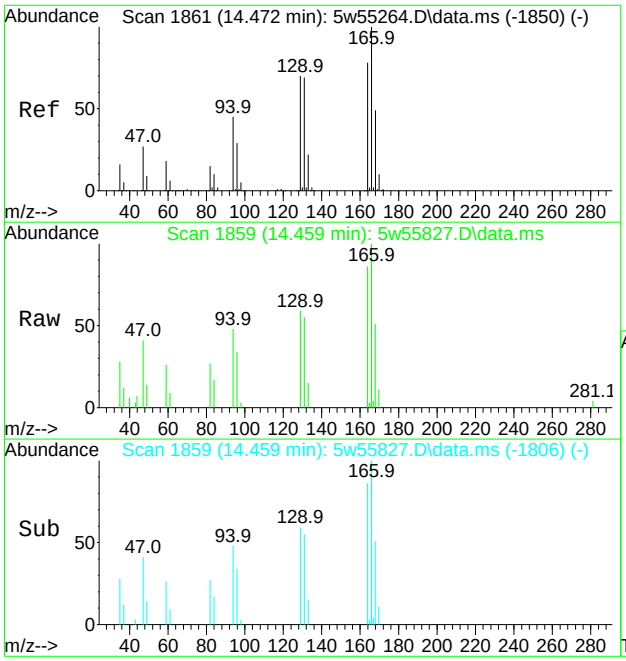




#66
TOLUENE
Concen: 0.1958 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 92 Resp: 10321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 185.3 | 143.4 | 203.4 |
| 65 | 21.1 | 0.0 | 53.8 |

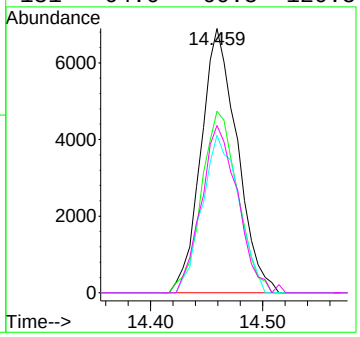


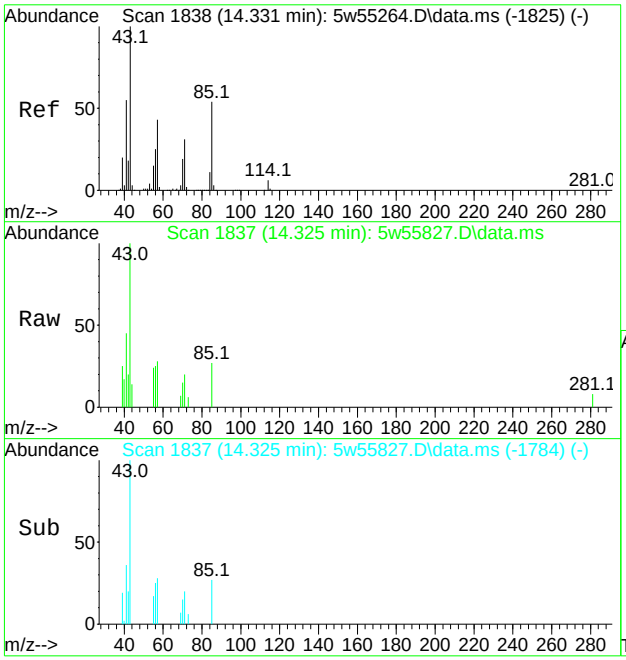



#73
TETRACHLOROETHYLENE
Concen: 0.4144 PPBV
RT: 14.459 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion:164 Resp: 15484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 68.7 | 64.4 | 124.4 |
| 168 | 60.4 | 31.2 | 91.2 |
| 131 | 64.0 | 60.5 | 120.5 |

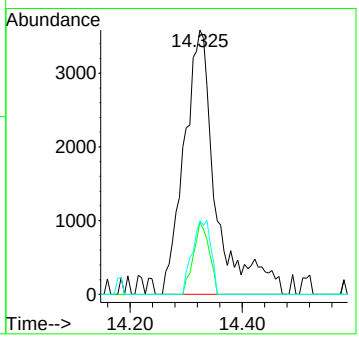



#76
OCTANE
Concen: 0.2813 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55827.D
Acq: 23 Dec 2024 4:52 pm

Tgt Ion: 43 Resp: 14137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 13.5 | 13.7 | 73.7# |
| 57 | 16.3 | 9.9 | 69.9 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:51:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

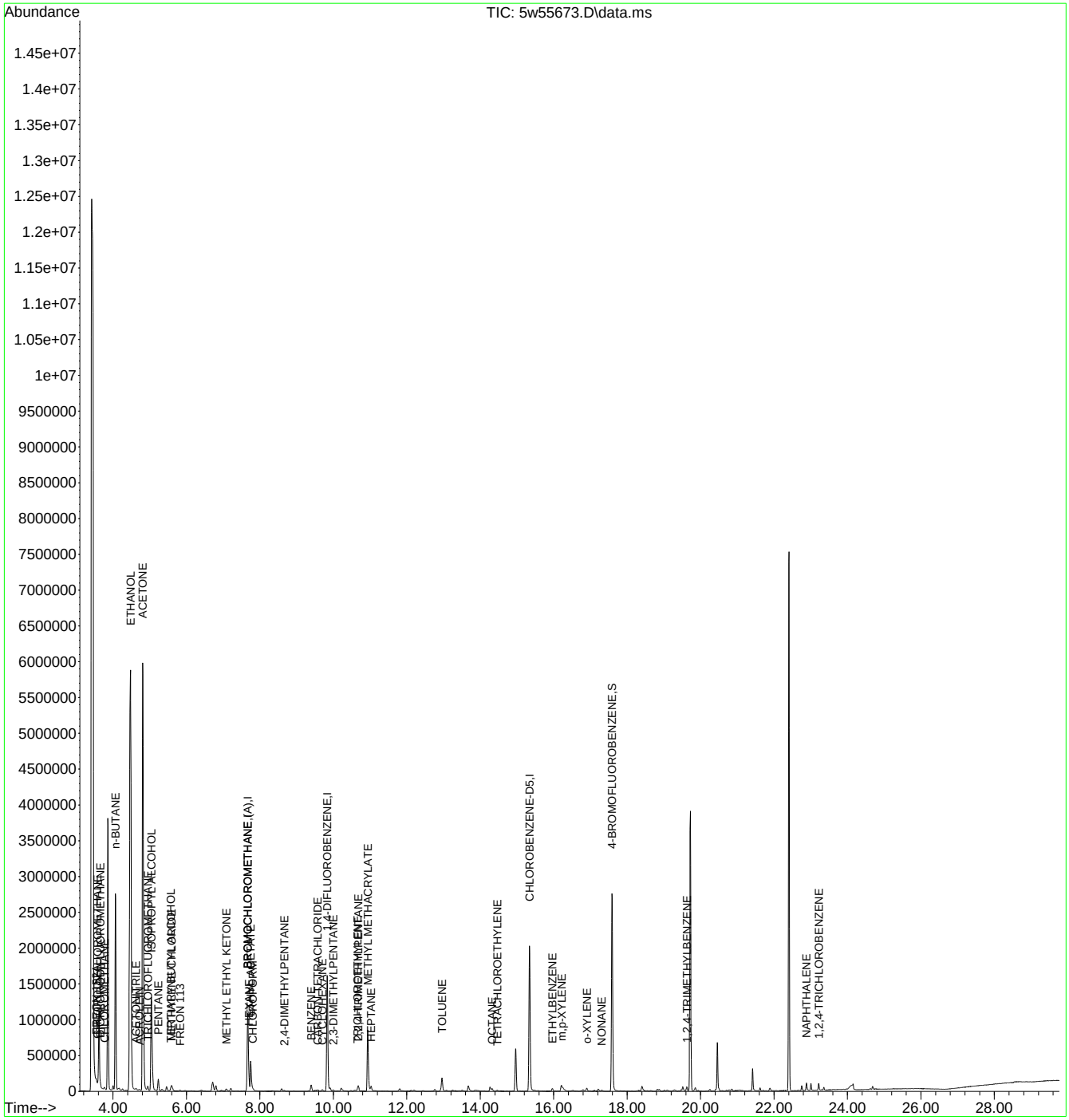
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 279715 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1392537 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 858944 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 279715 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1057631 | 11.00 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 19833 | 0.9584 | PPBV | 55 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 4425 | 0.4124 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 63749 | 0.6236 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 7123 | 0.5404 | PPBV # | 80 |
| 13) n-BUTANE | 4.066 | 43 | 2355567 | 39.4190 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 24049 | 0.6967 | PPBV | 94 |
| 18) ACROLEIN | 4.714 | 56 | 10288 | 0.6826 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 45850 | 0.4854 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.044 | 45 | 2082444 | 34.7932 | PPBV | 98 |
| 23) ACETONE | 4.806 | 58 | 2341132 | 103.7732 | PPBV | 98 |
| 24) PENTANE | 5.234 | 42 | 68258 | 2.2957 | PPBV | 97 |
| 28) ETHANOL | 4.476 | 45 | 9564257 | 436.0153 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 22209 | 0.7570 | PPBV | 99 |
| 33) FREON 113 | 5.828 | 151 | 5043 | 0.1036 | PPBV | 90 |
| 35) TERTIARY BUTYL ALCOHOL | 5.577 | 59 | 67061 | 1.1911 | PPBV # | 61 |
| 38) HEXANE | 7.700 | 57 | 47907 | 1.0931 | PPBV | 93 |
| 41) METHYL ETHYL KETONE | 7.088 | 72 | 12758 | 1.0515 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.748 | 61 | 80032 | 8.9417 | PPBV # | 75 |
| 46) CHLOROFORM | 7.804 | 83 | 12160 | 0.1693 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5420 | 0.1131 | PPBV | 95 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8867 | 0.1151 | PPBV | 99 |
| 52) BENZENE | 9.400 | 78 | 91003 | 0.9016 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 8506 | 0.2243 | PPBV | 81 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 3422 | 0.1672 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.661 | 95 | 3652 | 0.0686 | PPBV | 89 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 69286 | 0.4520 | PPBV | 86 |
| 62) HEPTANE | 11.028 | 43 | 28874 | 0.5393 | PPBV | 97 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 406504 | 12.1146 | PPBV | 96 |
| 66) TOLUENE | 12.961 | 92 | 93494 | 1.3243 | PPBV | 97 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 3242 | 0.0578 | PPBV | 87 |
| 76) OCTANE | 14.325 | 43 | 24399m | 0.3234 | PPBV | |
| 79) ETHYLBENZENE | 15.965 | 91 | 39230 | 0.2477 | PPBV | 93 |
| 80) m,p-XYLENE | 16.215 | 106 | 38407 | 0.6392 | PPBV | 97 |
| 81) o-XYLENE | 16.907 | 106 | 14108 | 0.2419 | PPBV | 87 |
| 83) NONANE | 17.304 | 43 | 9357 | 0.1188 | PPBV # | 90 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 31869 | 0.2134 | PPBV # | 41 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 30260 | 0.3181 | PPBV | 97 |
| 108) NAPHTHALENE | 22.884 | 128 | 69916 | 0.3348 | PPBV | 99 |

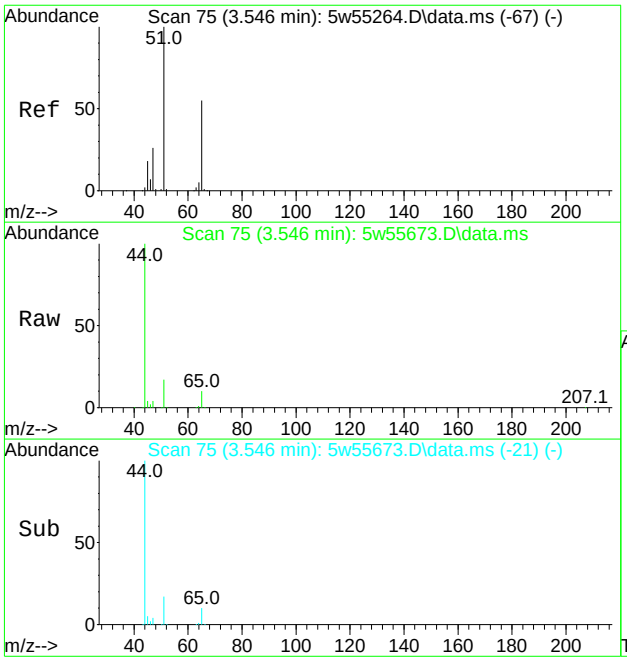
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:51:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

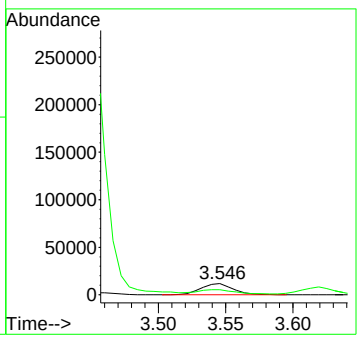


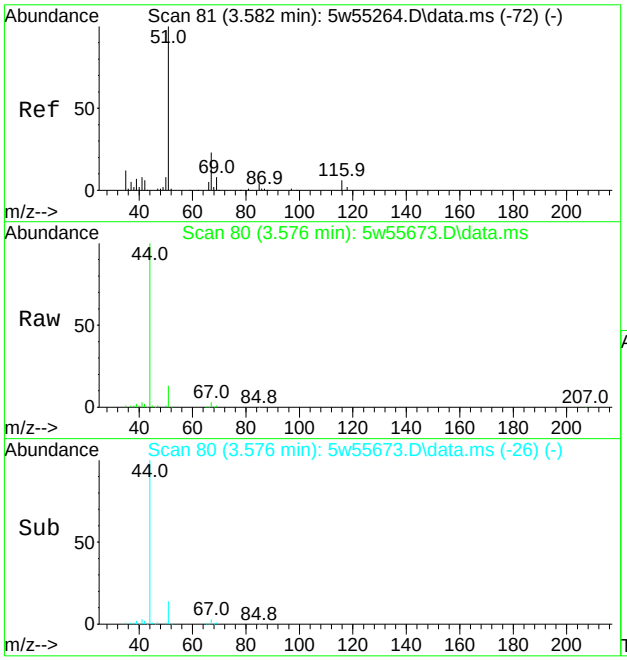



#3
FREON 152A
Concen: 0.9584 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 65 Resp: 19833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 56.9 | 1.8 | 61.8 |

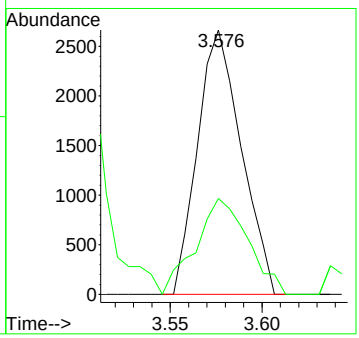


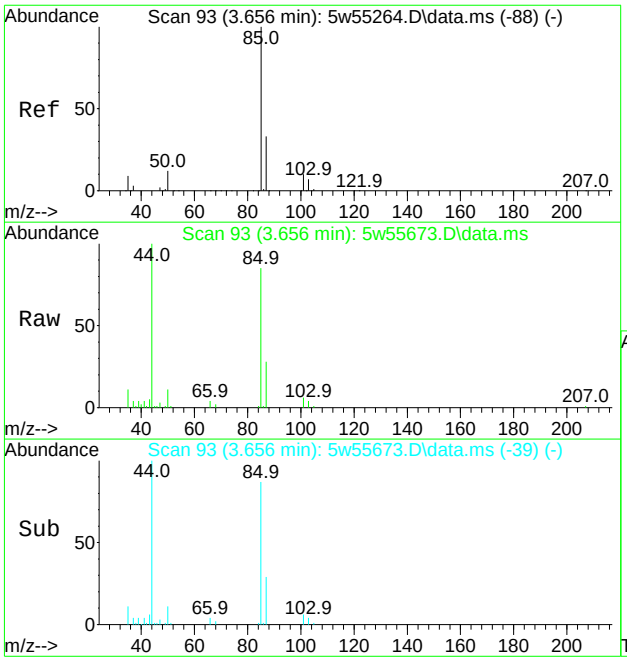




#4
CHLORODIFLUOROMETHANE
Concen: 0.4124 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 67 Resp: 4425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 36.3 | 2.9 | 62.9 |

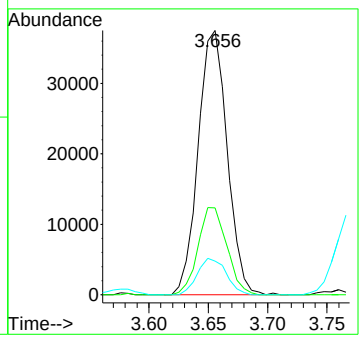


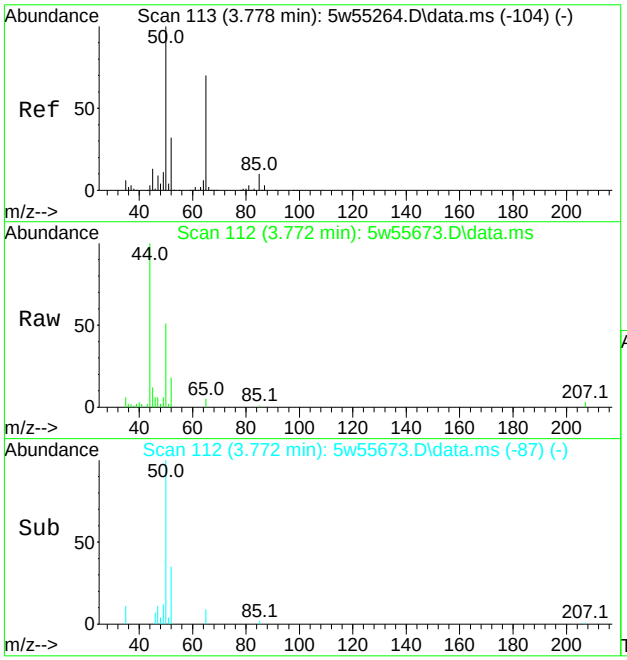



#6
DICHLORODIFLUOROMETHANE
Concen: 0.6236 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 85 Resp: 63749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 2.6 | 62.6 |
| 50 | 13.7 | 0.0 | 43.0 |

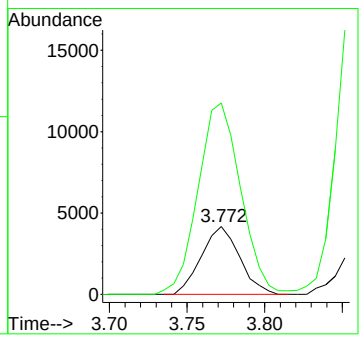


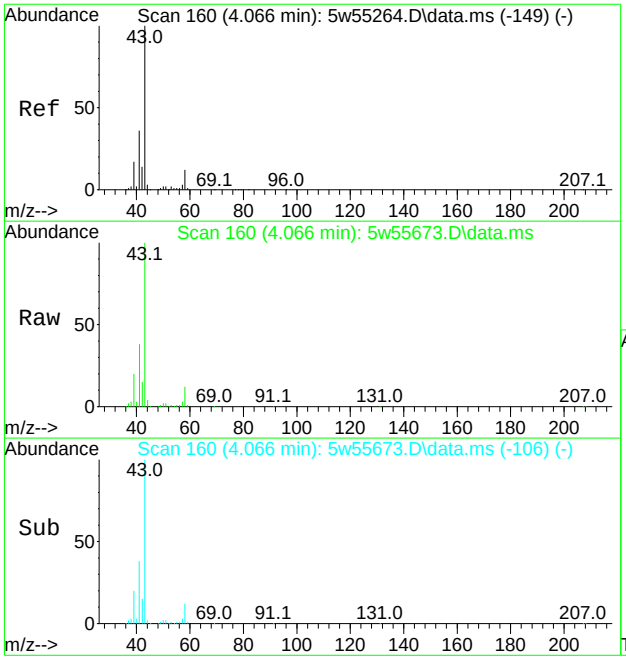




#10
CHLOROMETHANE
Concen: 0.5404 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 52 Resp: 7123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 276.4 | 287.9 | 347.9# |

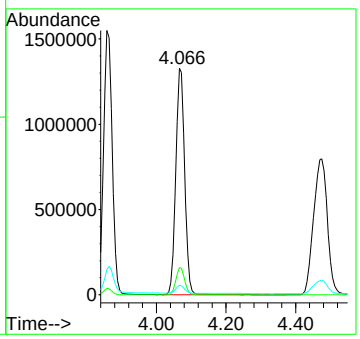


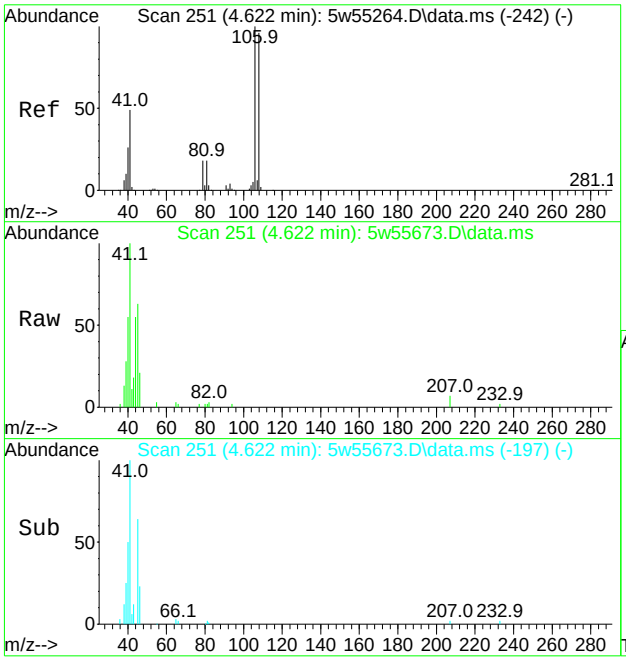



#13
n-BUTANE
Concen: 39.4190 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 2355567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.8 | 0.0 | 41.6 |
| 44 | 5.4 | 0.0 | 34.7 |

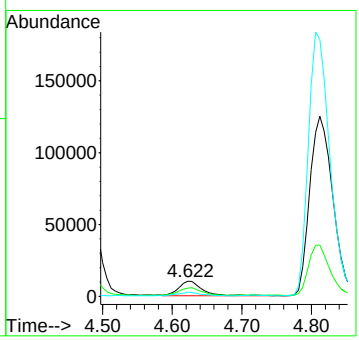


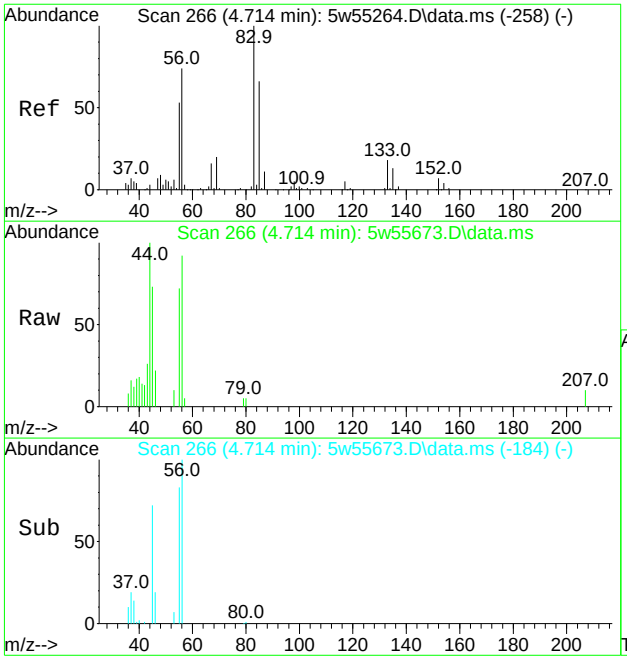




#17
ACETONITRILE
Concen: 0.6967 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 41 Resp: 24049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 51.4 | 38.4 | 71.4 |
| 39 | 24.5 | 13.7 | 25.5 |

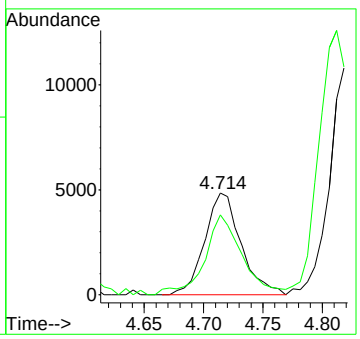


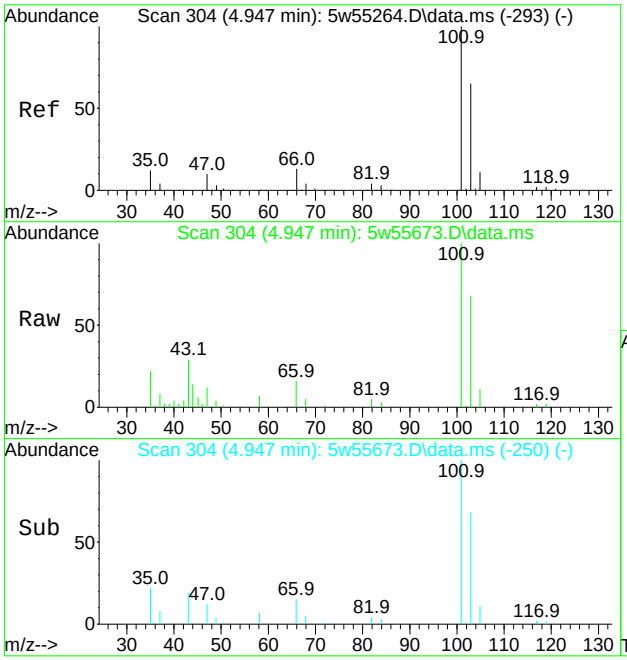



#18
ACROLEIN
Concen: 0.6826 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 56 Resp: 10288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.6 | 49.8 | 92.6 |

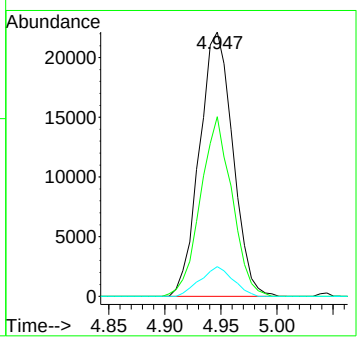


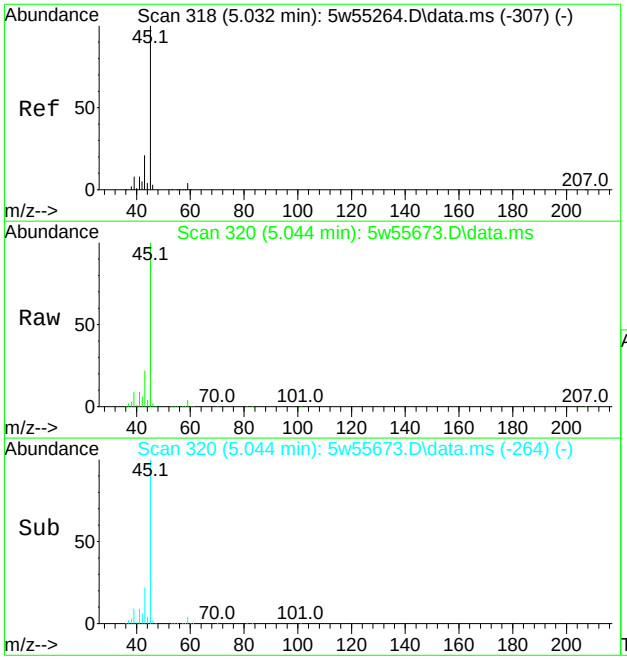




#21
TRICHLOROFLUOROMETHANE
Concen: 0.4854 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:101 Resp: 45850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 34.7 | 94.7 |
| 105 | 11.0 | 0.0 | 40.5 |

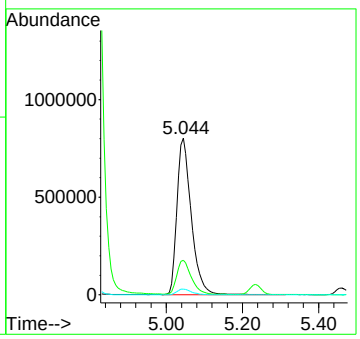


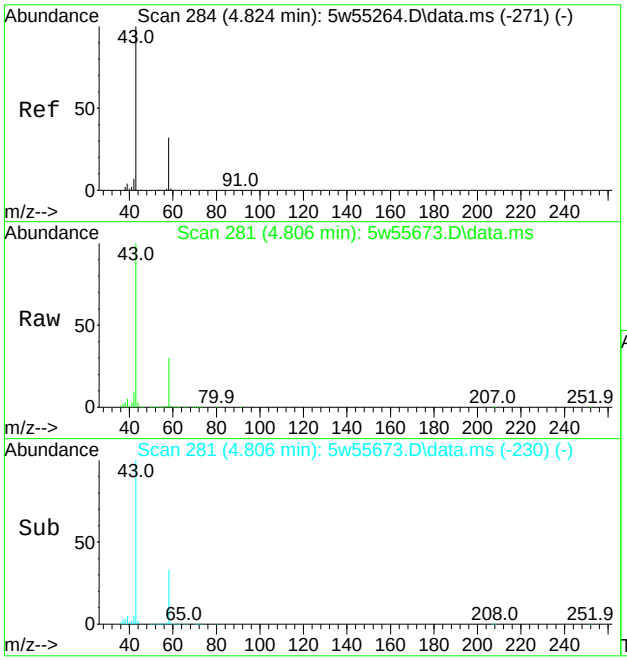



#22
ISOPROPYL ALCOHOL
Concen: 34.7932 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 45 Resp: 2082444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.0 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

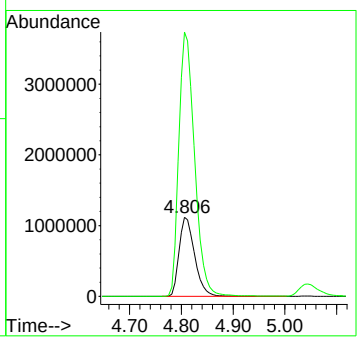


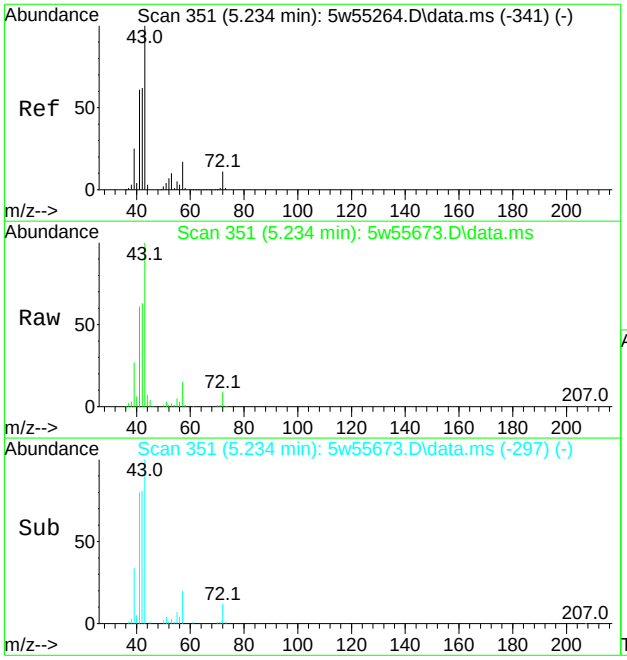




#23
ACETONE
Concen: 103.7732 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 58 Resp: 2341132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 338.7 | 312.3 | 372.3 |

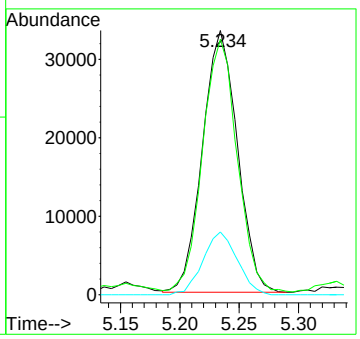


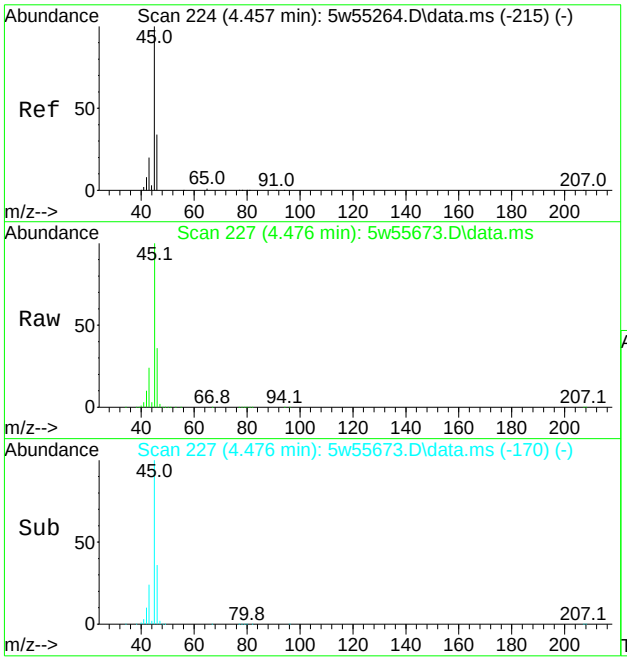



#24
PENTANE
Concen: 2.2957 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 42 Resp: 68258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.7 | 64.4 | 124.4 |
| 57 | 23.5 | 0.0 | 55.0 |

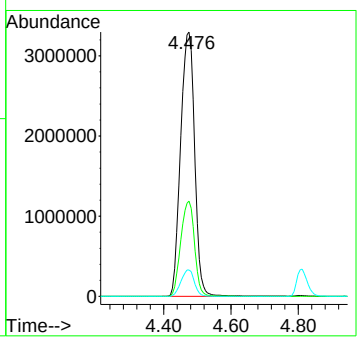


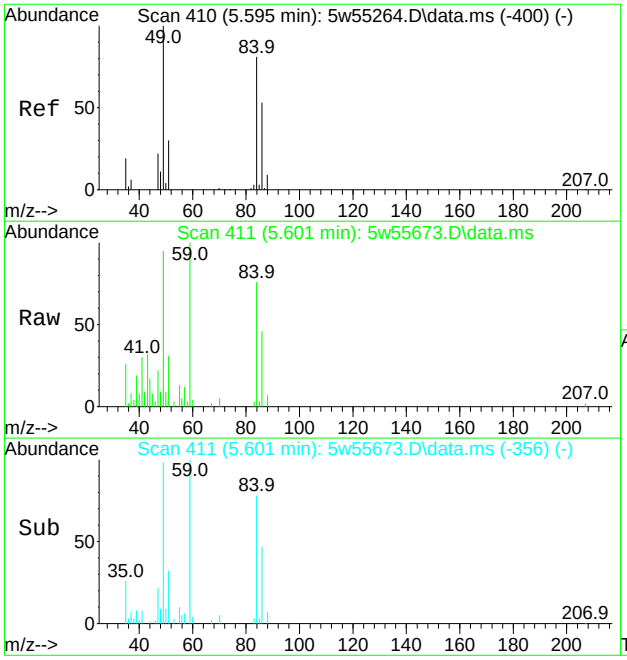




#28
ETHANOL
Concen: 436.0153 PPBV
RT: 4.476 min Scan# 227
Delta R.T. 0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 45 Resp: 9564257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.4 | 4.5 | 64.5 |
| 42 | 9.6 | 0.0 | 38.6 |

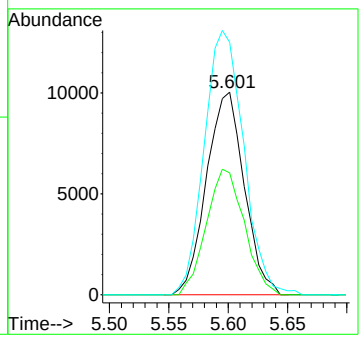


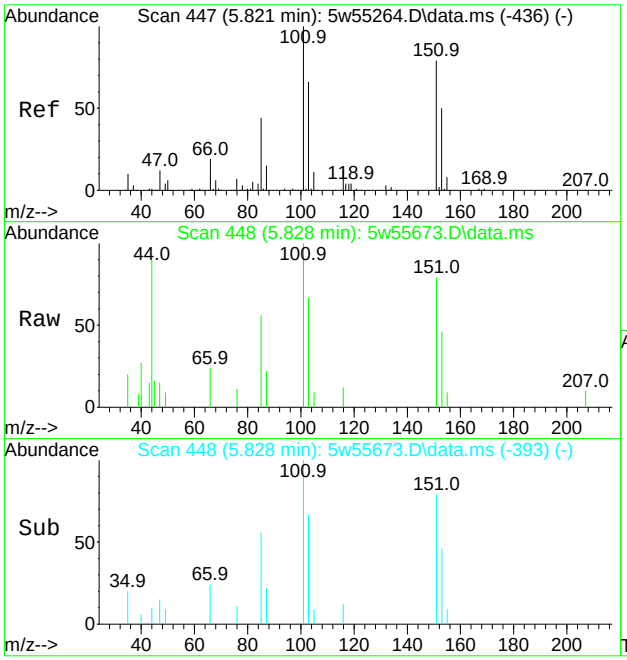



#31
METHYLENE CHLORIDE
Concen: 0.7570 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 84 Resp: 22209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.3 | 34.0 | 94.0 |
| 49 | 136.1 | 105.8 | 165.8 |

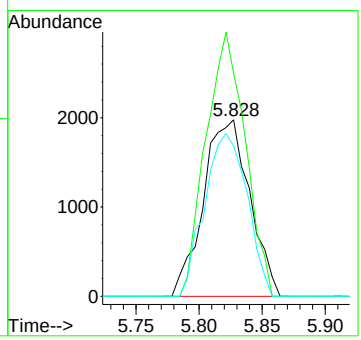


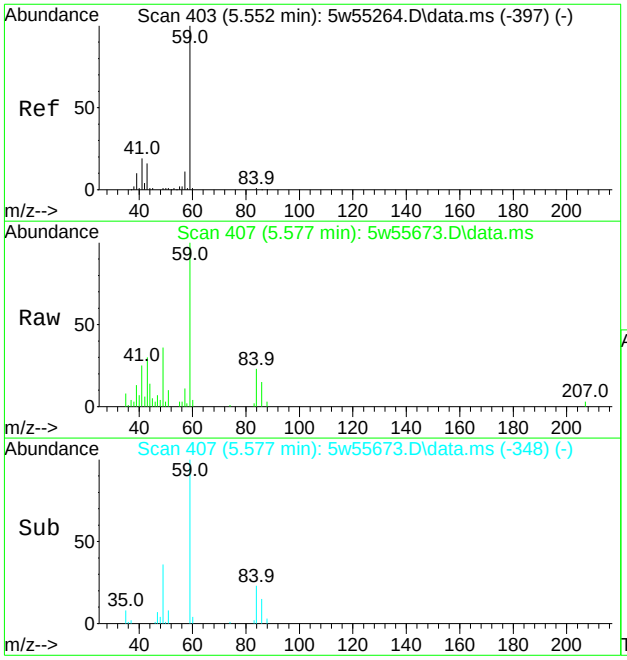




#33
FREON 113
Concen: 0.1036 PPBV
RT: 5.828 min Scan# 448
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:151 Resp: 5043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 127.2 | 112.2 | 172.2 |
| 103 | 84.8 | 62.0 | 122.0 |

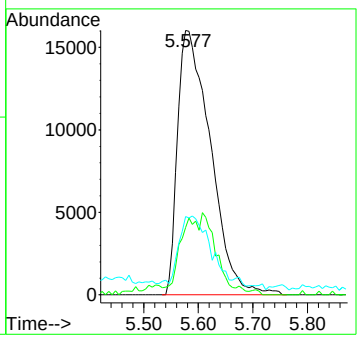


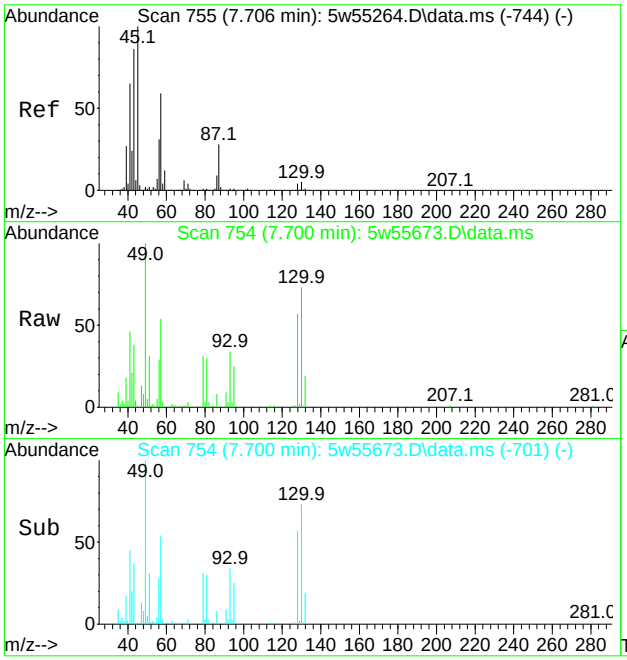



#35
TERTIARY BUTYL ALCOHOL
Concen: 1.1911 PPBV
RT: 5.577 min Scan# 407
Delta R.T. 0.030 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 59 Resp: 67061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 0.0 | 0.0 | 53.1 |
| 43 | 28.9 | 0.0 | 47.1 |

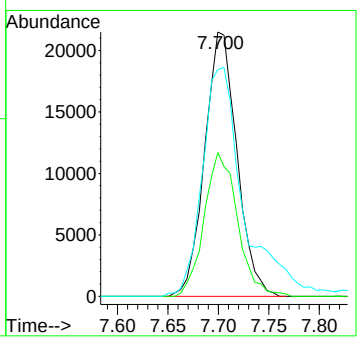


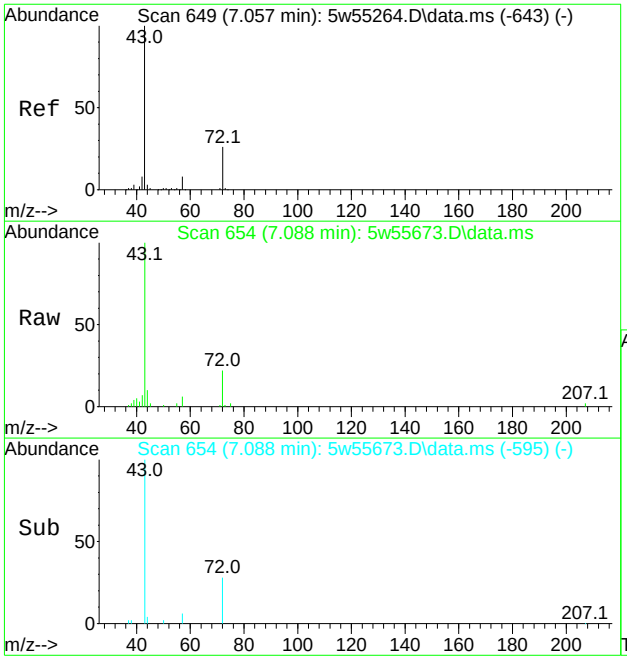




#38
HEXANE
Concen: 1.0931 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 47907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.2 | 24.2 | 84.2 |
| 41 | 112.1 | 92.1 | 152.1 |

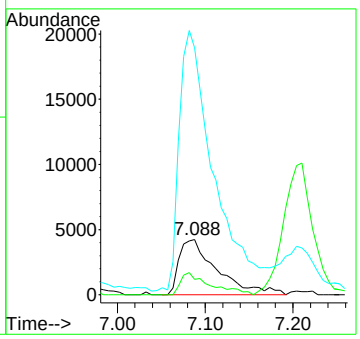


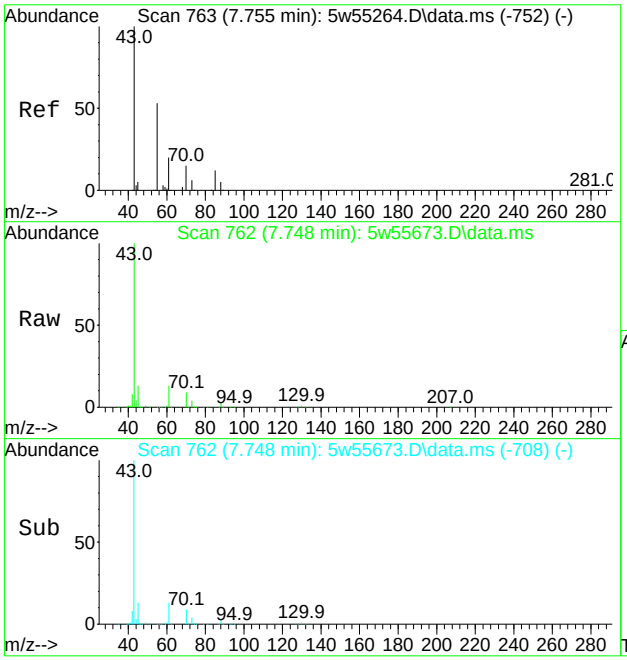



#41
METHYL ETHYL KETONE
Concen: 1.0515 PPBV
RT: 7.088 min Scan# 654
Delta R.T. 0.030 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 72 Resp: 12758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 28.2 | 1.1 | 61.1 |
| 43 | 446.9 | 390.6 | 450.6 |

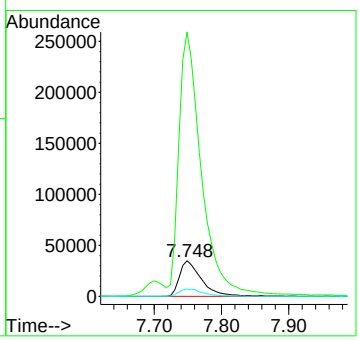


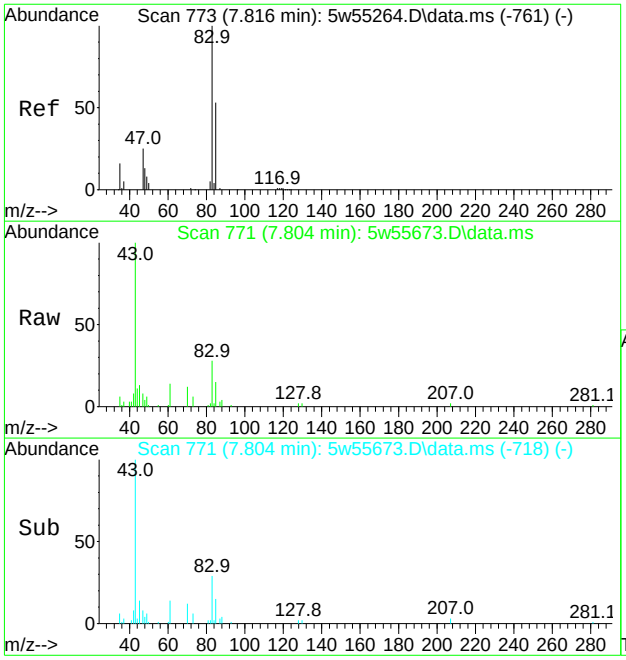




#44
ETHYL ACETATE
Concen: 8.9417 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 61 Resp: 80032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 763.0 | 0.0 | 30.0# |
| 88 | 22.5 | 7.3 | 67.3 |

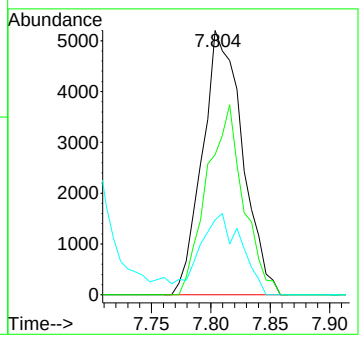


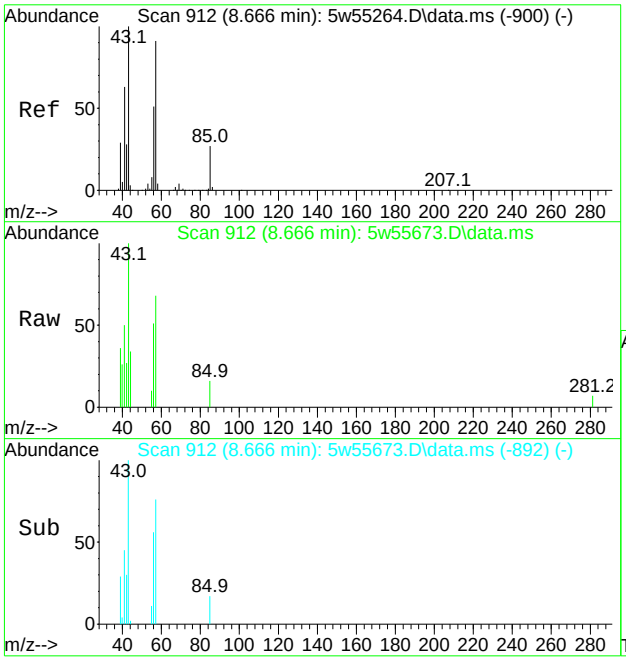



#46
CHLOROFORM
Concen: 0.1693 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 83 Resp: 12160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.0 | 35.5 | 95.5 |
| 47 | 30.1 | 0.0 | 56.8 |

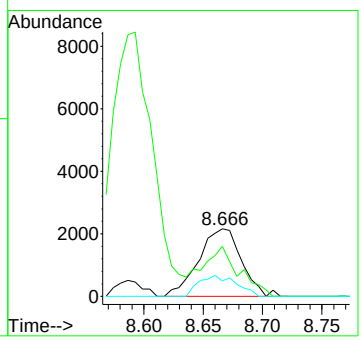


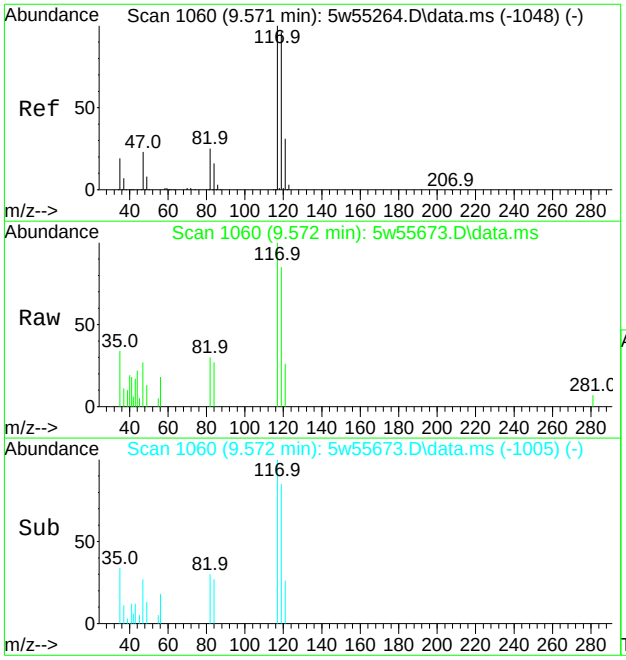




#47
2,4-DIMETHYLPENTANE
Concen: 0.1131 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 5420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 52.0 | 26.4 | 86.4 |
| 85 | 27.1 | 0.0 | 56.0 |

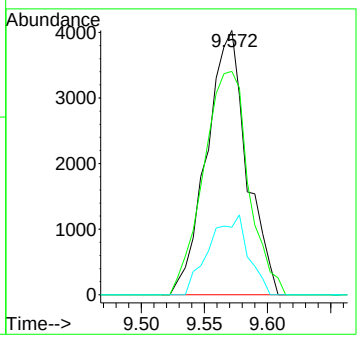


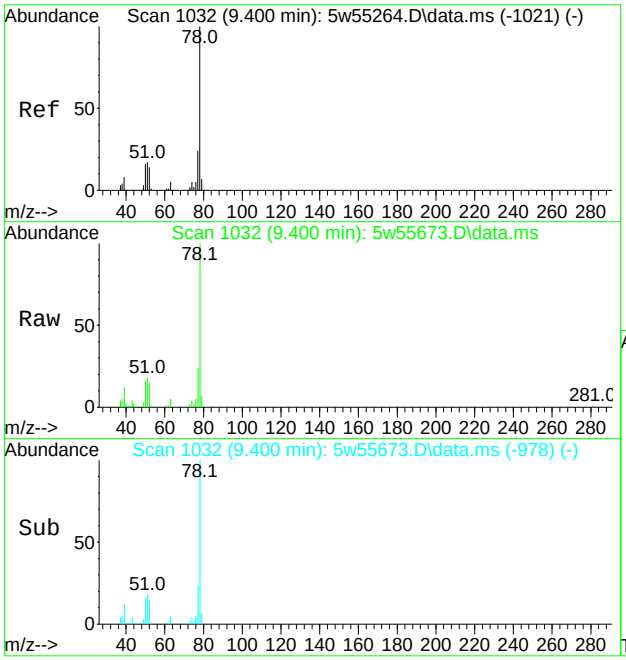



#49
CARBON TETRACHLORIDE
Concen: 0.1151 PPBV
RT: 9.572 min Scan# 1060
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:117 Resp: 8867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 65.9 | 125.9 |
| 121 | 29.2 | 0.7 | 60.7 |

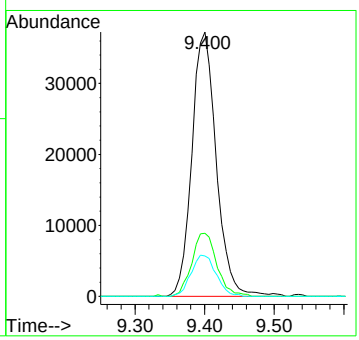


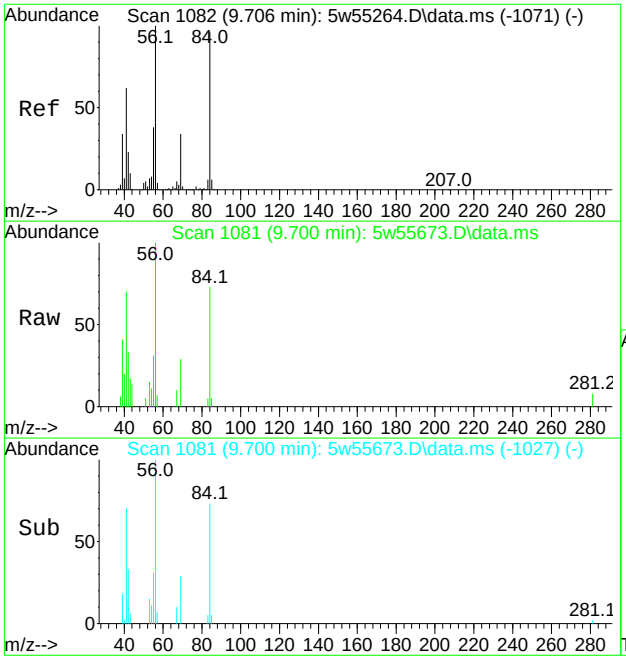




#52
BENZENE
Concen: 0.9016 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 78 Resp: 91003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 0.0 | 54.0 |
| 52 | 16.0 | 0.0 | 45.6 |

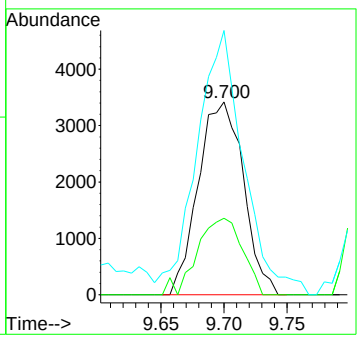


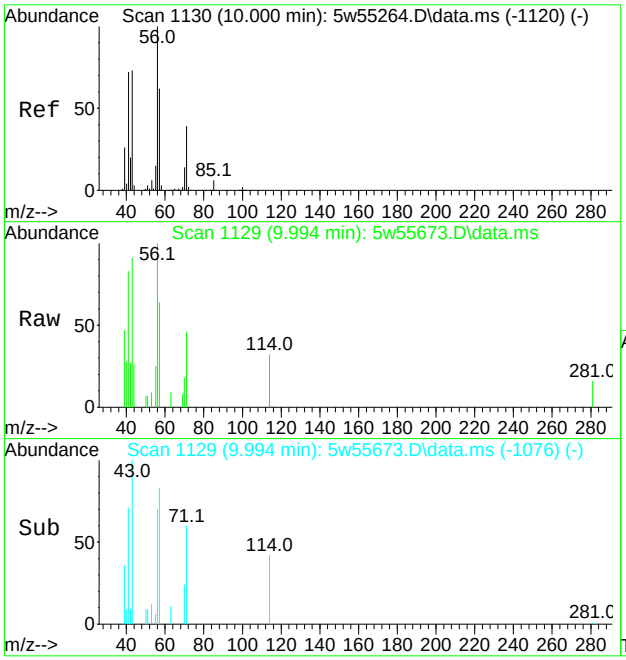



#53
CYCLOHEXANE
Concen: 0.2243 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 84 Resp: 8506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 39.7 | 7.0 | 67.0 |
| 56 | 142.2 | 86.5 | 146.5 |

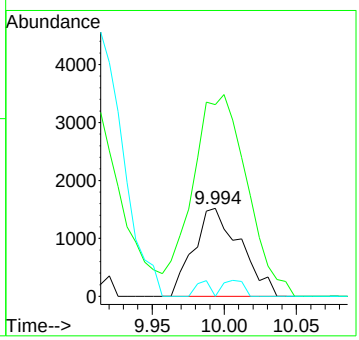


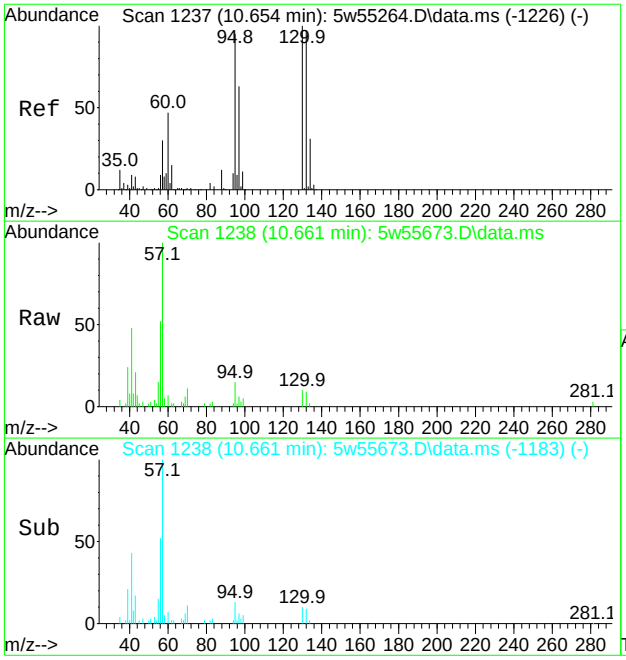




#54
2,3-DIMETHYLPENTANE
Concen: 0.1672 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 71 Resp: 3422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 267.8 | 235.4 | 295.4 |
| 85 | 8.2 | 0.0 | 45.3 |

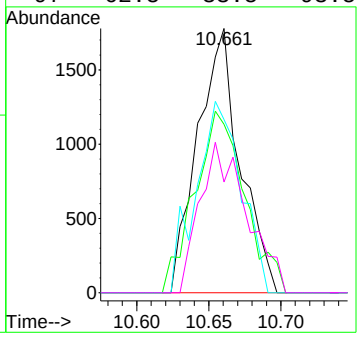


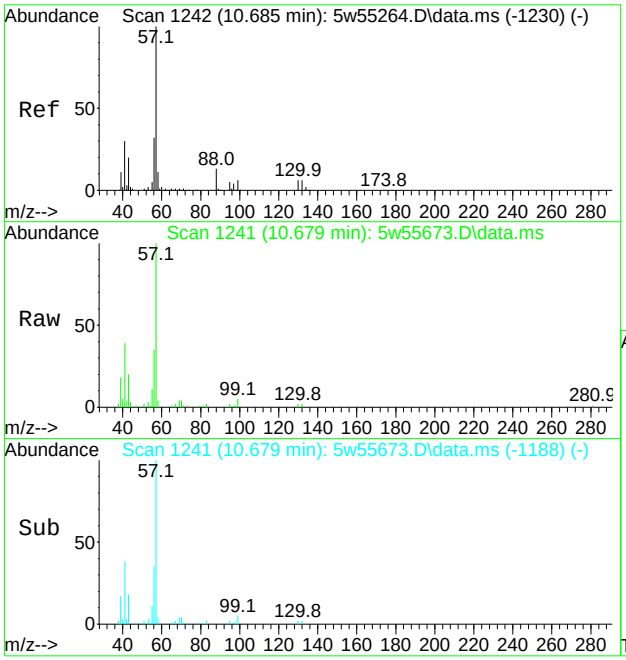



#55
TRICHLOROETHYLENE
Concen: 0.0686 PPBV
RT: 10.661 min Scan# 1238
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 95 Resp: 3652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 80.8 | 60.0 | 120.0 |
| 130 | 76.4 | 64.1 | 124.1 |
| 97 | 62.5 | 33.5 | 93.5 |

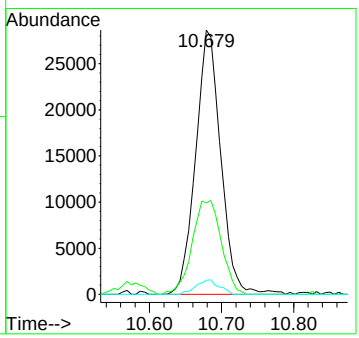


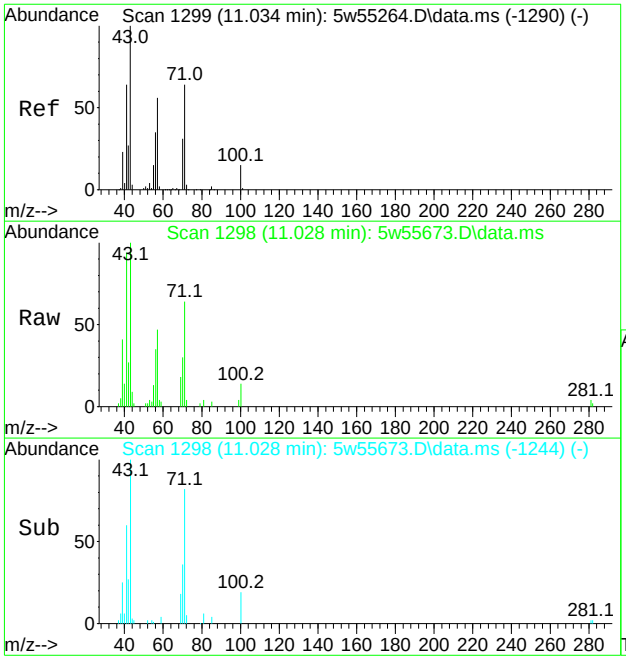




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.4520 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 57 Resp: 69286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.2 | 2.2 | 62.2 |
| 99 | 5.1 | 0.0 | 37.6 |

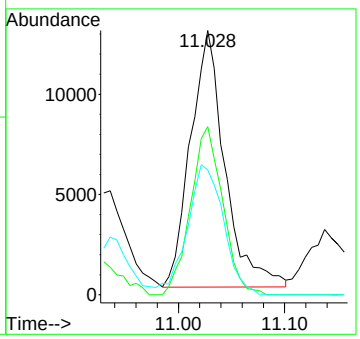


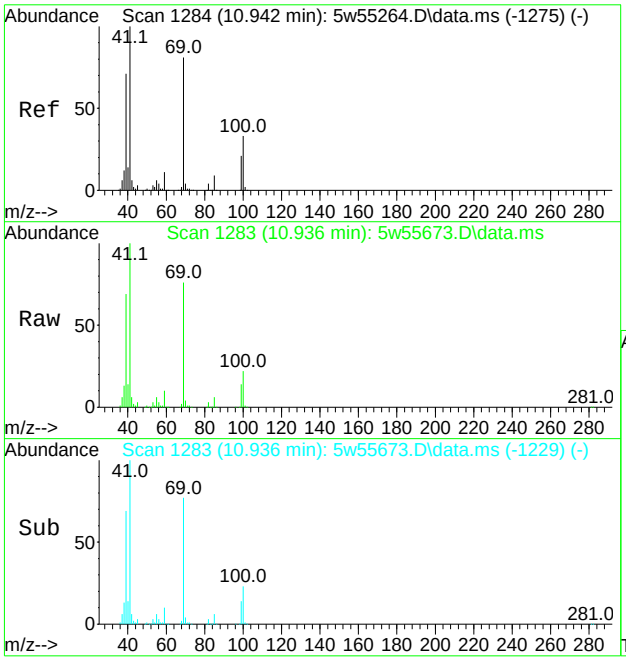



#62
HEPTANE
Concen: 0.5393 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 28874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 61.0 | 27.2 | 87.2 |
| 57 | 53.2 | 22.5 | 82.5 |

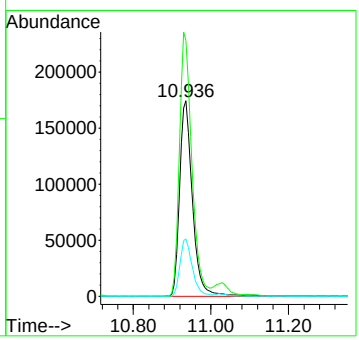


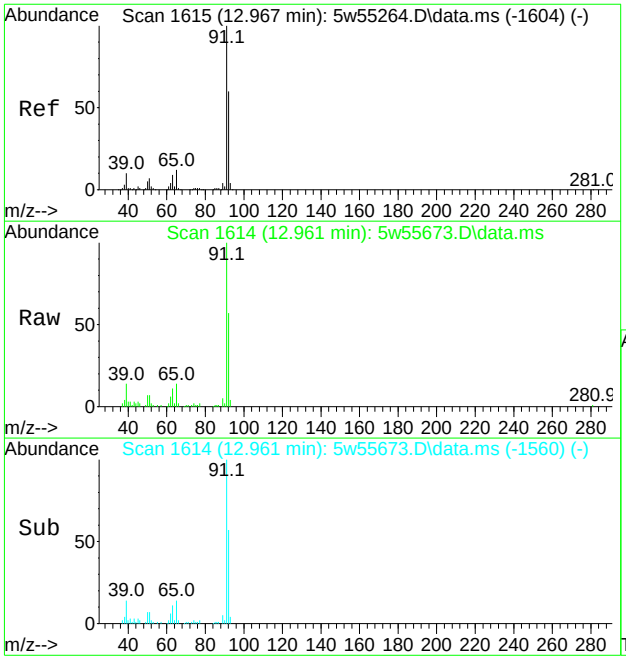




#63
METHYL METHACRYLATE
Concen: 12.1146 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 69 Resp: 406504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 130.0 | 97.3 | 157.3 |
| 100 | 28.1 | 3.0 | 63.0 |

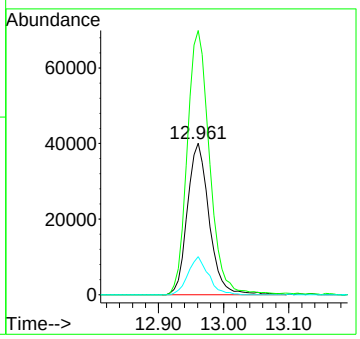


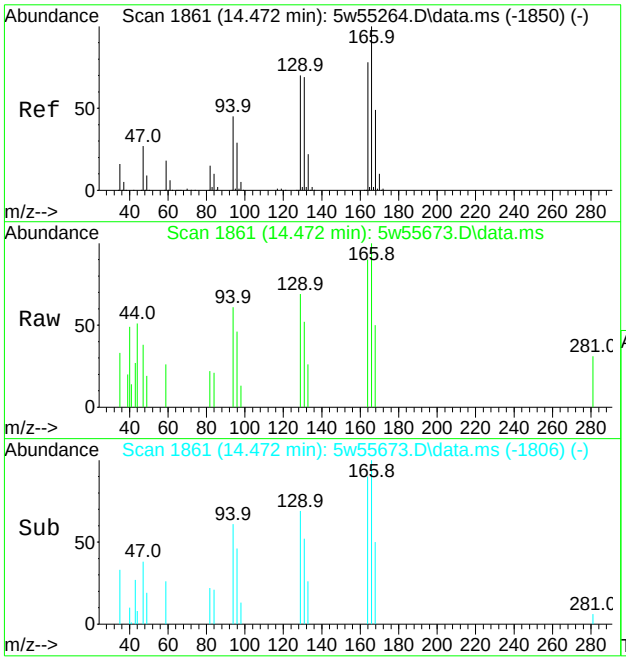



#66
TOLUENE
Concen: 1.3243 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 92 Resp: 93494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 178.1 | 143.4 | 203.4 |
| 65 | 23.6 | 0.0 | 53.8 |

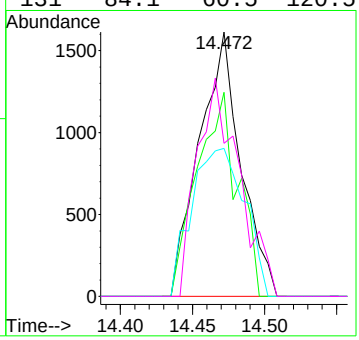


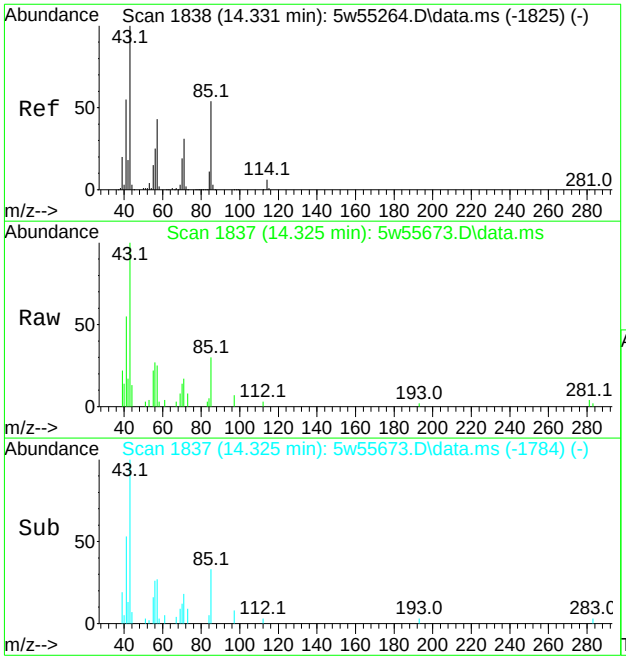




#73
TETRACHLOROETHYLENE
Concen: 0.0578 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:164 Resp: 3242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 76.0 | 64.4 | 124.4 |
| 168 | 71.6 | 31.2 | 91.2 |
| 131 | 84.1 | 60.5 | 120.5 |

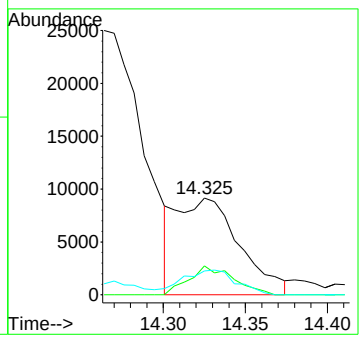


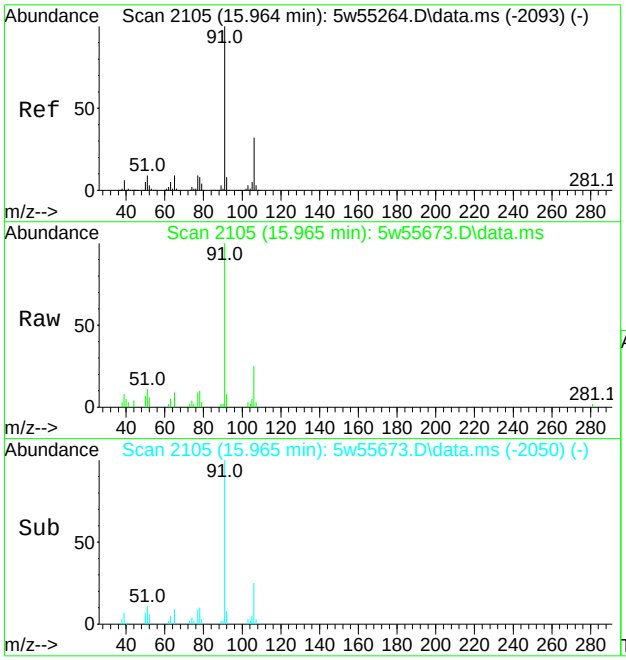



#76
OCTANE
Concen: 0.3234 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 24399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 0.0 | 13.7 | 73.7# |
| 57 | 10.0 | 9.9 | 69.9 |

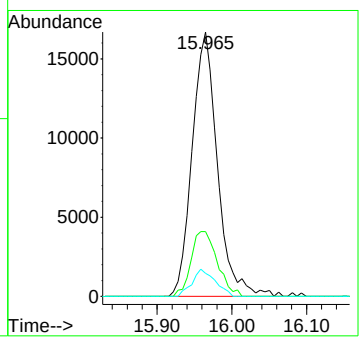


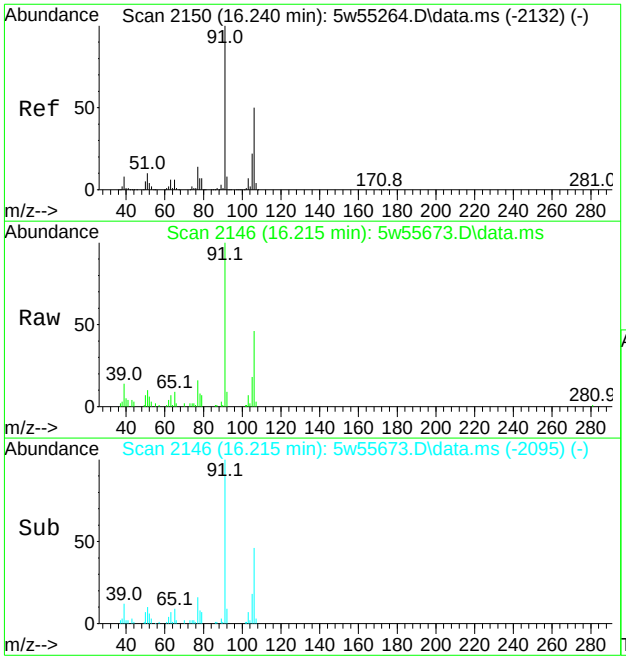




#79
ETHYLBENZENE
Concen: 0.2477 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 91 Resp: 39230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.4 | 0.0 | 59.9 |
| 77 | 9.4 | 0.0 | 39.1 |

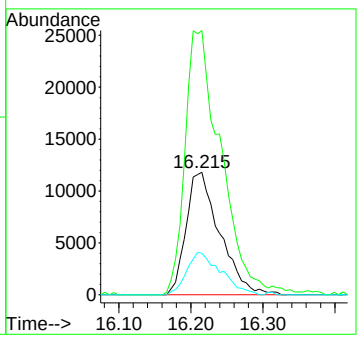


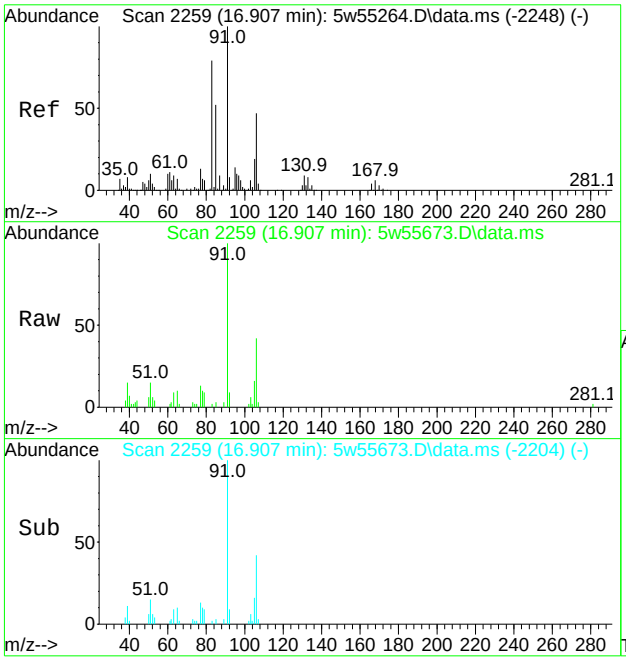



#80
m,p-XYLENE
Concen: 0.6392 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:106 Resp: 38407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.7 | 181.2 | 241.2 |
| 77 | 33.8 | 0.1 | 60.1 |

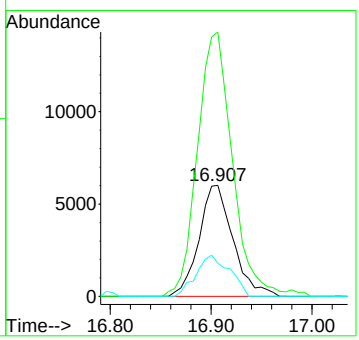


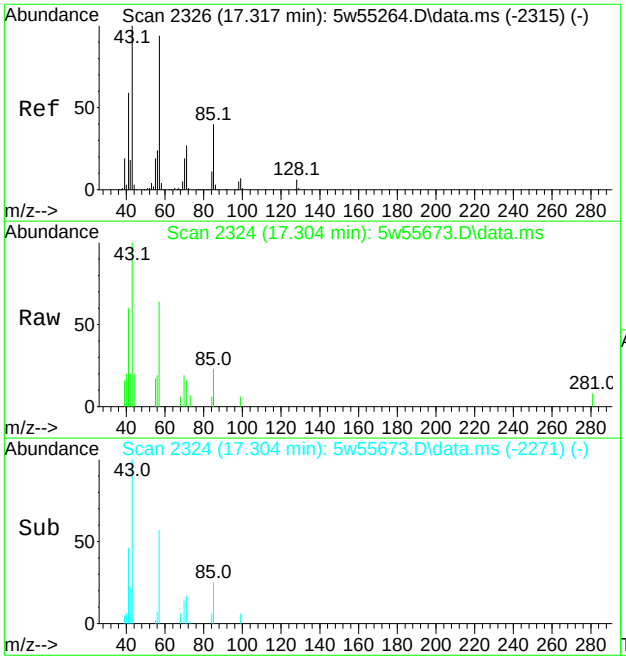




#81
o-XYLENE
Concen: 0.2419 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:106 Resp: 14108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 245.3 | 193.4 | 253.4 |
| 77 | 36.6 | 0.0 | 59.8 |

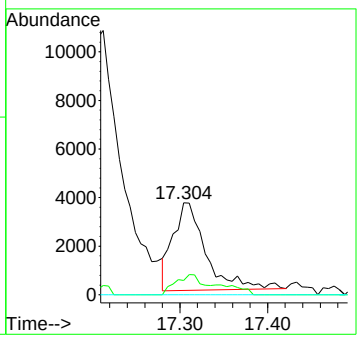


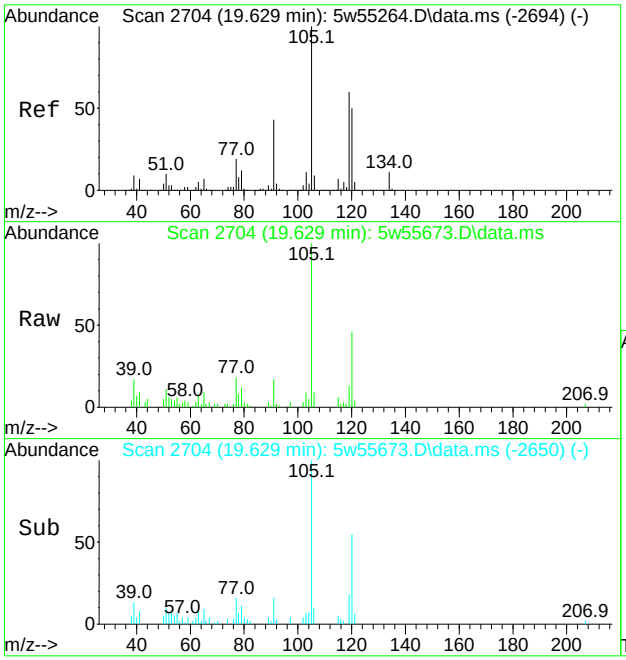



#83
NONANE
Concen: 0.1188 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion: 43 Resp: 9357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 28.2 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

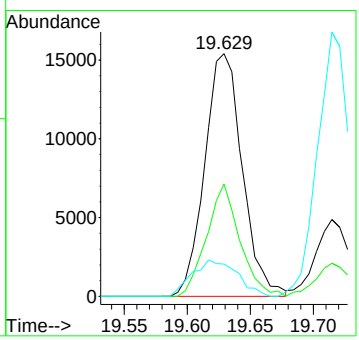


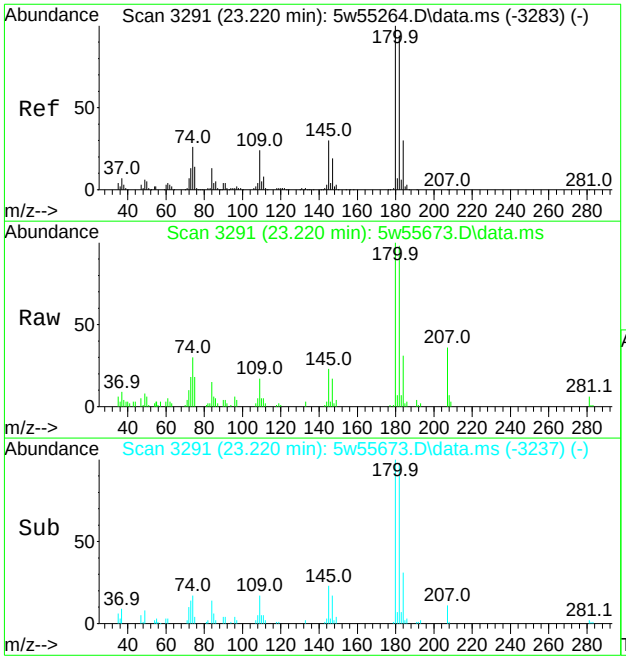




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.2134 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:105 Resp: 31869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.9 | 22.6 | 82.6 |
| 119 | 18.0 | 69.7 | 129.7# |

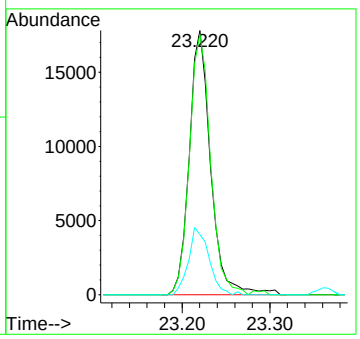


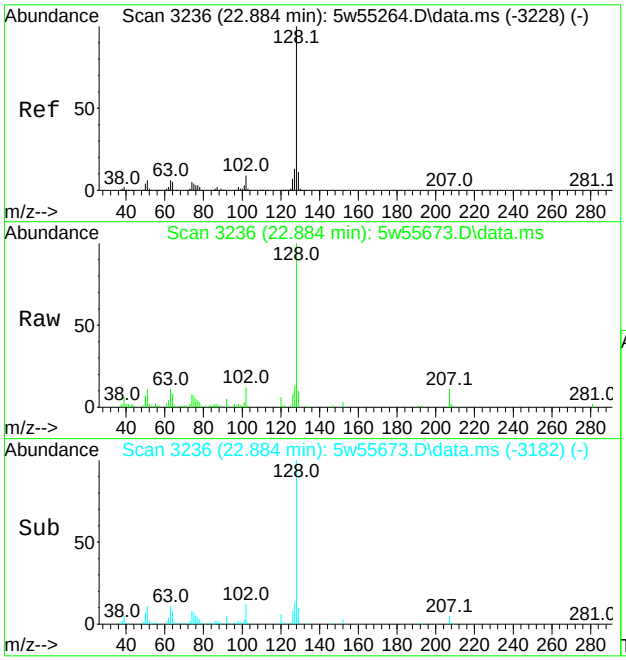



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.3181 PPBV
RT: 23.220 min Scan# 3291
Delta R.T. 0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:180 Resp: 30260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.2 | 66.4 | 126.4 |
| 145 | 24.4 | 0.2 | 60.2 |

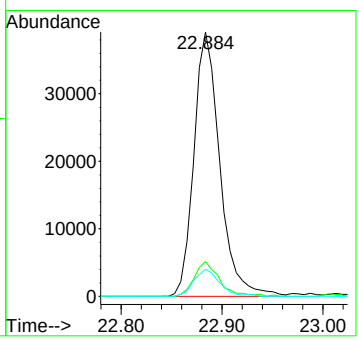



#108
NAPHTHALENE
Concen: 0.3348 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55673.D
Acq: 16 Dec 2024 8:57 pm

Tgt Ion:128 Resp: 69916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 0.0 | 43.1 |
| 129 | 10.3 | 0.0 | 41.1 |



# Manual Integration Approval Summary



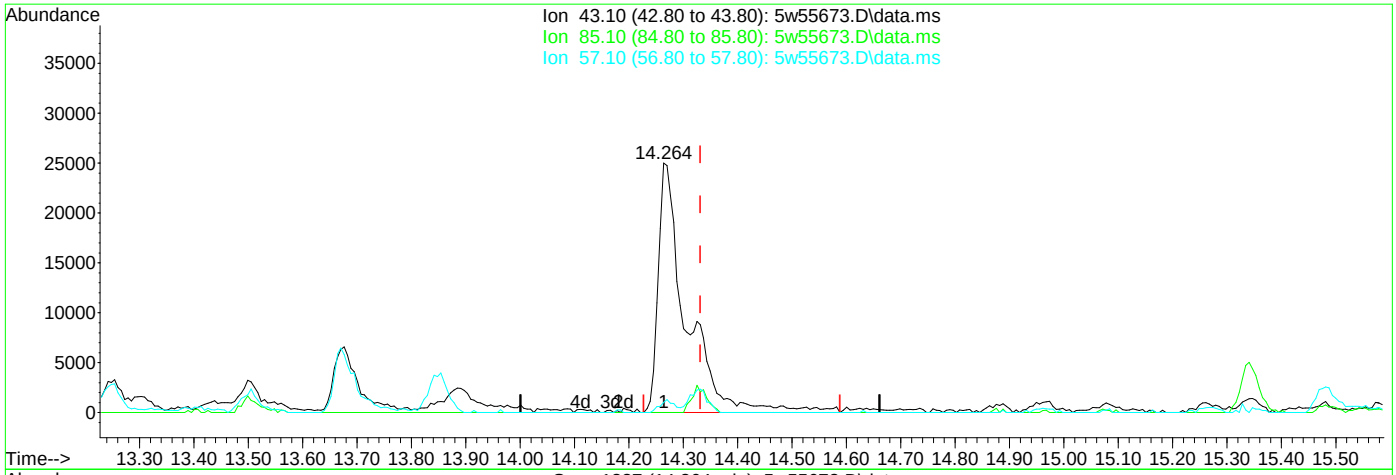
| | | | |
|---|---|---|---|
| **Sample Number:** | JE2487-2 | **Method:** | TO-15 |
| **Lab FileID:** | 5W55673.D | **Analyst approved:** | 12/17/24 19:19 Kristel Valladolid |
| **Injection Time:** | 12/16/24 20:57 | **Supervisor approved:** | 12/18/24 22:00 Kanya Veerawat |

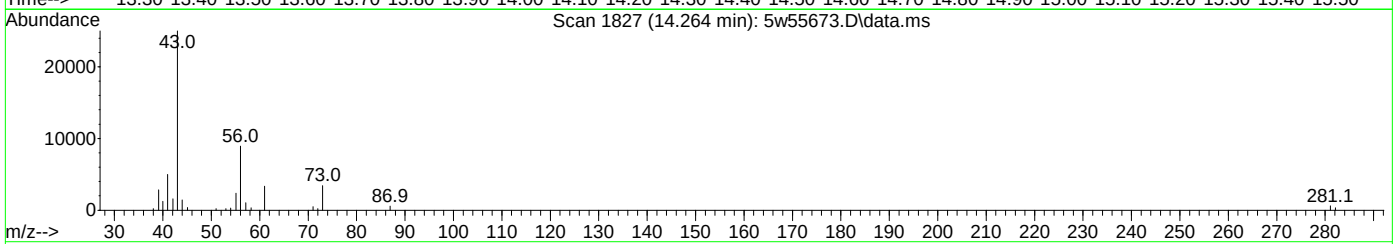
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Octane | 111-65-9 | | 14.33 | Overlapping peak |

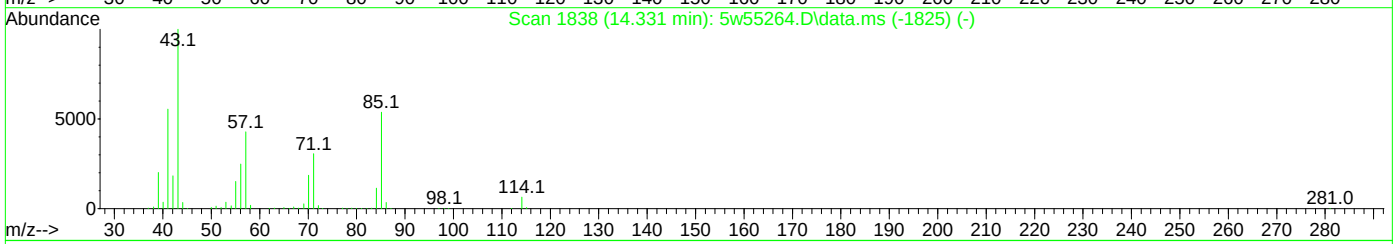
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55673.D
Acq On : 16 Dec 2024 8:57 pm
Operator : thomash
Sample : scc(a343),cp12944 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 17 11:44:57 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55673.D\data.ms

(76) OCTANE

14.264min (-0.067) 1.20PPBV

response 90212

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 85.10 | 43.70 | 0.00# |
| 57.10 | 39.90 | 2.71# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55724.D
Acq On : 18 Dec 2024 2:59 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2133,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 00:26:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

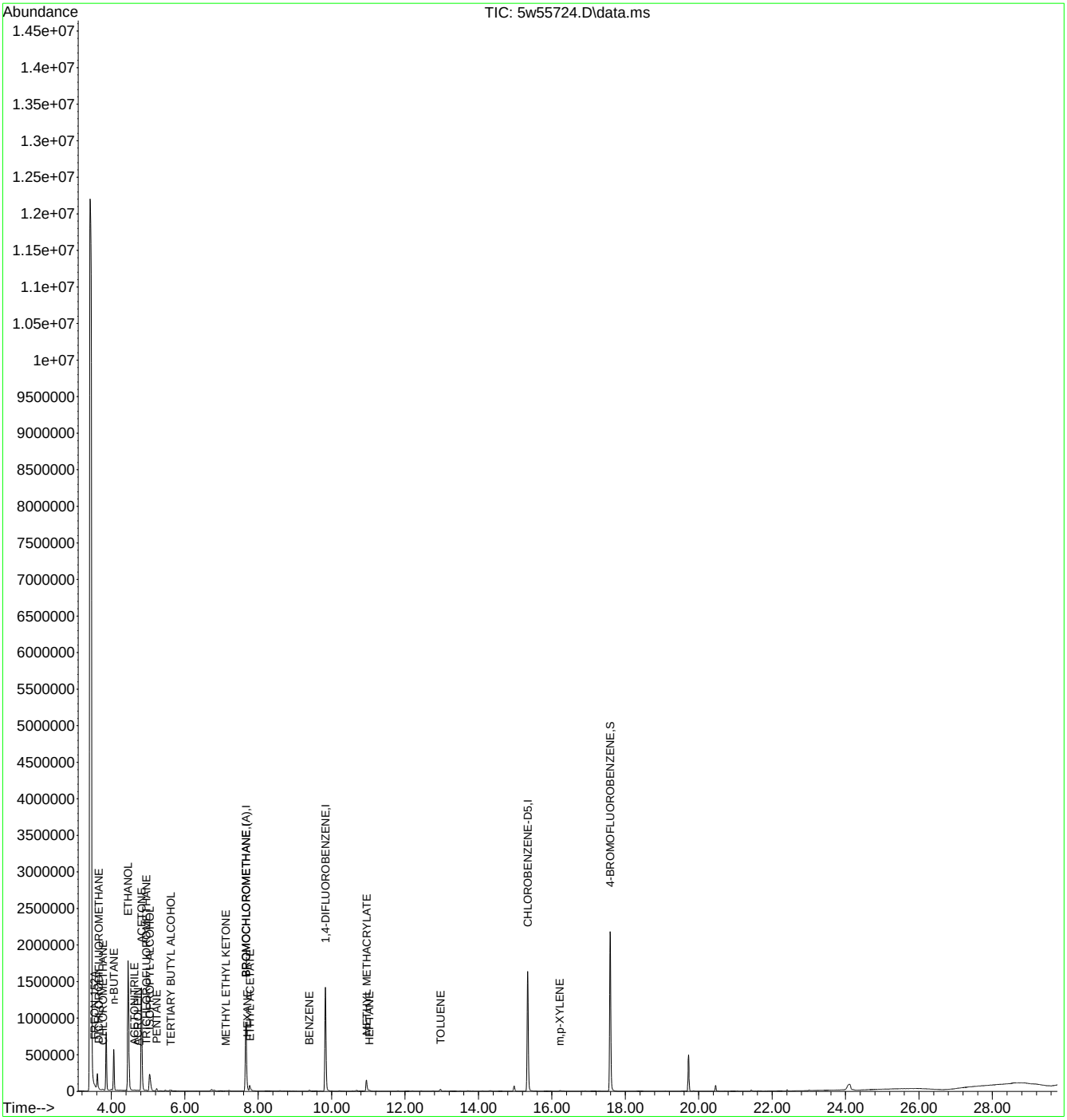
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 245099 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1200195 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 651740 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 245099 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 799365 | 10.96 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 3788 | 0.2089 | PPBV | # 43 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12089 | 0.1350 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 1726 | 0.1494 | PPBV | # 50 |
| 13) n-BUTANE | 4.066 | 43 | 477495 | 9.1191 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 5053 | 0.1671 | PPBV | # 89 |
| 18) ACROLEIN | 4.714 | 56 | 2563 | 0.1941 | PPBV | # 60 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 8326 | 0.1006 | PPBV | 95 |
| 22) ISOPROPYL ALCOHOL | 5.044 | 45 | 423278 | 8.0709 | PPBV | 95 |
| 23) ACETONE | 4.818 | 58 | 482987 | 24.4326 | PPBV | # 78 |
| 24) PENTANE | 5.234 | 42 | 14749 | 0.5661 | PPBV | 96 |
| 28) ETHANOL | 4.457 | 45 | 2337853 | 121.6303 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 11638 | 0.2359 | PPBV | 54 |
| 38) HEXANE | 7.700 | 57 | 9357 | 0.2437 | PPBV | 83 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 1789 | 0.1683 | PPBV | # 79 |
| 44) ETHYL ACETATE | 7.773 | 61 | 14802 | 1.8873 | PPBV | # 72 |
| 52) BENZENE | 9.394 | 78 | 16019 | 0.1841 | PPBV | 98 |
| 62) HEPTANE | 11.028 | 43 | 5764 | 0.1249 | PPBV | 90 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 74272 | 2.5682 | PPBV | 81 |
| 66) TOLUENE | 12.967 | 92 | 14009 | 0.2302 | PPBV | 95 |
| 80) m,p-XYLENE | 16.209 | 106 | 5033 | 0.1104 | PPBV | 91 |

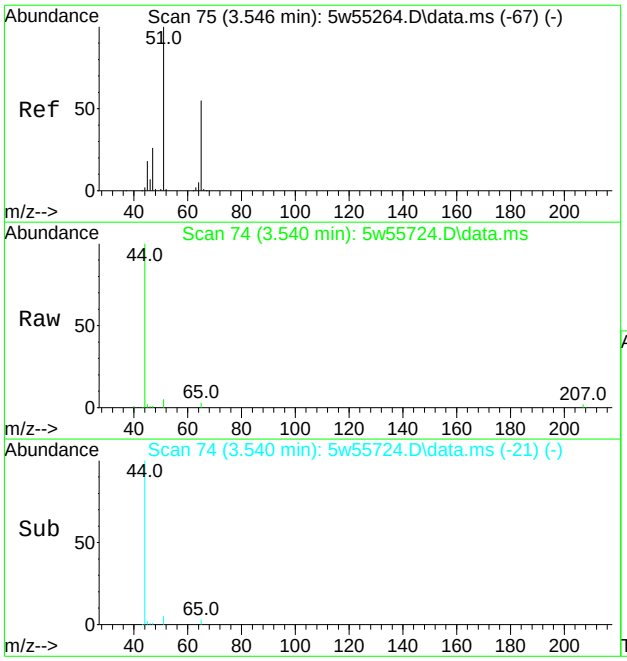
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55724.D
Acq On : 18 Dec 2024 2:59 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2133,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 19 00:26:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

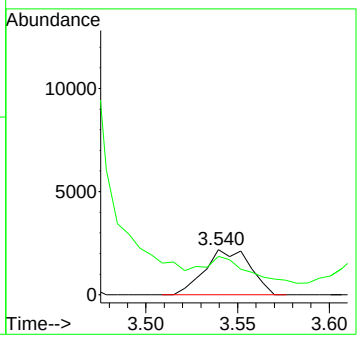


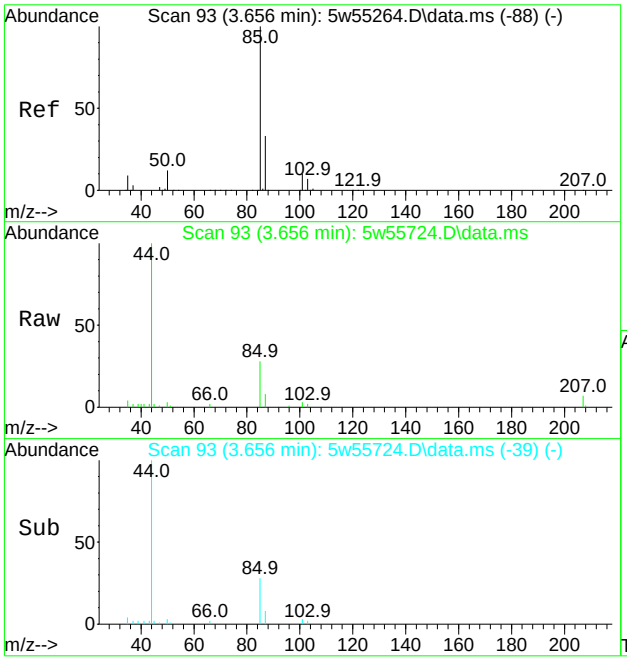



#3
FREON 152A
Concen: 0.2089 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 65 Resp: 3788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

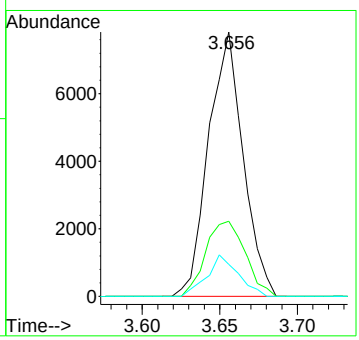


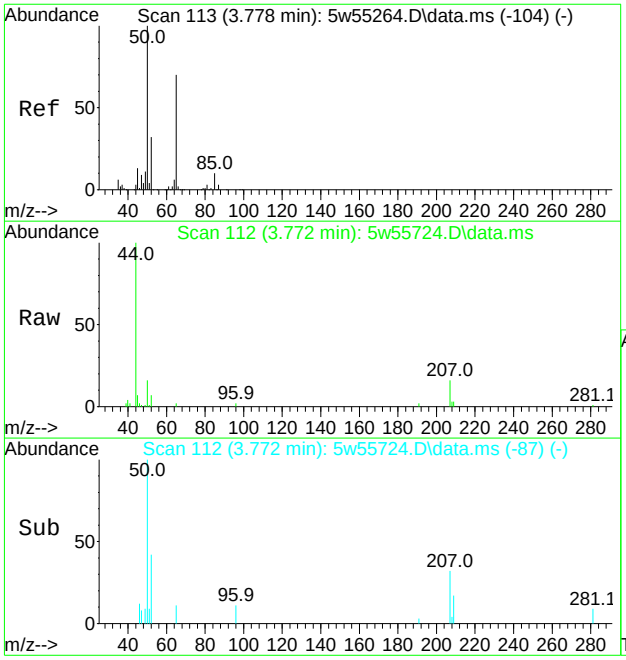




#6
DICHLORODIFLUOROMETHANE
Concen: 0.1350 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 85 Resp: 12089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 2.6 | 62.6 |
| 50 | 14.2 | 0.0 | 43.0 |

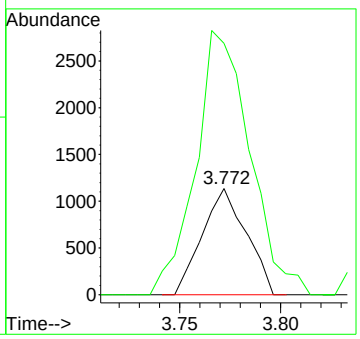


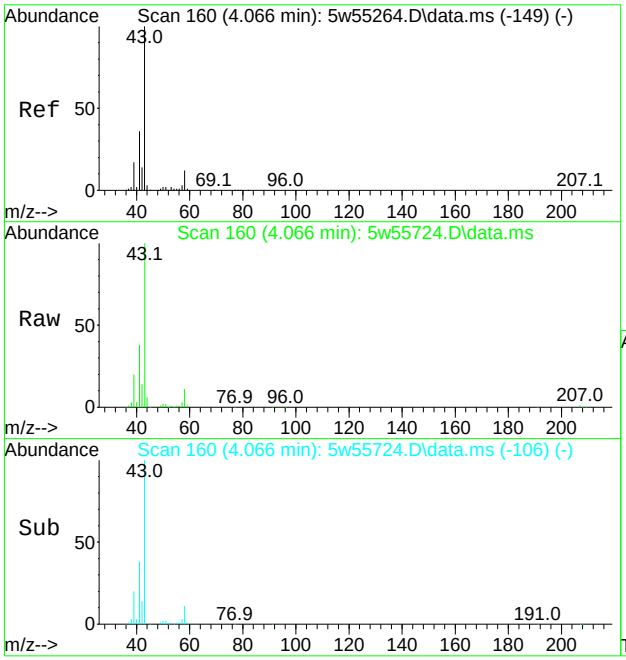



#10
CHLOROMETHANE
Concen: 0.1494 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 52 Resp: 1726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 215.8 | 287.9 | 347.9# |

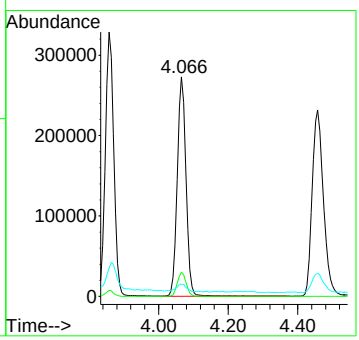


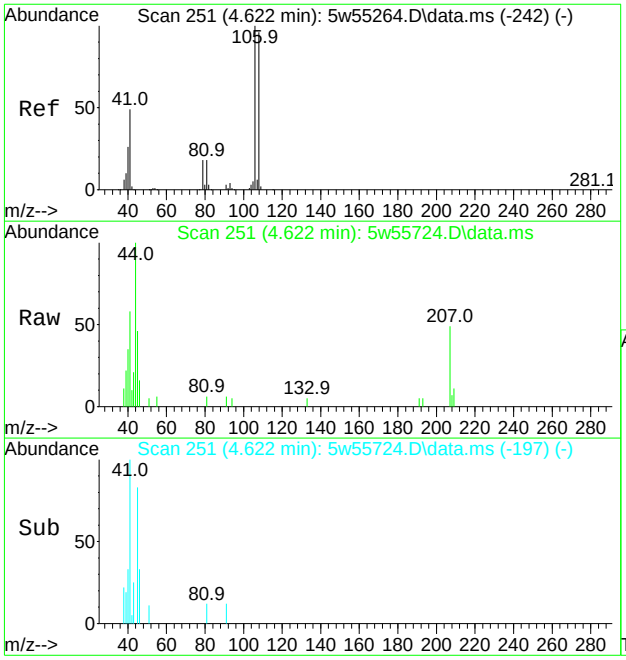




#13
n-BUTANE
Concen: 9.1191 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 43 Resp: 477495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 0.0 | 41.6 |
| 44 | 4.9 | 0.0 | 34.7 |

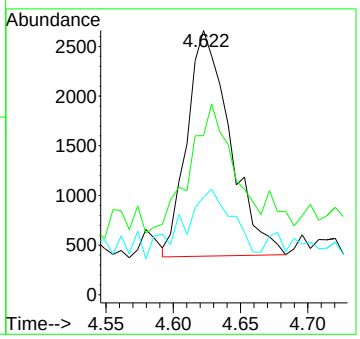


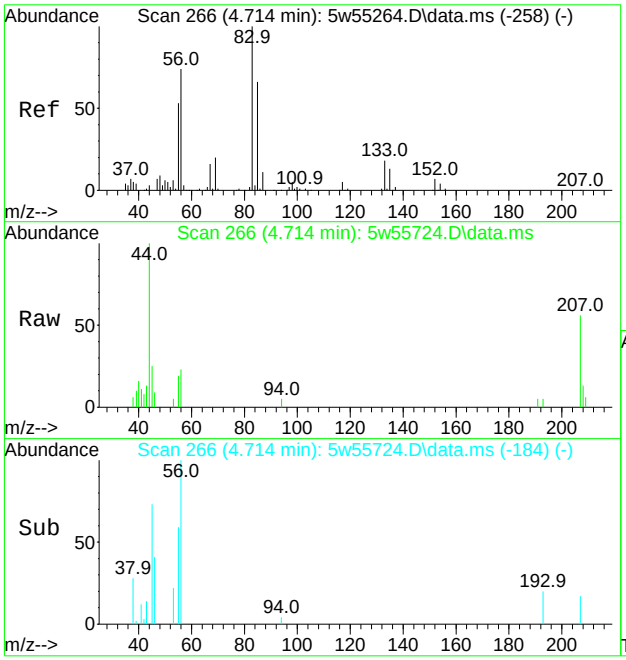



#17
ACETONITRILE
Concen: 0.1671 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 41 Resp: 5053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 58.8 | 38.4 | 71.4 |
| 39 | 31.1 | 13.7 | 25.5# |

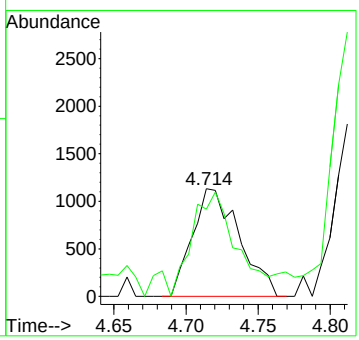


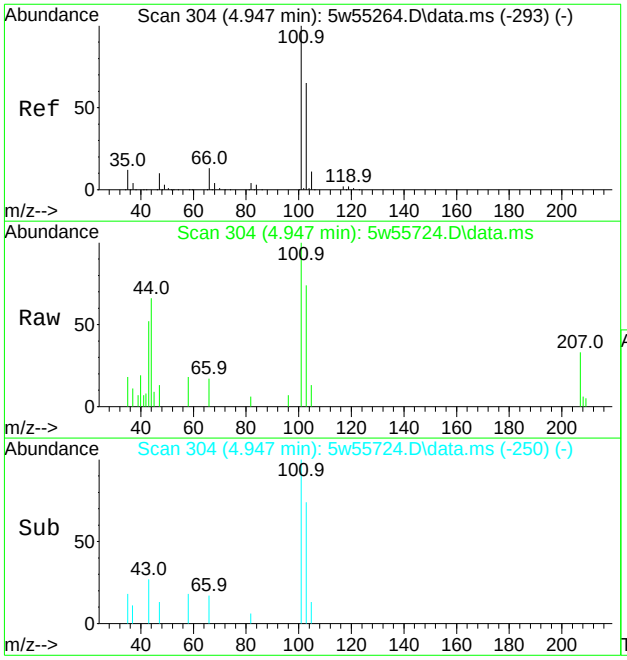




#18
ACROLEIN
Concen: 0.1941 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 56 Resp: 2563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 104.6 | 49.8 | 92.6# |

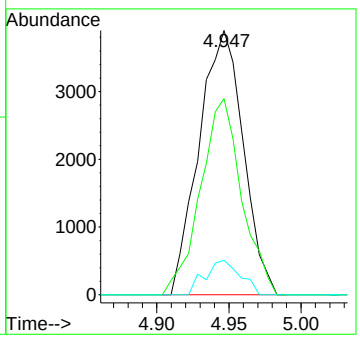


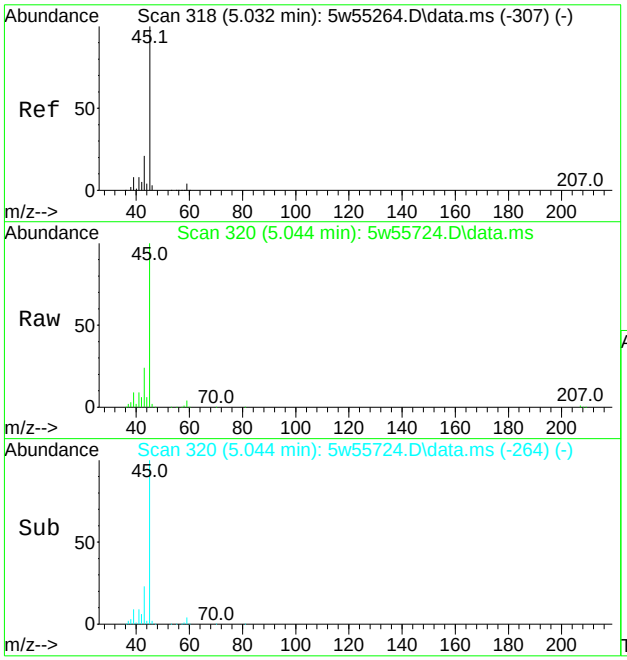



#21
TRICHLOROFLUOROMETHANE
Concen: 0.1006 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion:101 Resp: 8326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 69.0 | 34.7 | 94.7 |
| 105 | 10.4 | 0.0 | 40.5 |

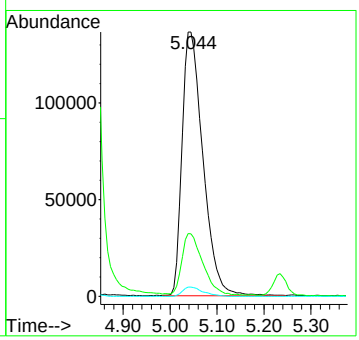


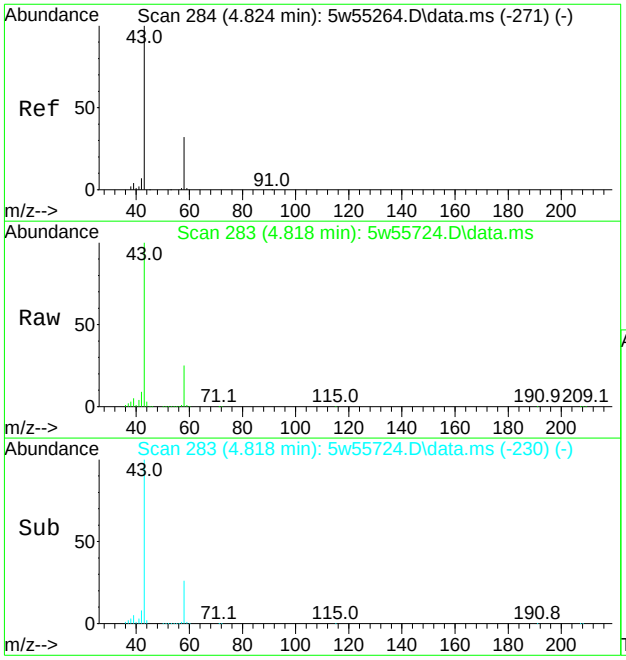




#22
ISOPROPYL ALCOHOL
Concen: 8.0709 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 45 Resp: 423278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 23.7 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

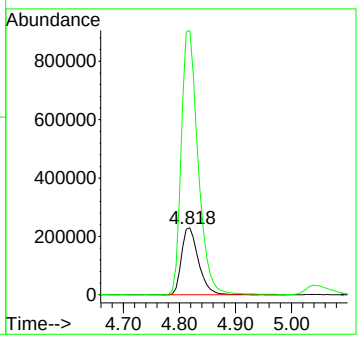


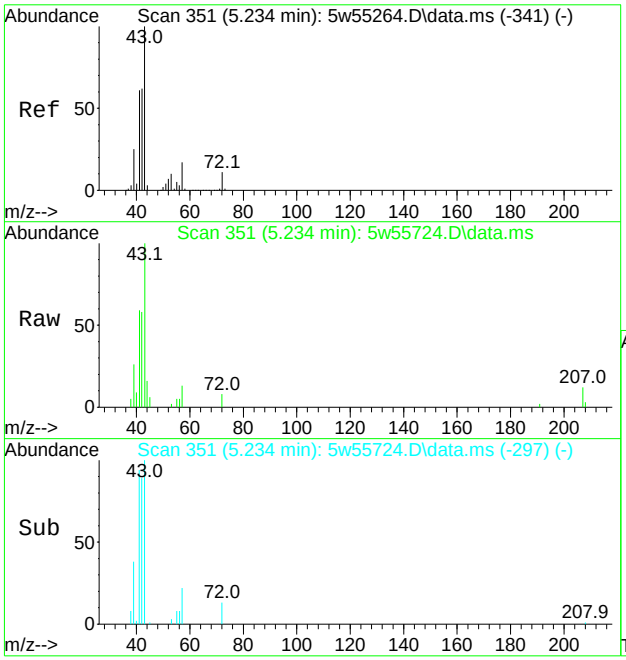



#23
ACETONE
Concen: 24.4326 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 58 Resp: 482987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 390.2 | 312.3 | 372.3# |

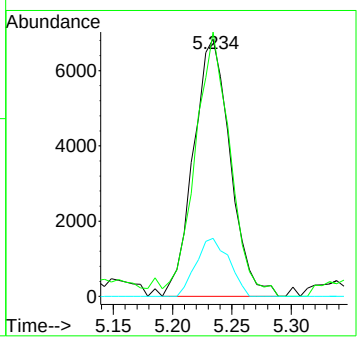


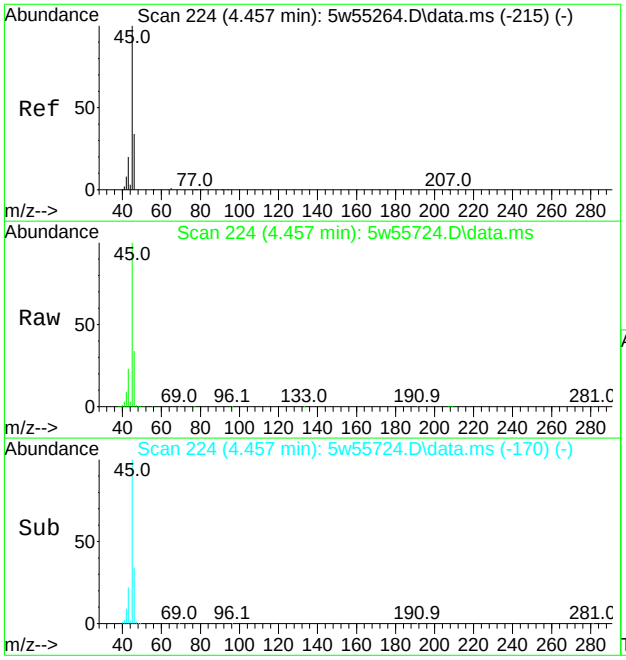




#24
PENTANE
Concen: 0.5661 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 42 Resp: 14749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 97.3 | 64.4 | 124.4 |
| 57 | 20.2 | 0.0 | 55.0 |

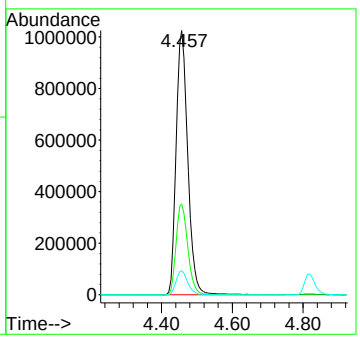


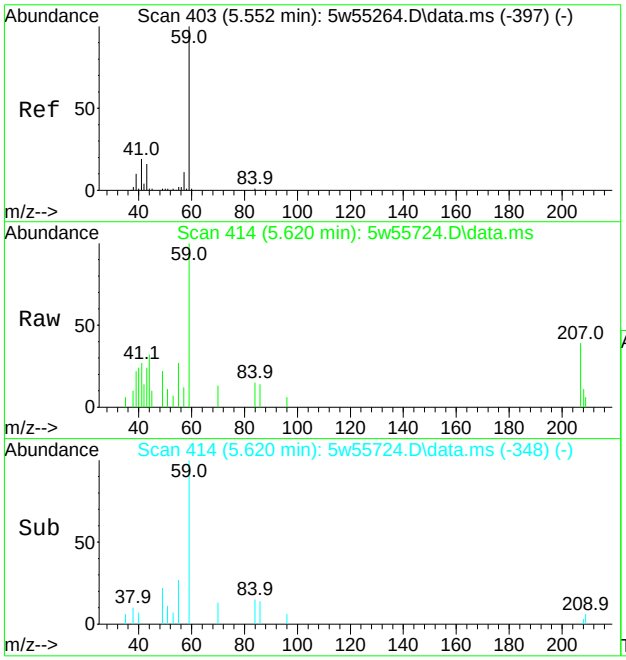



#28
ETHANOL
Concen: 121.6303 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 45 Resp: 2337853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.8 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

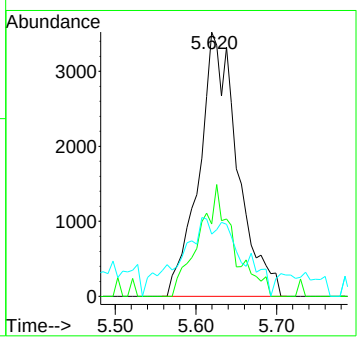


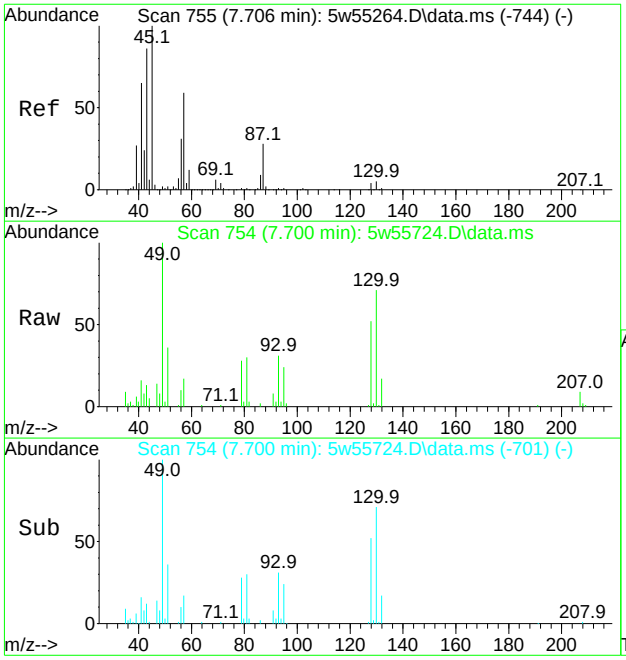




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2359 PPBV
RT: 5.620 min Scan# 414
Delta R.T. 0.073 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 59 Resp: 11638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 38.1 | 0.0 | 53.1 |
| 43 | 46.2 | 0.0 | 47.1 |

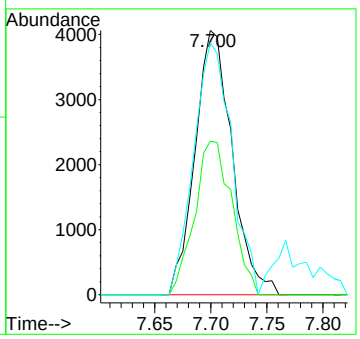


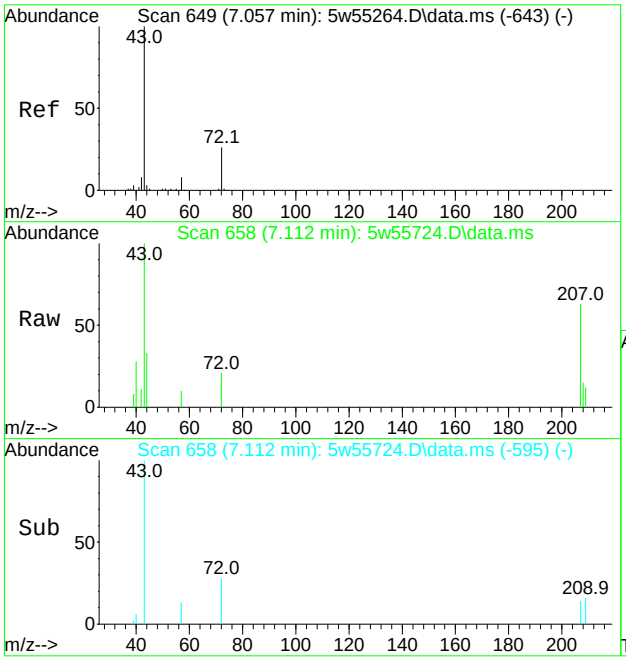



#38
HEXANE
Concen: 0.2437 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 57 Resp: 9357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.3 | 24.2 | 84.2 |
| 41 | 97.6 | 92.1 | 152.1 |

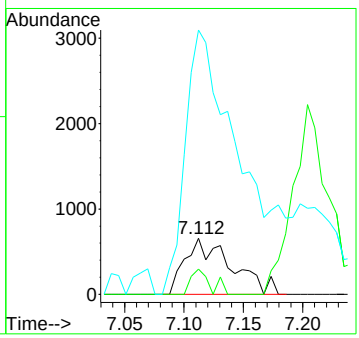


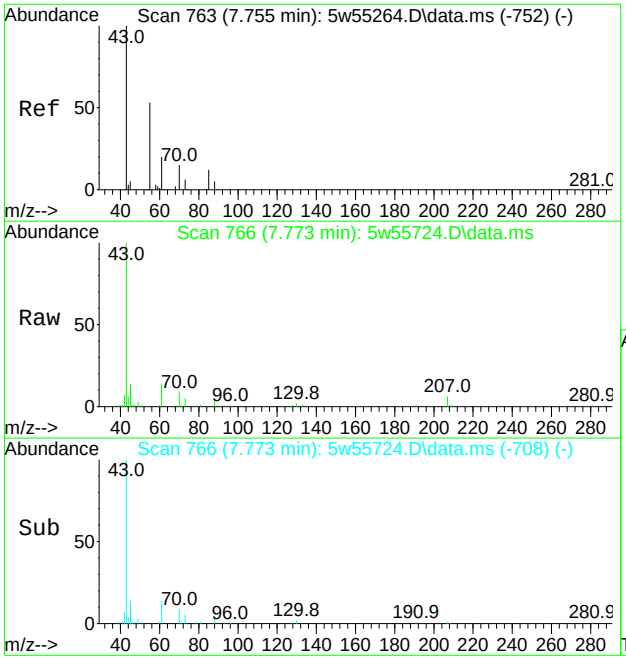




#41
METHYL ETHYL KETONE
Concen: 0.1683 PPBV
RT: 7.112 min Scan# 658
Delta R.T. 0.055 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 72 Resp: 1789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 45.0 | 1.1 | 61.1 |
| 43 | 470.8 | 390.6 | 450.6# |

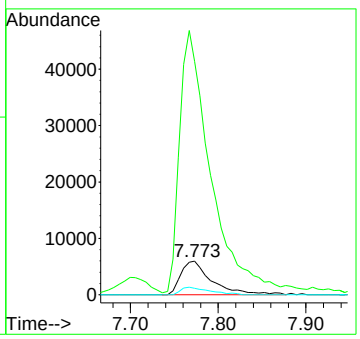


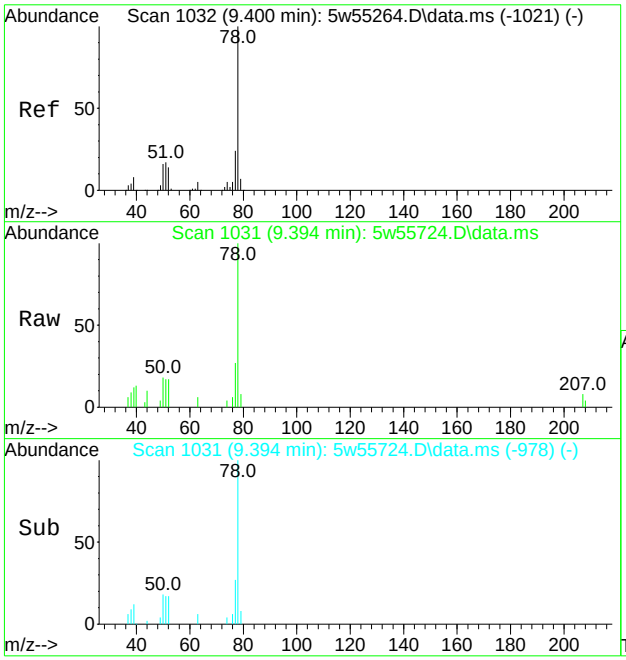



#44
ETHYL ACETATE
Concen: 1.8873 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 61 Resp: 14802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 796.8 | 0.0 | 30.0# |
| 88 | 20.7 | 7.3 | 67.3 |

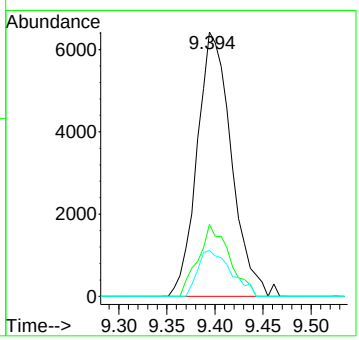


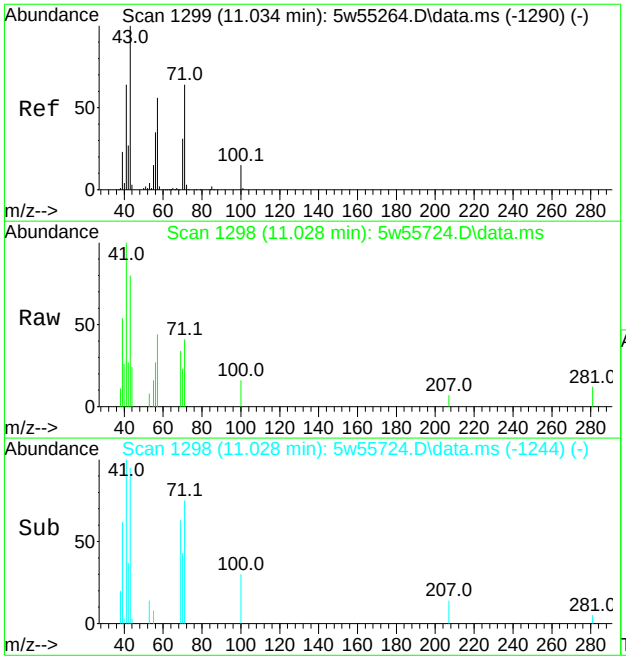




#52
BENZENE
Concen: 0.1841 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 78 Resp: 16019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.8 | 0.0 | 54.0 |
| 52 | 16.7 | 0.0 | 45.6 |

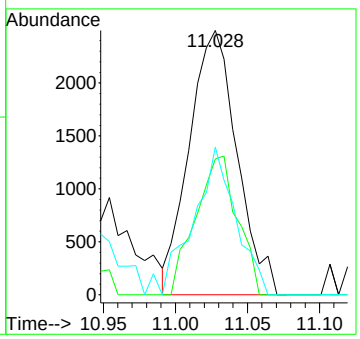


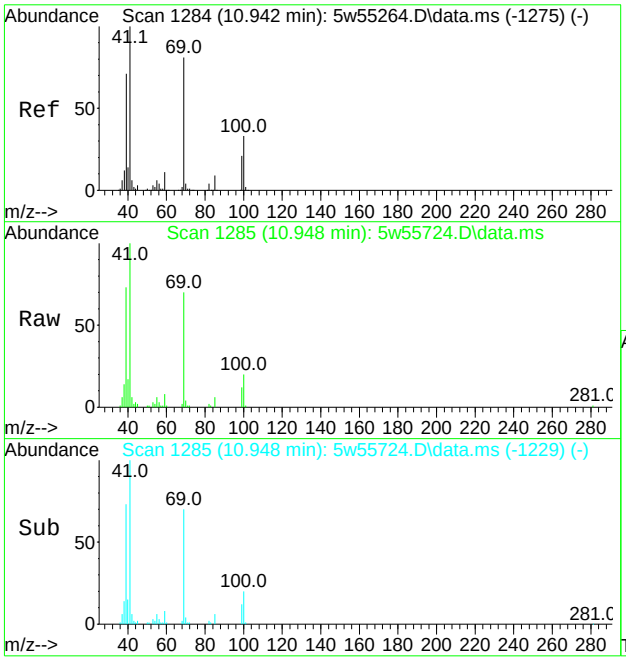



#62
HEPTANE
Concen: 0.1249 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 43 Resp: 5764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 46.1 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

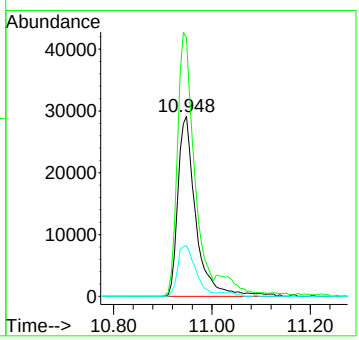


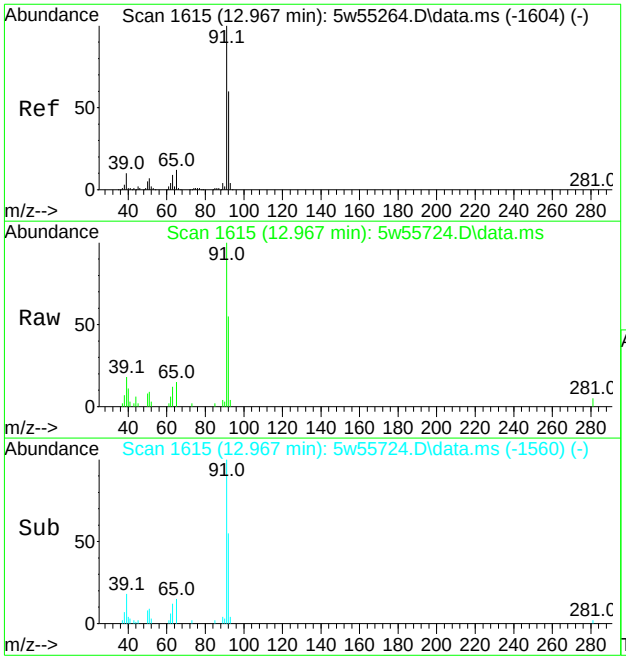




#63
METHYL METHACRYLATE
Concen: 2.5682 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 69 Resp: 74272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 153.4 | 97.3 | 157.3 |
| 100 | 30.5 | 3.0 | 63.0 |

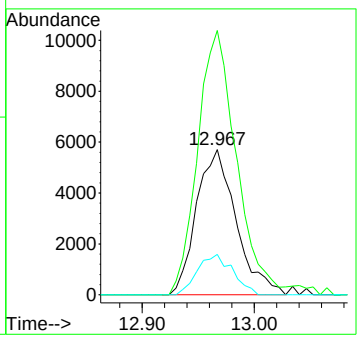


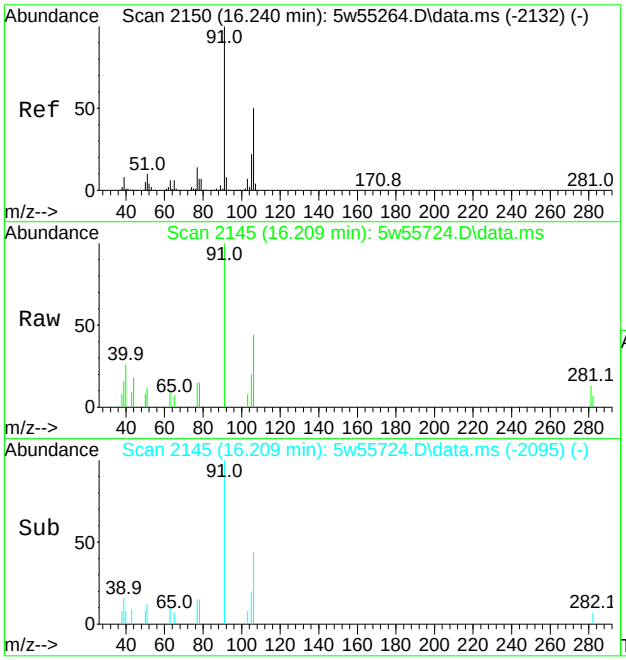



#66
TOLUENE
Concen: 0.2302 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion: 92 Resp: 14009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.5 | 143.4 | 203.4 |
| 65 | 24.7 | 0.0 | 53.8 |

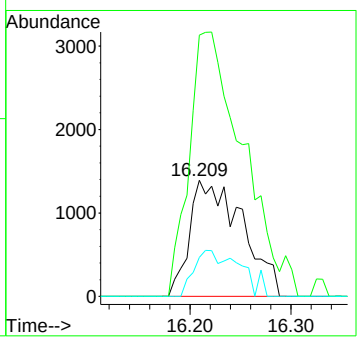



#80
m,p-XYLENE
Concen: 0.1104 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55724.D
Acq: 18 Dec 2024 2:59 pm

Tgt Ion:106 Resp: 5033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.0 | 181.2 | 241.2 |
| 77 | 33.6 | 0.1 | 60.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55769.D
Acq On : 20 Dec 2024 4:55 am
Operator : thomash
Sample : je2487-3 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 17:14:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

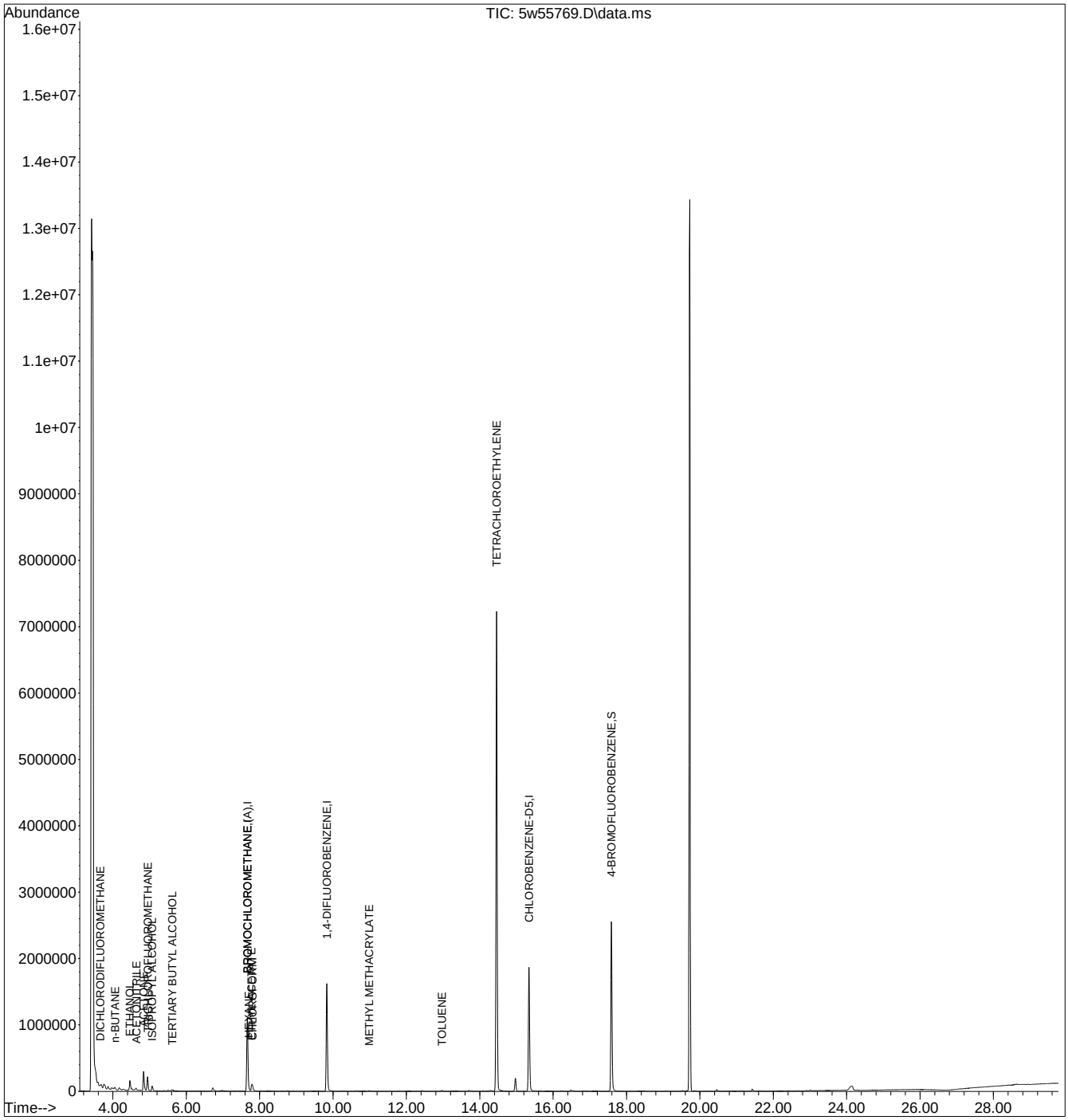
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 291529 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1382771 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 744927 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 291529 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 917294 | 11.00 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 15191 | 0.1426 | PPBV | 88 |
| 13) n-BUTANE | 4.059 | 43 | 7010 | 0.1126 | PPBV # | 94 |
| 17) ACETONITRILE | 4.635 | 41 | 7267 | 0.2020 | PPBV | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 171748 | 1.7445 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.069 | 45 | 111217 | 1.7829 | PPBV | 93 |
| 23) ACETONE | 4.836 | 58 | 99409 | 4.2278 | PPBV # | 83 |
| 28) ETHANOL | 4.463 | 45 | 181581 | 7.9425 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 14579 | 0.2484 | PPBV | 79 |
| 38) HEXANE | 7.700 | 57 | 5644 | 0.1236 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.779 | 61 | 17270 | 1.8513 | PPBV # | 74 |
| 46) CHLOROFORM | 7.804 | 83 | 38727 | 0.5175 | PPBV | 96 |
| 63) METHYL METHACRYLATE | 10.979 | 69 | 6386 | 0.1917 | PPBV # | 74 |
| 66) TOLUENE | 12.967 | 92 | 8276 | 0.1181 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 1863187 | 38.2926 | PPBV | 84 |

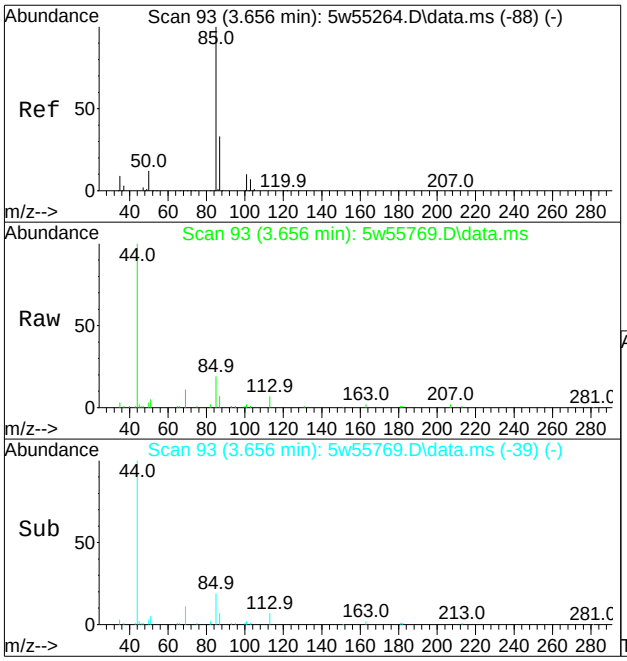
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55769.D
Acq On : 20 Dec 2024 4:55 am
Operator : thomash
Sample : je2487-3 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 17:14:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

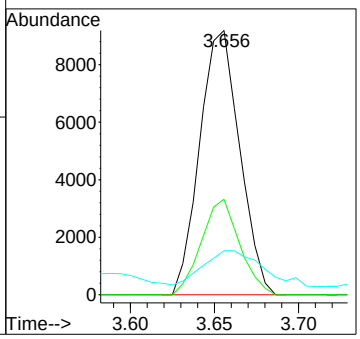


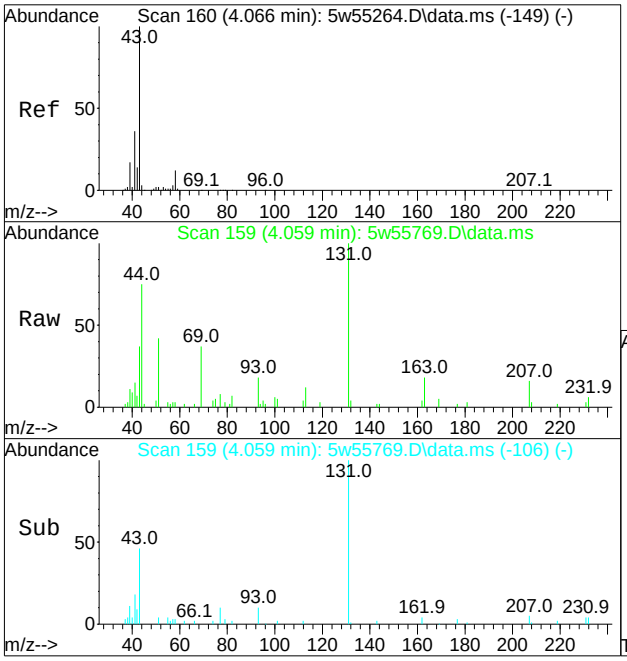



#6
DICHLORODIFLUOROMETHANE
Concen: 0.1426 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 85 Resp: 15191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.6 | 2.6 | 62.6 |
| 50 | 26.1 | 0.0 | 43.0 |

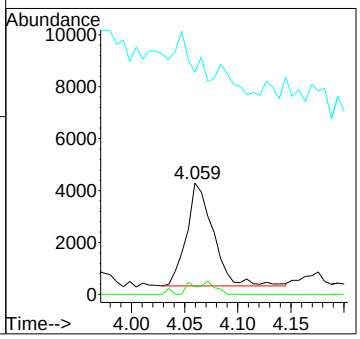


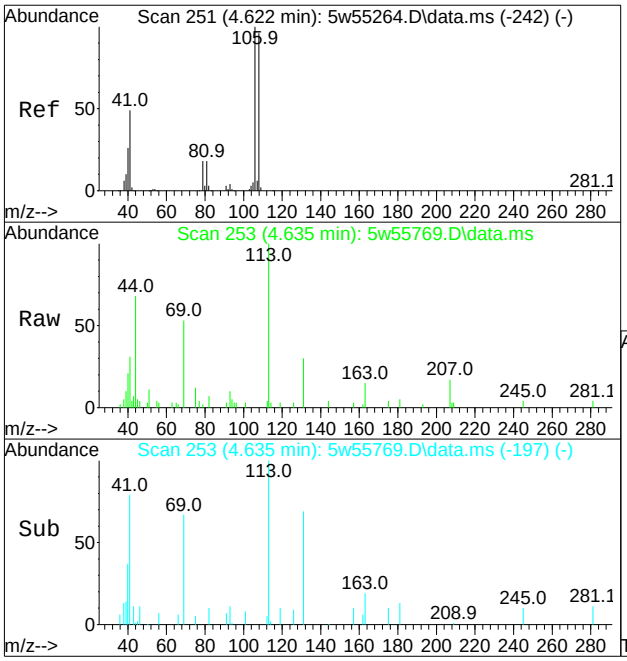




#13
n-BUTANE
Concen: 0.1126 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 43 Resp: 7010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

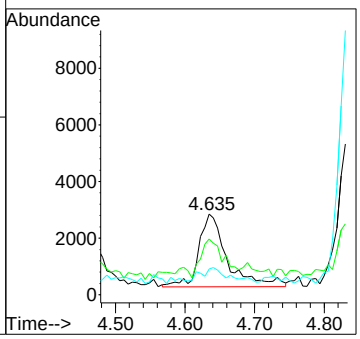


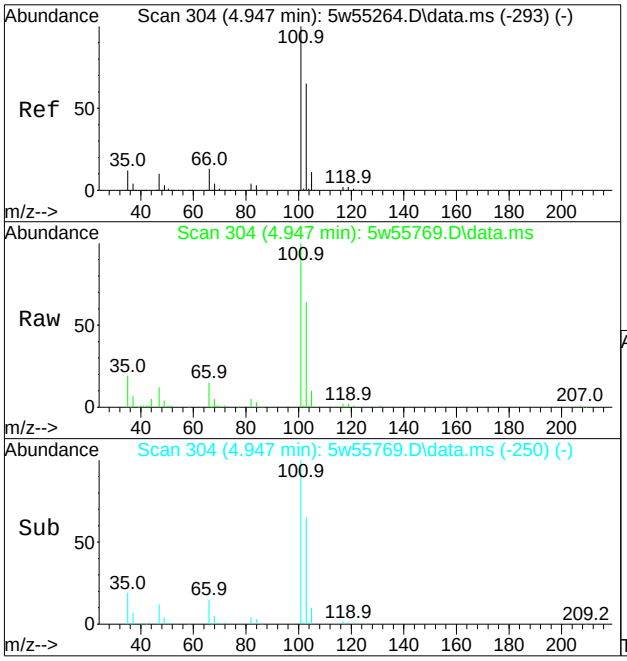



#17
ACETONITRILE
Concen: 0.2020 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 41 Resp: 7267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 55.2 | 38.4 | 71.4 |
| 39 | 22.4 | 13.7 | 25.5 |

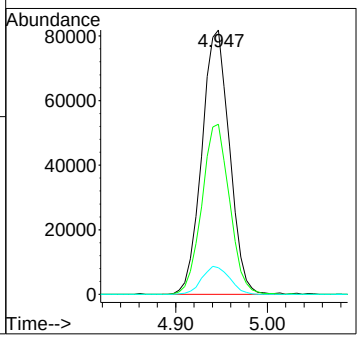


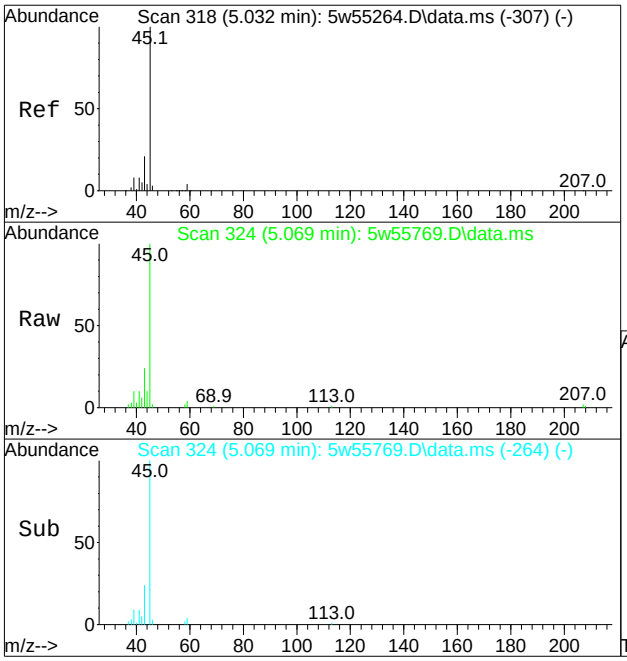




#21
TRICHLOROFLUOROMETHANE
Concen: 1.7445 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion:101 Resp: 171748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 34.7 | 94.7 |
| 105 | 10.7 | 0.0 | 40.5 |

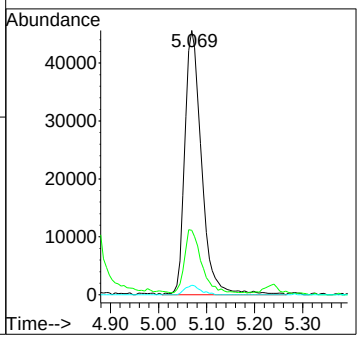


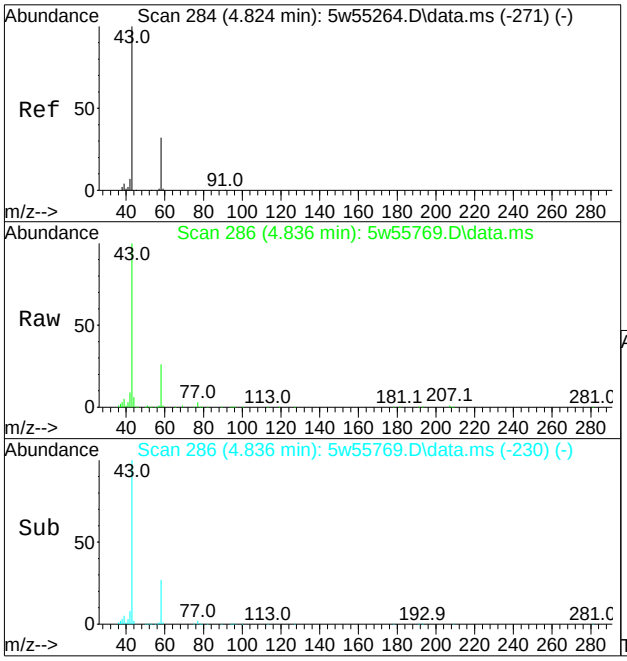



#22
ISOPROPYL ALCOHOL
Concen: 1.7829 PPBV
RT: 5.069 min Scan# 324
Delta R.T. 0.037 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 45 Resp: 111217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 24.4 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

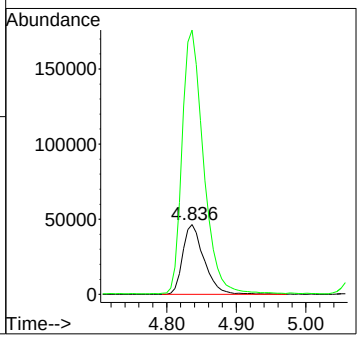


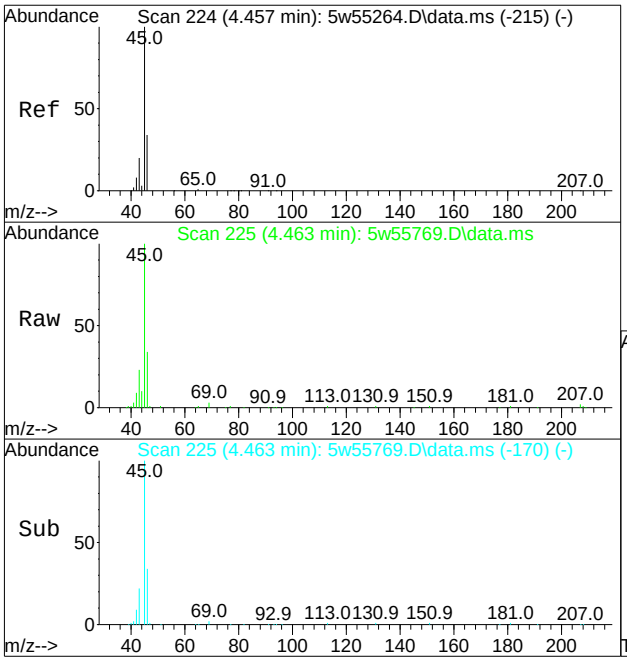




#23
ACETONE
Concen: 4.2278 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 58 Resp: 99409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 378.8 | 312.3 | 372.3# |

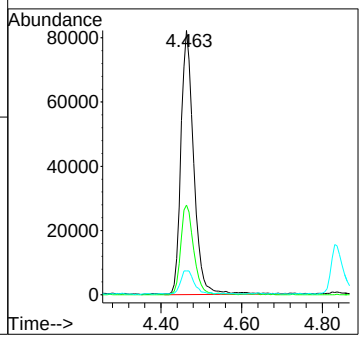


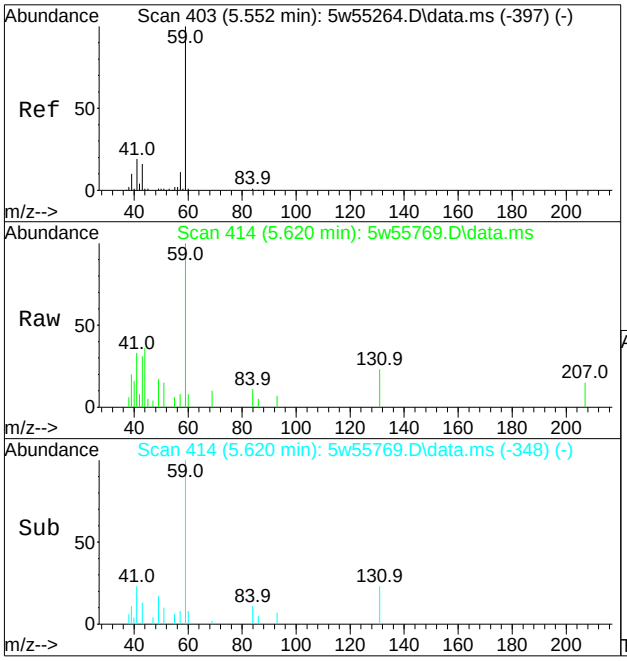



#28
ETHANOL
Concen: 7.9425 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 45 Resp: 181581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.5 | 4.5 | 64.5 |
| 42 | 10.0 | 0.0 | 38.6 |

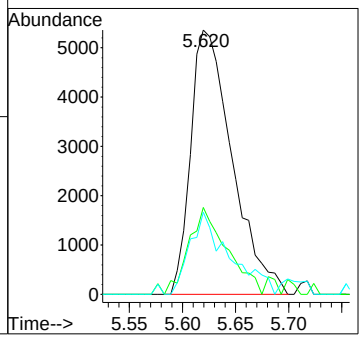


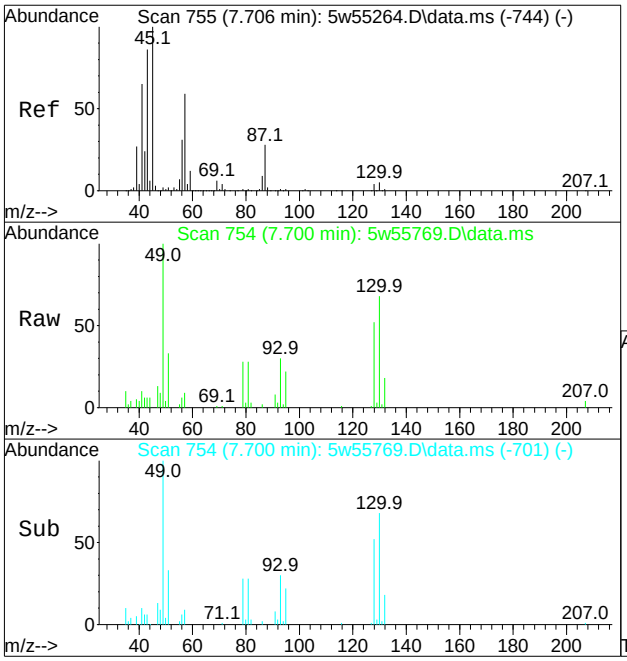




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2484 PPBV
RT: 5.620 min Scan# 414
Delta R.T. 0.073 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 59 Resp: 14579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 30.6 | 0.0 | 53.1 |
| 43 | 29.4 | 0.0 | 47.1 |

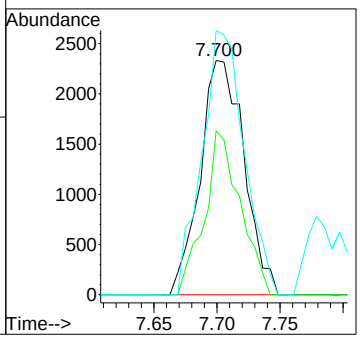


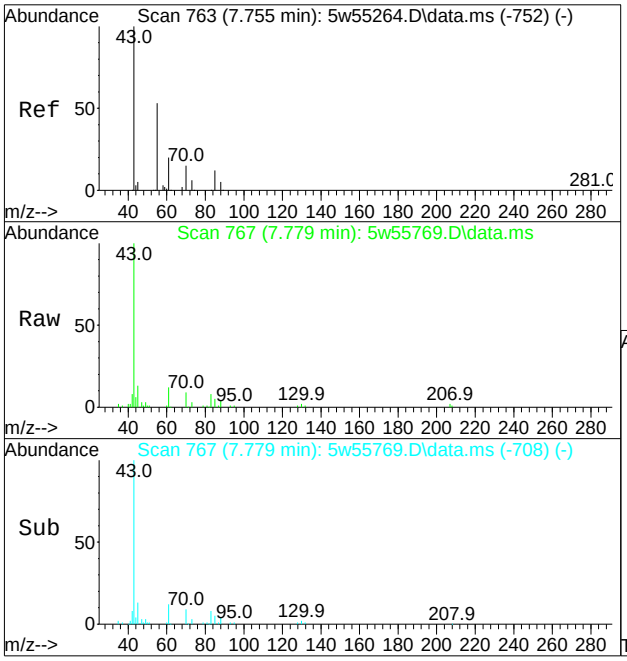



#38
HEXANE
Concen: 0.1236 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 57 Resp: 5644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.1 | 24.2 | 84.2 |
| 41 | 108.5 | 92.1 | 152.1 |

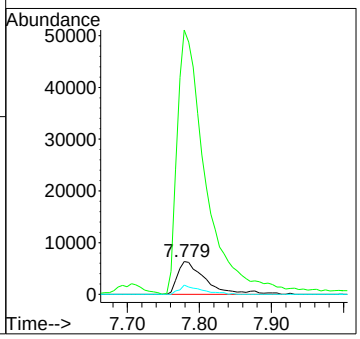


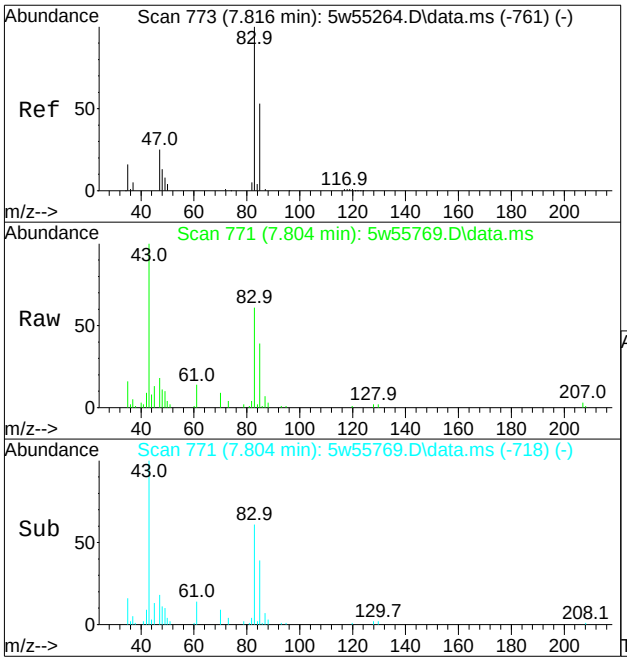




#44
ETHYL ACETATE
Concen: 1.8513 PPBV
RT: 7.779 min Scan# 767
Delta R.T. 0.030 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 61 Resp: 17270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 848.5 | 0.0 | 30.0# |
| 88 | 21.7 | 7.3 | 67.3 |

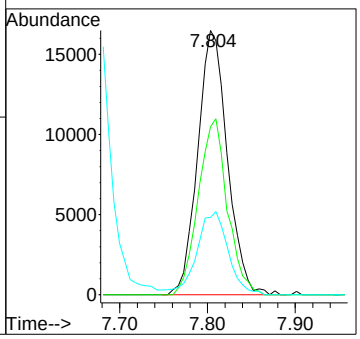


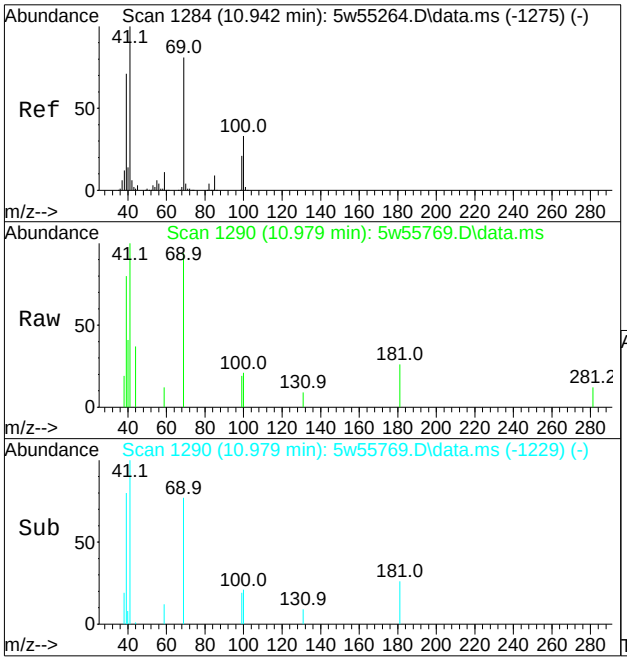



#46
CHLOROFORM
Concen: 0.5175 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 83 Resp: 38727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 35.5 | 95.5 |
| 47 | 33.1 | 0.0 | 56.8 |

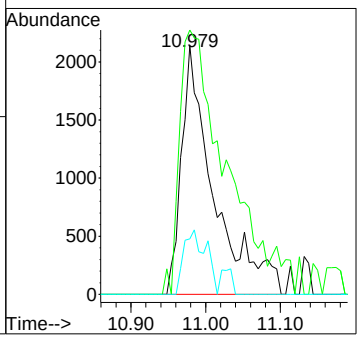


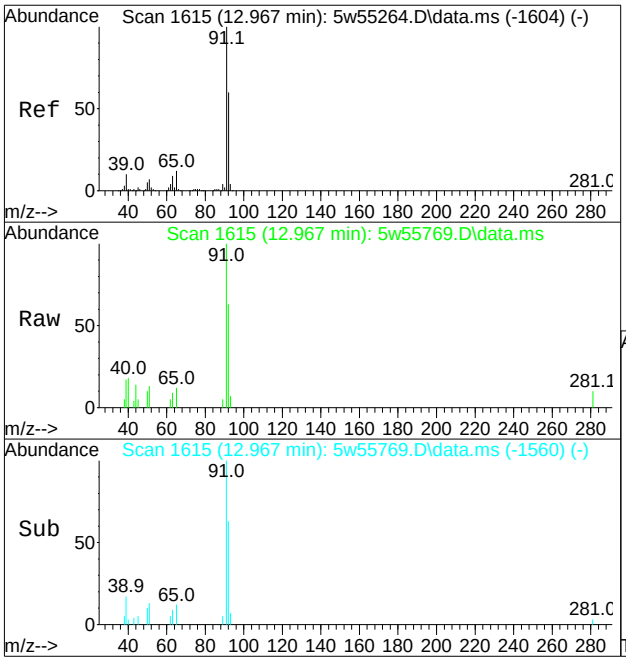




#63
METHYL METHACRYLATE
Concen: 0.1917 PPBV
RT: 10.979 min Scan# 1290
Delta R.T. 0.043 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 69 Resp: 6386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 157.6 | 97.3 | 157.3# |
| 100 | 18.0 | 3.0 | 63.0 |

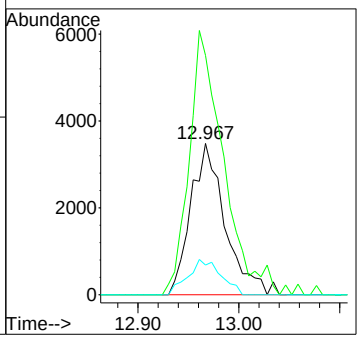


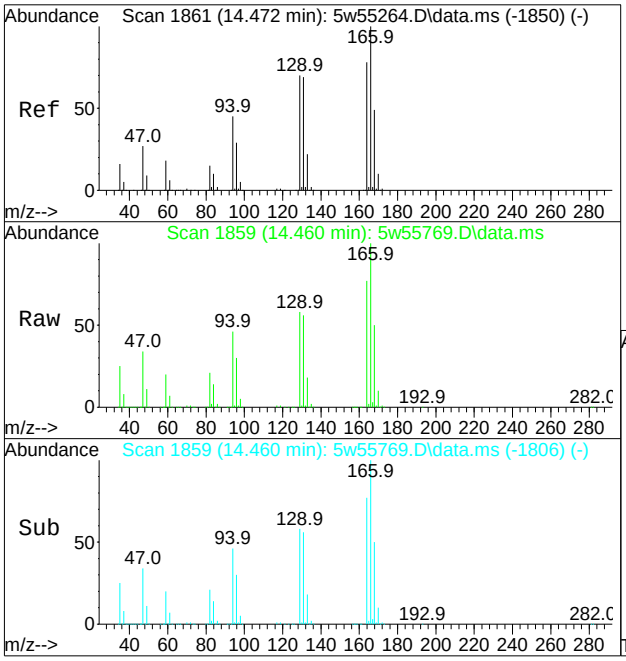



#66
TOLUENE
Concen: 0.1181 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion: 92 Resp: 8276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.0 | 143.4 | 203.4 |
| 65 | 22.3 | 0.0 | 53.8 |

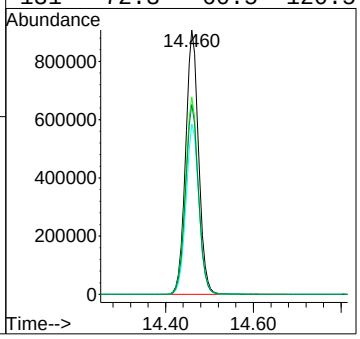



#73
TETRACHLOROETHYLENE
Concen: 38.2926 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55769.D
Acq: 20 Dec 2024 4:55 am

Tgt Ion:164 Resp: 1863187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.3 | 64.4 | 124.4 |
| 168 | 64.4 | 31.2 | 91.2 |
| 131 | 72.3 | 60.5 | 120.5 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 12:03:41 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

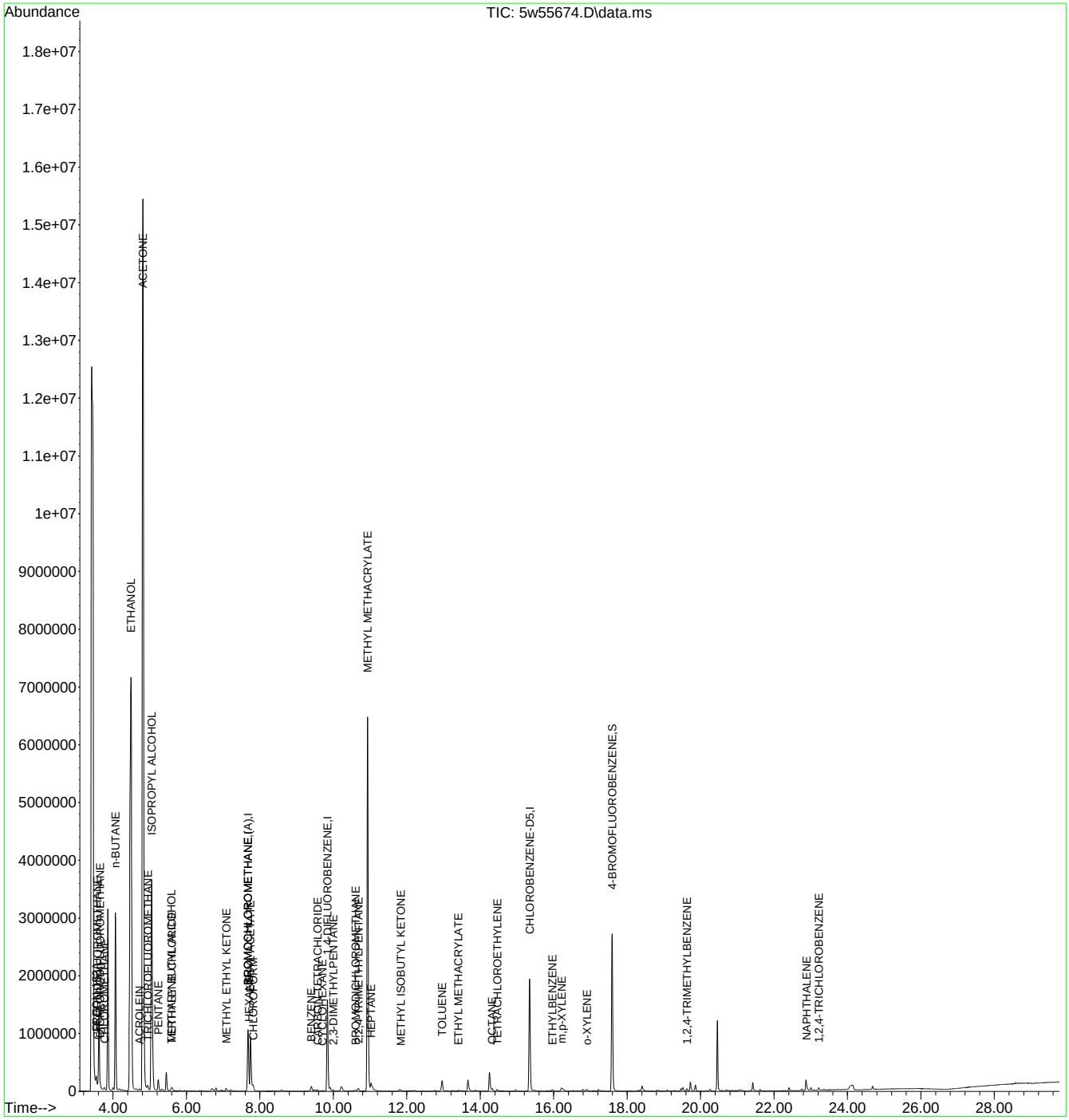
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 277269 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1350782 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 827218 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 277269 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1045427 | 11.29 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.90% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 63466 | 3.0938 | PPBV | 86 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 5096 | 0.4791 | PPBV | 96 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 63095 | 0.6227 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 7222 | 0.5527 | PPBV | 88 |
| 13) n-BUTANE | 4.066 | 43 | 2604382 | 43.9673 | PPBV | 99 |
| 18) ACROLEIN | 4.720 | 56 | 25510 | 1.7074 | PPBV | 99 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 55541 | 0.5932 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.051 | 45 | 5756907 | 97.0343 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 8184668 | 365.9946 | PPBV # | 73 |
| 24) PENTANE | 5.234 | 42 | 80963 | 2.7471 | PPBV | 95 |
| 28) ETHANOL | 4.488 | 45 | 13201208 | 607.1257 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.607 | 84 | 15914 | 0.5472 | PPBV | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.589 | 59 | 56106 | 1.0053 | PPBV | 69 |
| 38) HEXANE | 7.699 | 57 | 30364 | 0.6989 | PPBV | 81 |
| 41) METHYL ETHYL KETONE | 7.082 | 72 | 20117 | 1.6726 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.742 | 61 | 186824 | 21.0573 | PPBV # | 75 |
| 46) CHLOROFORM | 7.816 | 83 | 69915 | 0.9823 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 11292 | 0.1478 | PPBV | 95 |
| 52) BENZENE | 9.400 | 78 | 85439 | 0.8727 | PPBV | 98 |
| 53) CYCLOHEXANE | 9.700 | 84 | 6341 | 0.1724 | PPBV | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4599 | 0.2316 | PPBV | 99 |
| 59) BROMODICHLOROMETHANE | 10.611 | 83 | 10522 | 0.1167 | PPBV | 85 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 44694 | 0.3006 | PPBV | 79 |
| 62) HEPTANE | 11.028 | 43 | 57270m | 1.1028 | PPBV | |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 2816198 | 86.5222 | PPBV | 95 |
| 64) METHYL ISOBUTYL KETONE | 11.841 | 58 | 3788 | 0.1369 | PPBV # | 62 |
| 66) TOLUENE | 12.961 | 92 | 94499 | 1.3799 | PPBV | 100 |
| 72) ETHYL METHACRYLATE | 13.407 | 69 | 12381 | 0.2167 | PPBV # | 78 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 7408 | 0.1371 | PPBV | 87 |
| 76) OCTANE | 14.325 | 43 | 30796m | 0.4238 | PPBV | |
| 79) ETHYLBENZENE | 15.964 | 91 | 27663 | 0.1814 | PPBV | 95 |
| 80) m,p-XYLENE | 16.215 | 106 | 25356 | 0.4382 | PPBV # | 78 |
| 81) o-XYLENE | 16.907 | 106 | 9583 | 0.1706 | PPBV # | 77 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 20263 | 0.1409 | PPBV # | 42 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 13984 | 0.1526 | PPBV | 95 |
| 108) NAPHTHALENE | 22.890 | 128 | 37367 | 0.1858 | PPBV | 99 |

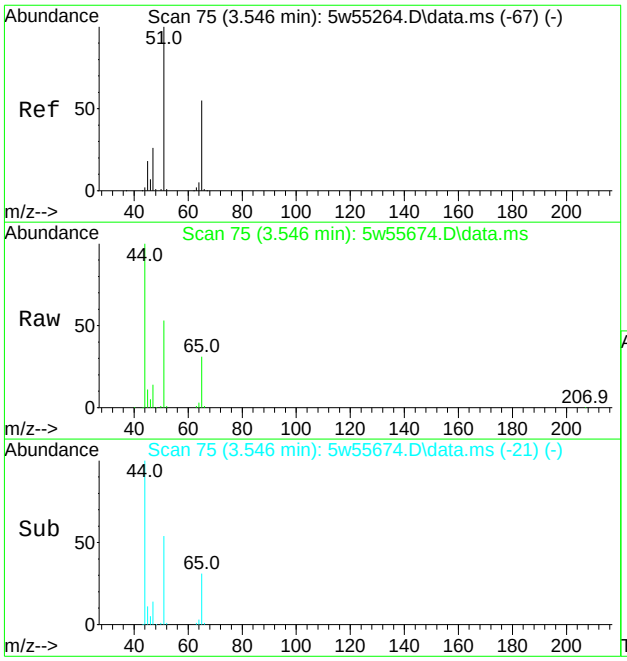
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 12:03:41 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

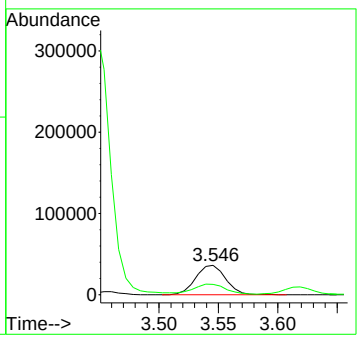


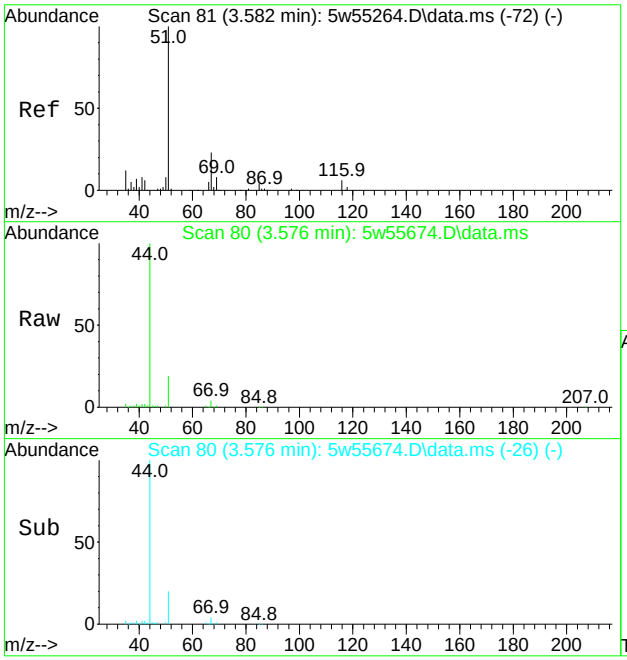



#3
FREON 152A
Concen: 3.0938 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 65 Resp: 63466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 39.8 | 1.8 | 61.8 |

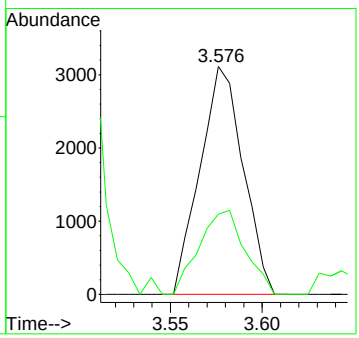


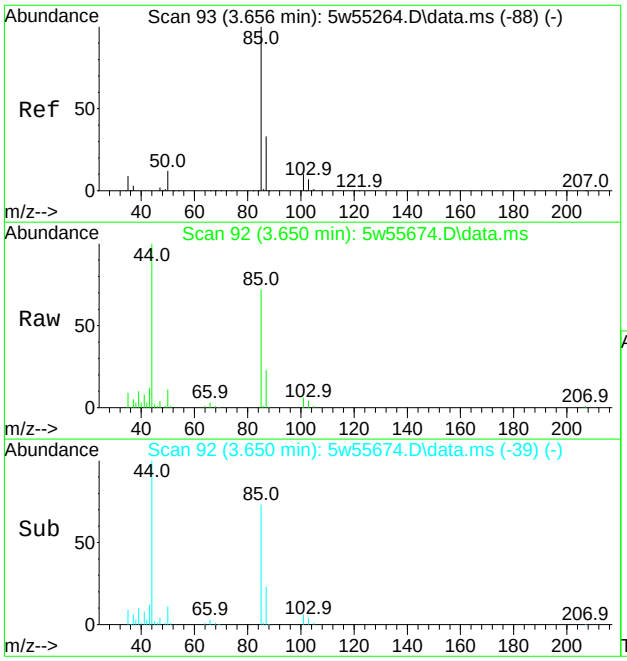




#4
CHLORODIFLUOROMETHANE
Concen: 0.4791 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 67 Resp: 5096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 35.2 | 2.9 | 62.9 |

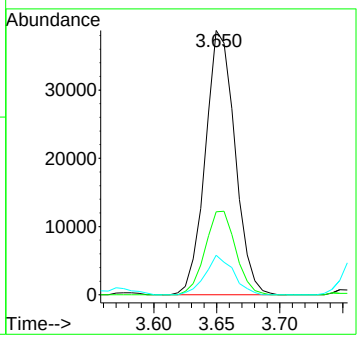


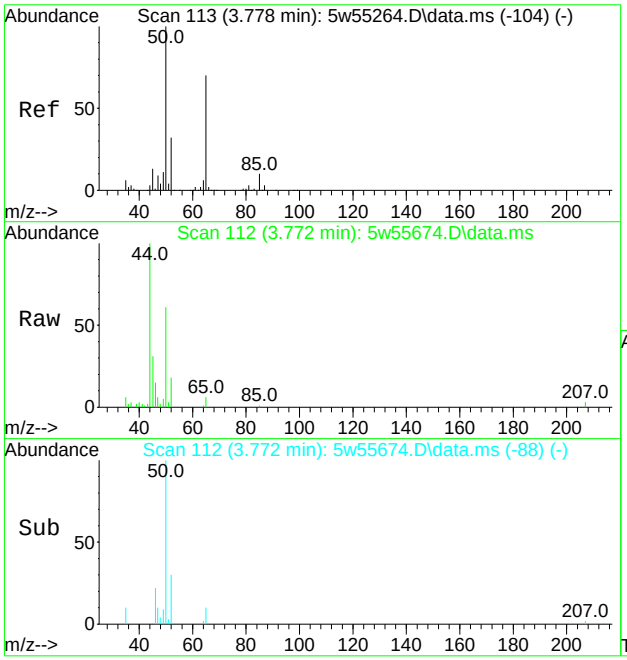



#6
DICHLORODIFLUOROMETHANE
Concen: 0.6227 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 85 Resp: 63095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 2.6 | 62.6 |
| 50 | 14.2 | 0.0 | 43.0 |

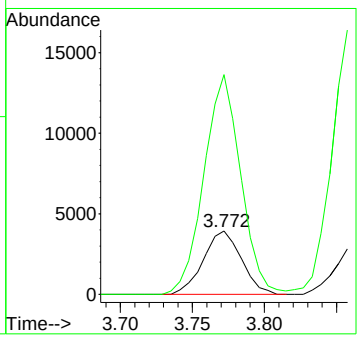


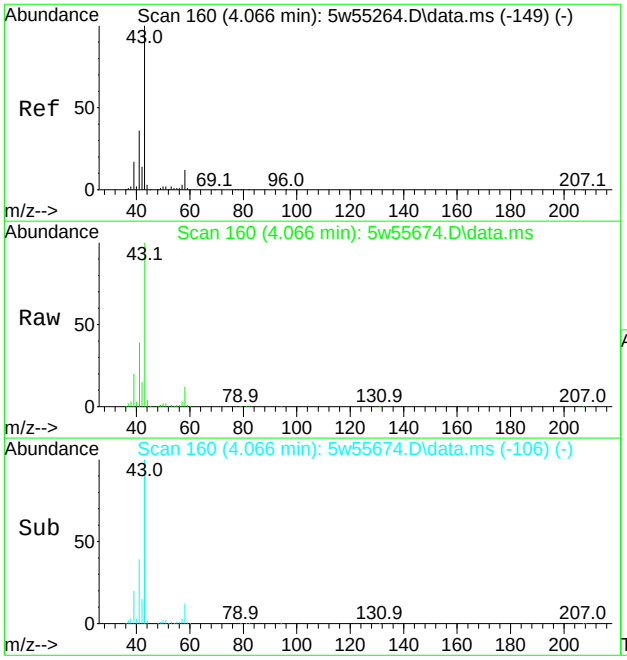




#10
CHLOROMETHANE
Concen: 0.5527 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 52 Resp: 7222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 343.3 | 287.9 | 347.9 |

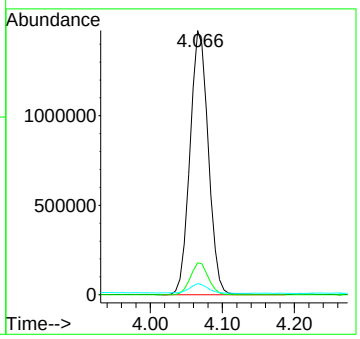


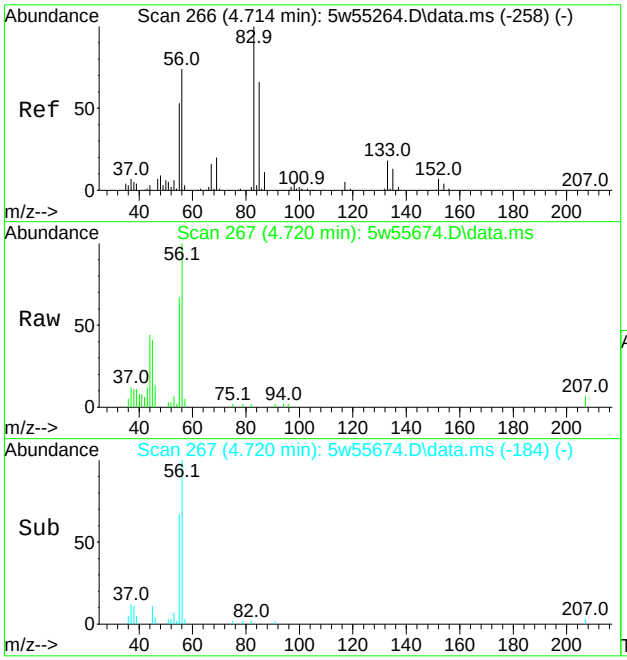



#13
n-BUTANE
Concen: 43.9673 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 2604382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.9 | 0.0 | 41.6 |
| 44 | 4.1 | 0.0 | 34.7 |

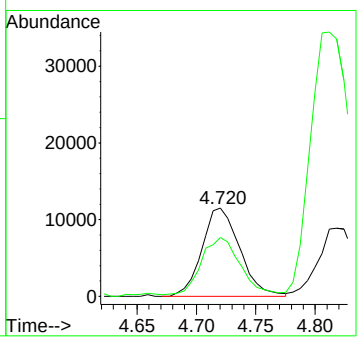


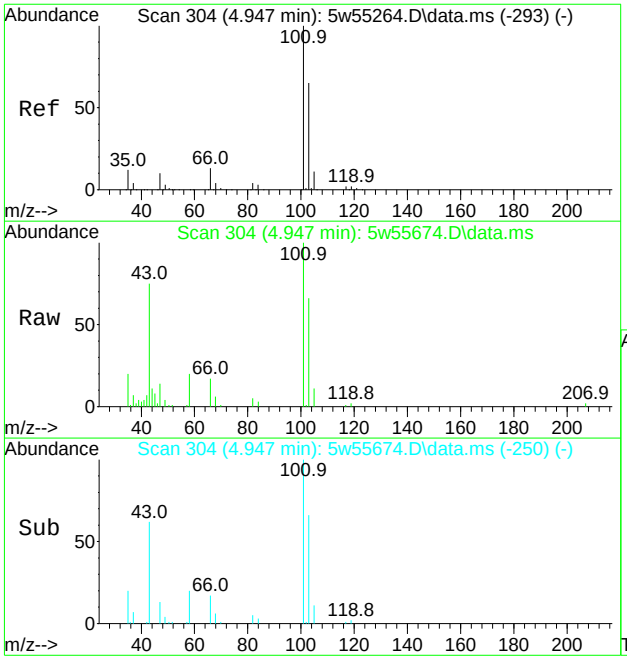




#18
ACROLEIN
Concen: 1.7074 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 56 Resp: 25510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.4 | 49.8 | 92.6 |

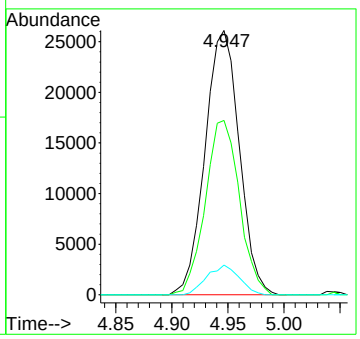


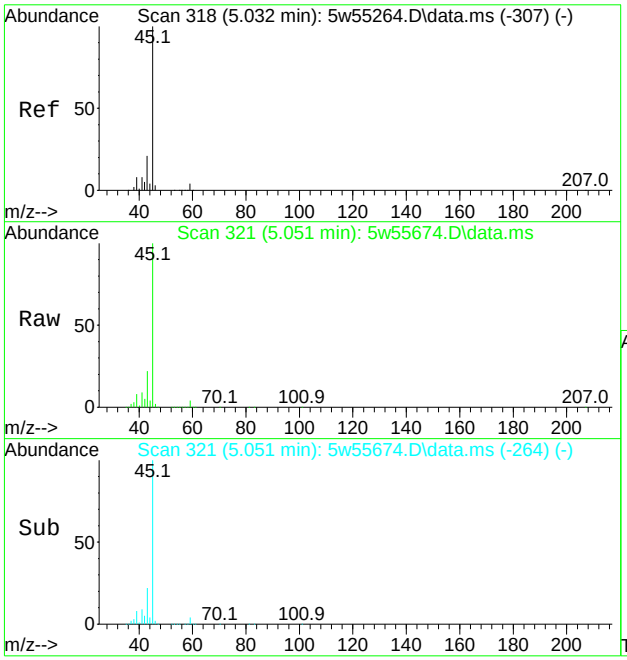



#21
TRICHLOROFLUOROMETHANE
Concen: 0.5932 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:101 Resp: 55541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 34.7 | 94.7 |
| 105 | 10.6 | 0.0 | 40.5 |

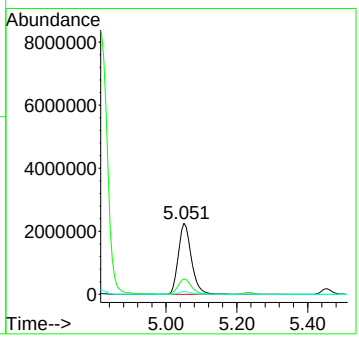


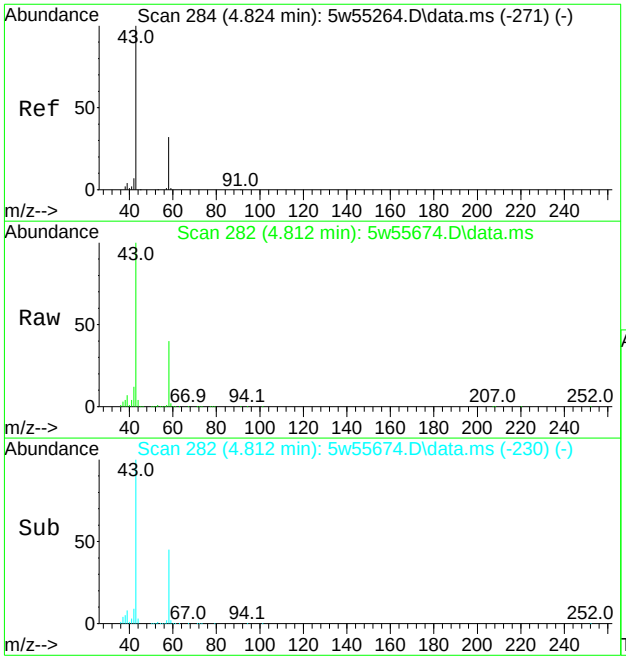




#22
ISOPROPYL ALCOHOL
Concen: 97.0343 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 45 Resp: 5756907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.9 | 0.0 | 50.8 |
| 59 | 3.9 | 0.0 | 33.8 |

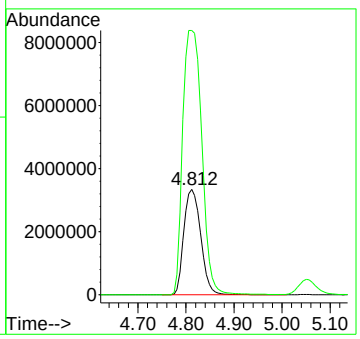


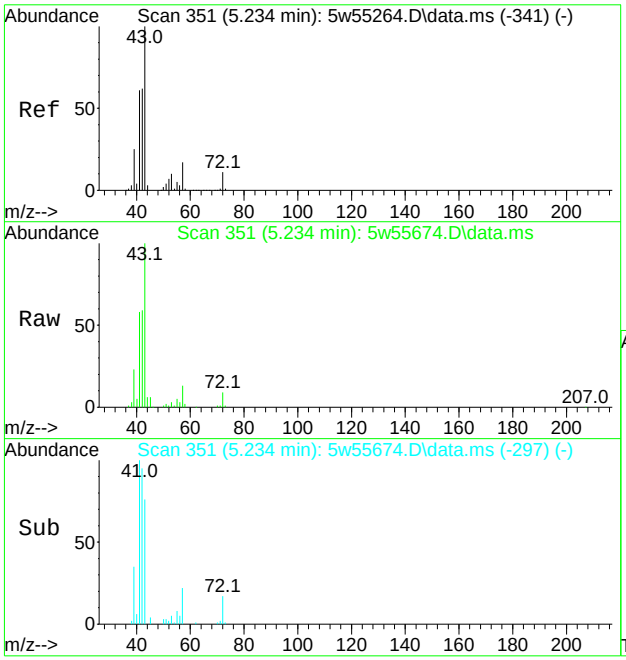



#23
ACETONE
Concen: 365.9946 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 58 Resp: 8184668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 284.4 | 312.3 | 372.3# |

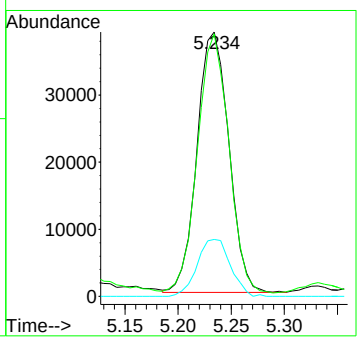


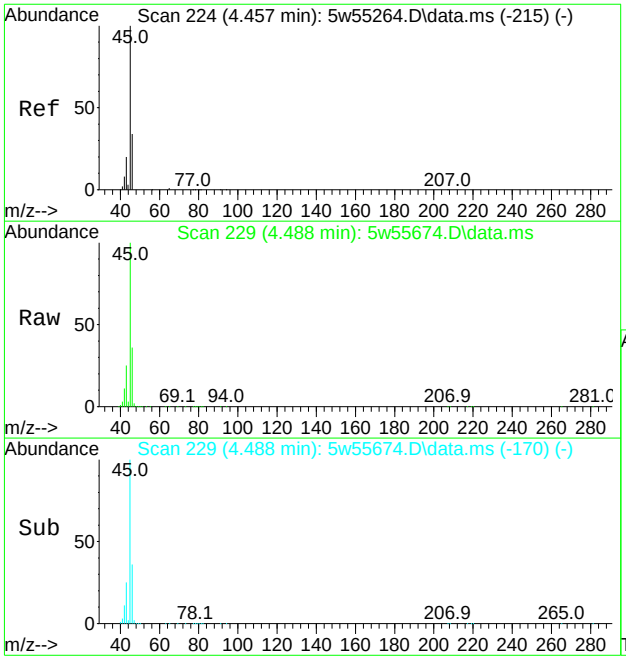




#24
PENTANE
Concen: 2.7471 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 42 Resp: 80963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 99.2 | 64.4 | 124.4 |
| 57 | 22.8 | 0.0 | 55.0 |

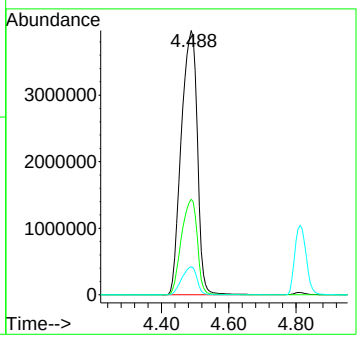


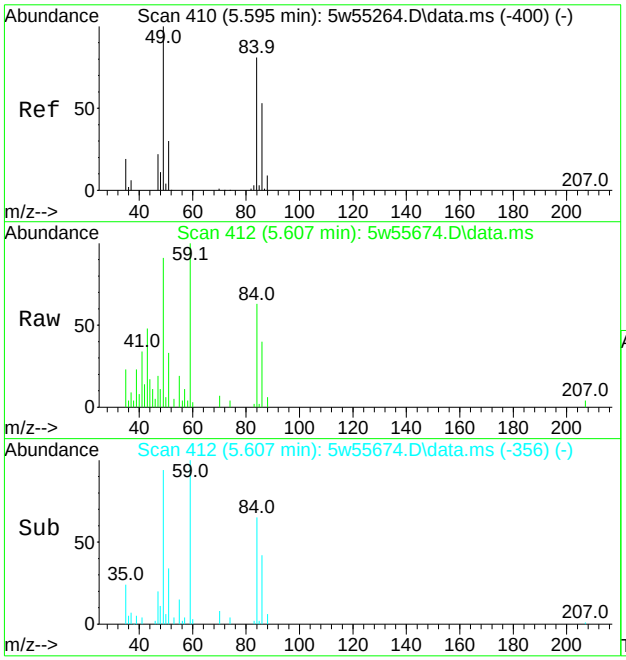



#28
ETHANOL
Concen: 607.1257 PPBV
RT: 4.488 min Scan# 229
Delta R.T. 0.030 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 45 Resp:13201208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.7 | 4.5 | 64.5 |
| 42 | 10.0 | 0.0 | 38.6 |

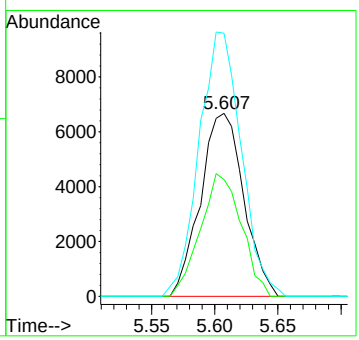


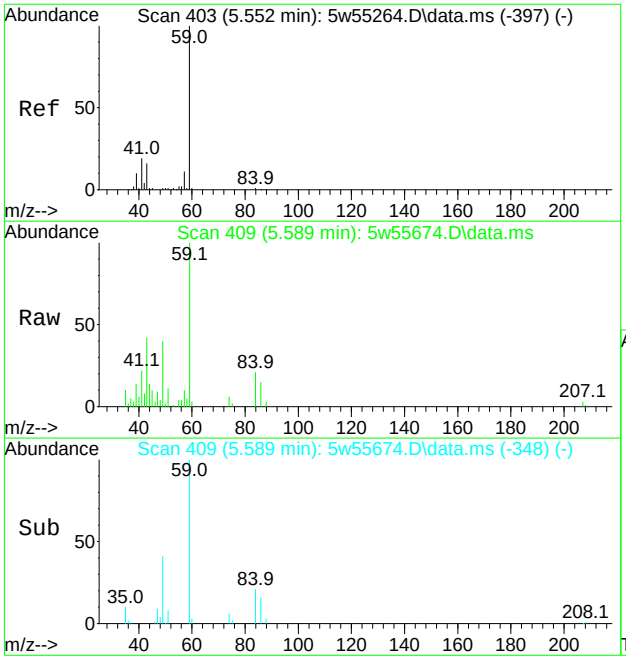




#31
METHYLENE CHLORIDE
Concen: 0.5472 PPBV
RT: 5.607 min Scan# 412
Delta R.T. 0.012 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 84 Resp: 15914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.3 | 34.0 | 94.0 |
| 49 | 140.9 | 105.8 | 165.8 |

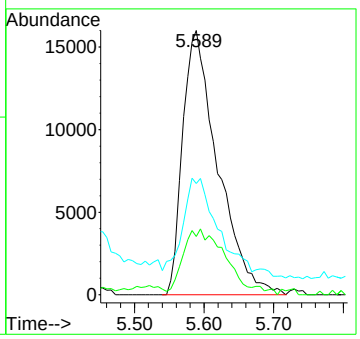


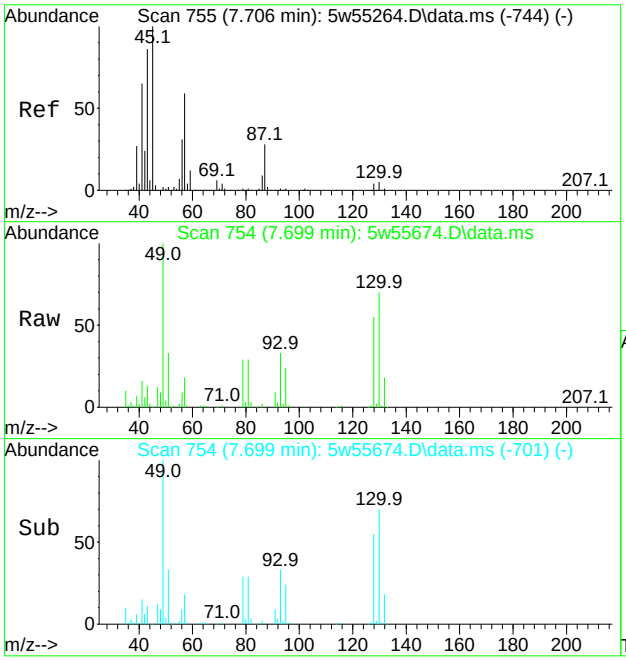



#35
TERTIARY BUTYL ALCOHOL
Concen: 1.0053 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 59 Resp: 56106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 30.3 | 0.0 | 53.1 |
| 43 | 39.9 | 0.0 | 47.1 |

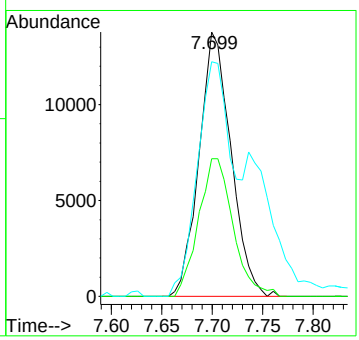


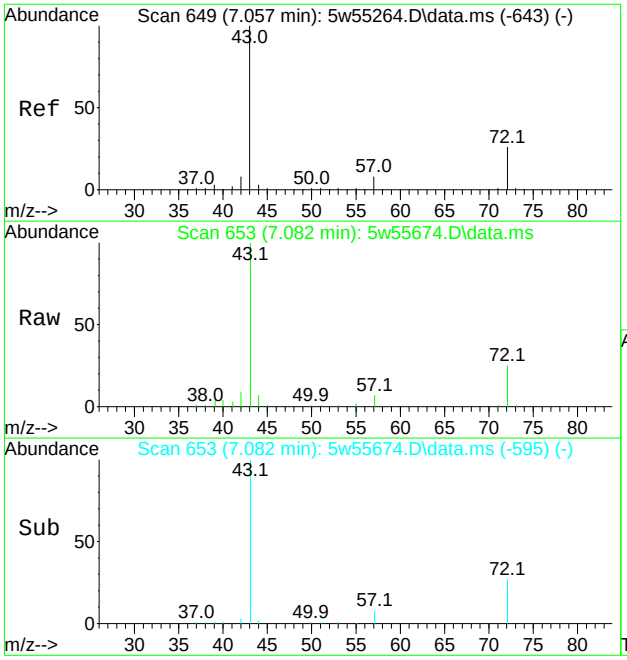




#38
HEXANE
Concen: 0.6989 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 57 Resp: 30364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.3 | 24.2 | 84.2 |
| 41 | 151.3 | 92.1 | 152.1 |

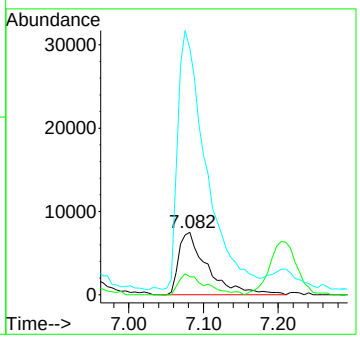


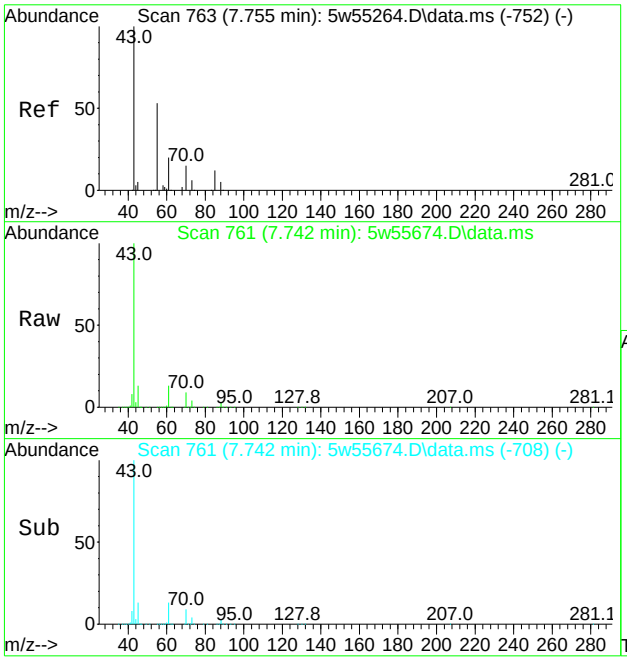



#41
METHYL ETHYL KETONE
Concen: 1.6726 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 72 Resp: 20117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 28.8 | 1.1 | 61.1 |
| 43 | 394.6 | 390.6 | 450.6 |

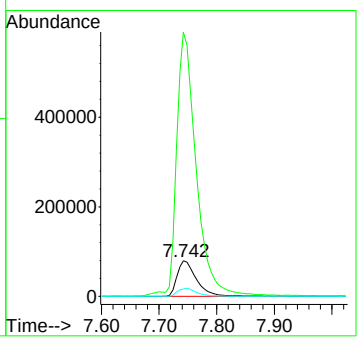


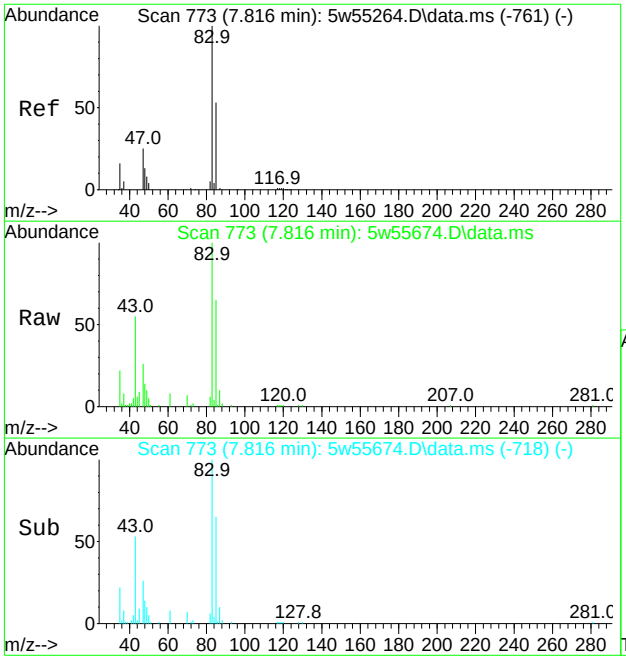




#44
ETHYL ACETATE
Concen: 21.0573 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 61 Resp: 186824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 752.9 | 0.0 | 30.0# |
| 88 | 22.4 | 7.3 | 67.3 |

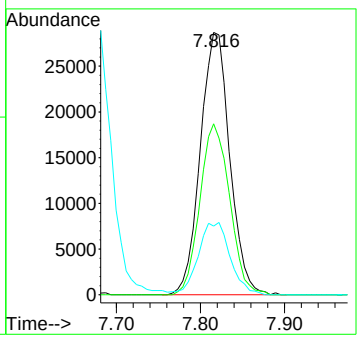


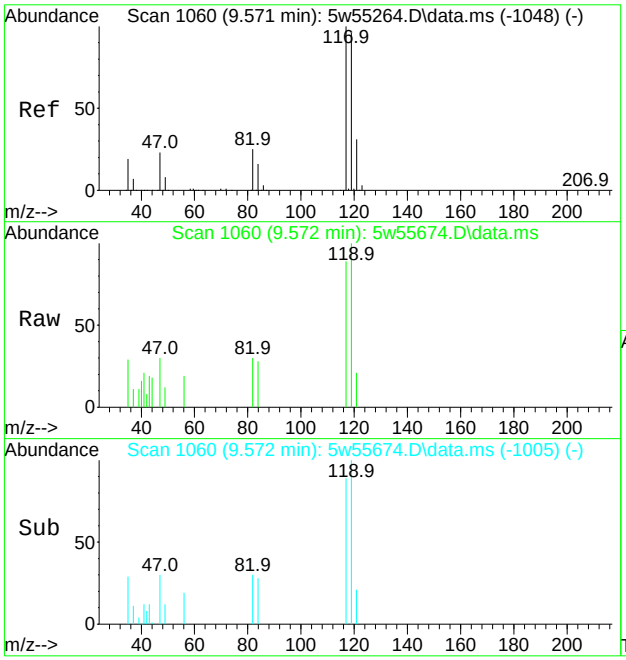



#46
CHLOROFORM
Concen: 0.9823 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 83 Resp: 69915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 35.5 | 95.5 |
| 47 | 29.8 | 0.0 | 56.8 |

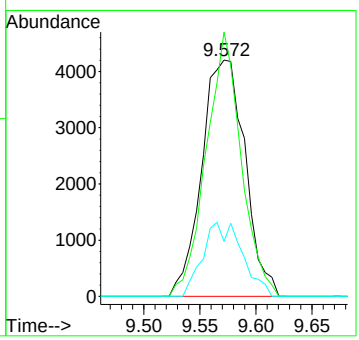


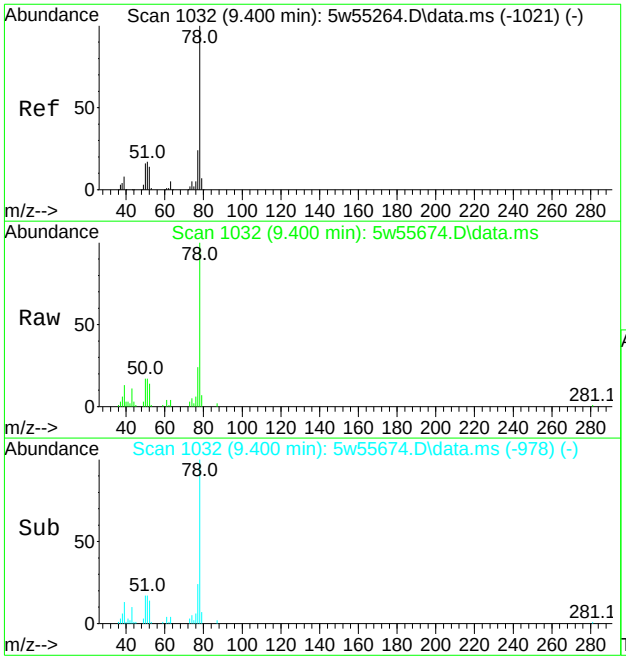




#49
CARBON TETRACHLORIDE
Concen: 0.1478 PPBV
RT: 9.572 min Scan# 1060
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:117 Resp: 11292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.4 | 65.9 | 125.9 |
| 121 | 28.5 | 0.7 | 60.7 |

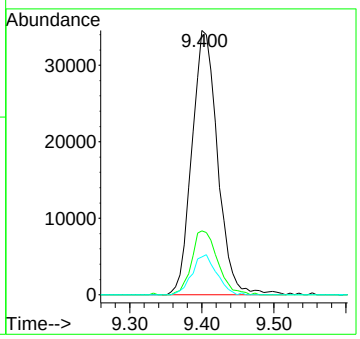


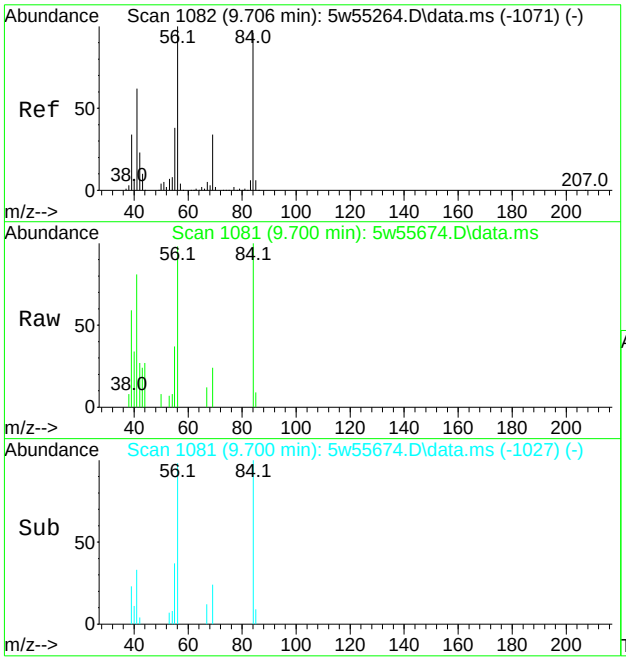



#52
BENZENE
Concen: 0.8727 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 78 Resp: 85439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 0.0 | 54.0 |
| 52 | 14.5 | 0.0 | 45.6 |

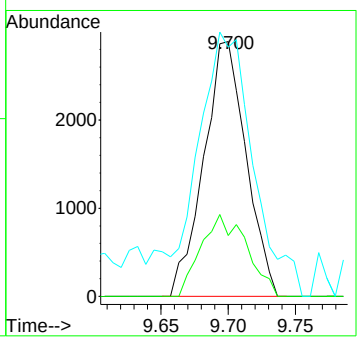


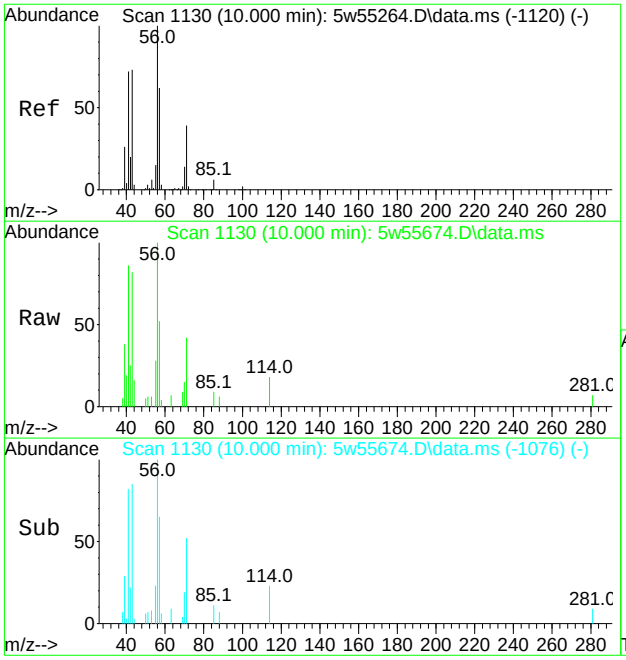




#53
CYCLOHEXANE
Concen: 0.1724 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 84 Resp: 6341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 34.5 | 7.0 | 67.0 |
| 56 | 132.3 | 86.5 | 146.5 |

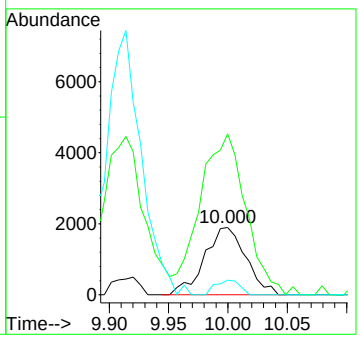


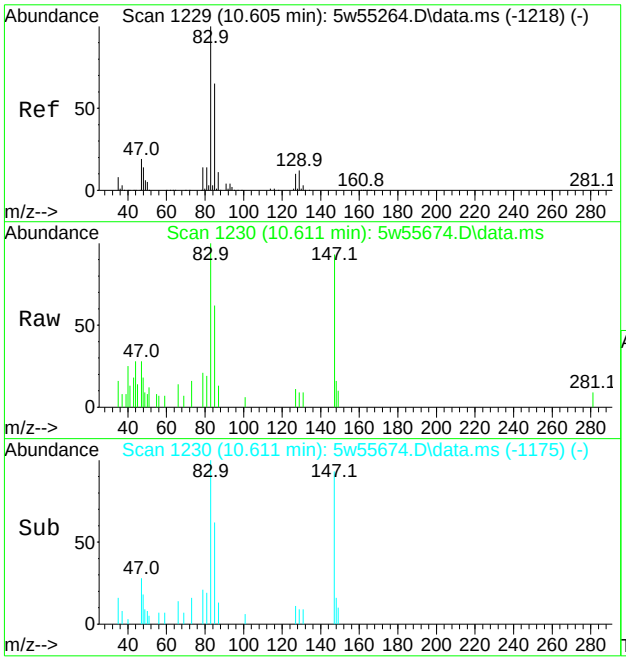



#54
2,3-DIMETHYLPENTANE
Concen: 0.2316 PPBV
RT: 10.000 min Scan# 1130
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 71 Resp: 4599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 266.4 | 235.4 | 295.4 |
| 85 | 12.7 | 0.0 | 45.3 |

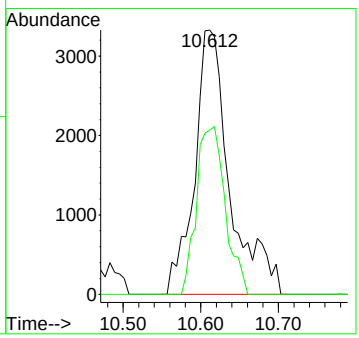


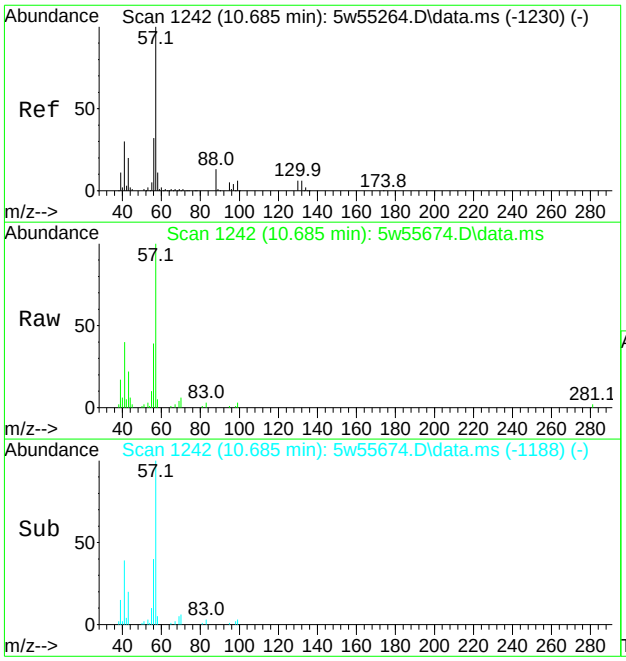




#59
BROMODICHLOROMETHANE
Concen: 0.1167 PPBV
RT: 10.611 min Scan# 1230
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 83 Resp: 10522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 51.4 | 33.2 | 93.2 |

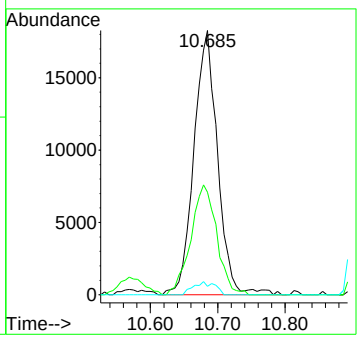


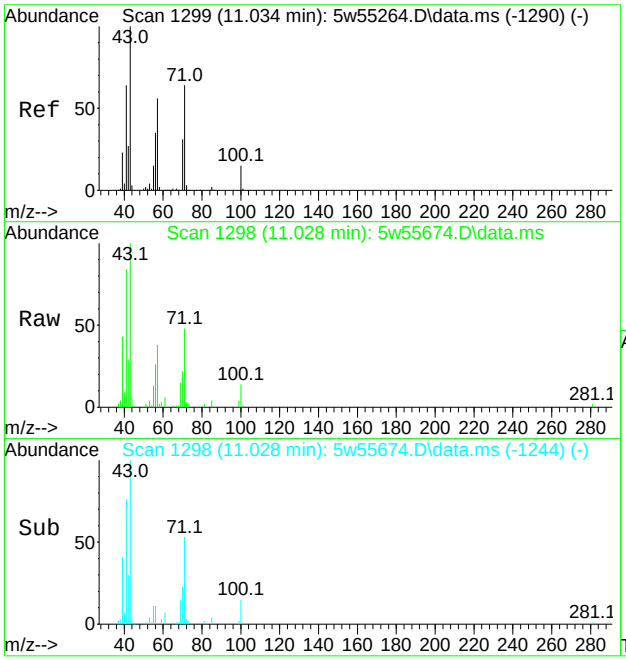



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3006 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 57 Resp: 44694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 45.6 | 2.2 | 62.2 |
| 99 | 4.5 | 0.0 | 37.6 |

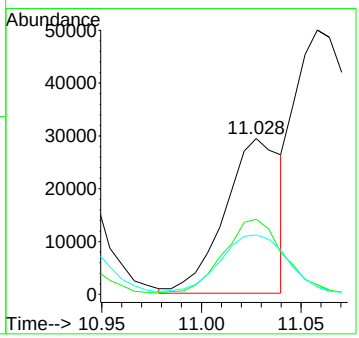


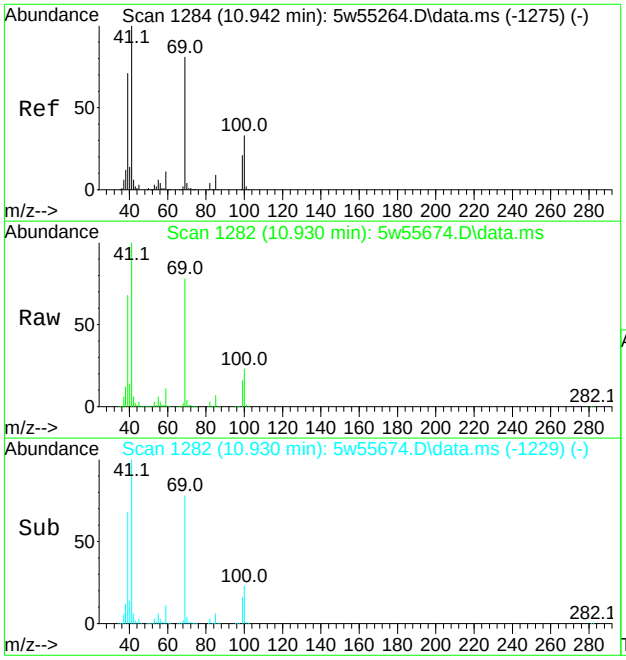




#62
HEPTANE
Concen: 1.1028 PPBV m
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 57270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 41.2 | 27.2 | 87.2 |
| 57 | 72.9 | 22.5 | 82.5 |

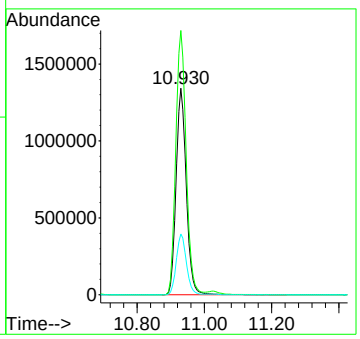


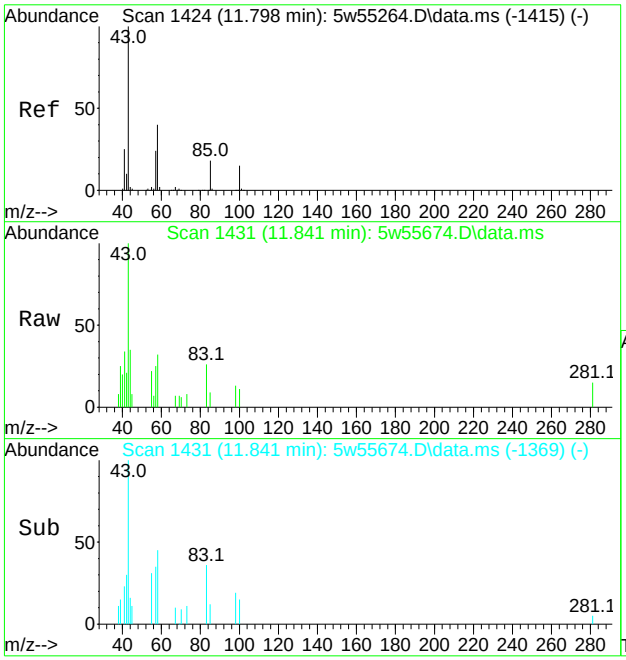



#63
METHYL METHACRYLATE
Concen: 86.5222 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 69 Resp: 2816198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 132.6 | 97.3 | 157.3 |
| 100 | 29.7 | 3.0 | 63.0 |

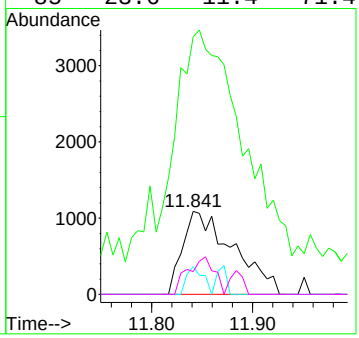


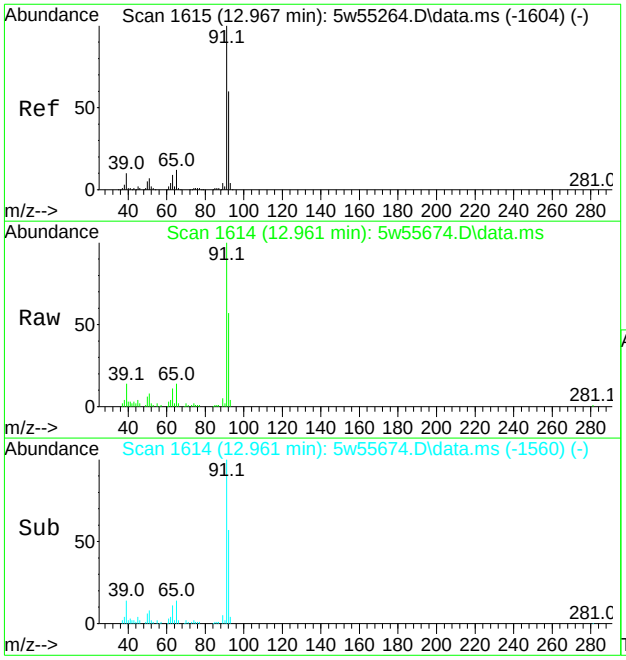




#64
METHYL ISOBUTYL KETONE
Concen: 0.1369 PPBV
RT: 11.841 min Scan# 1431
Delta R.T. 0.049 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 58 Resp: 3788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 338.9 | 236.1 | 296.1# |
| 100 | 10.9 | 0.7 | 60.7 |
| 85 | 23.6 | 11.4 | 71.4 |

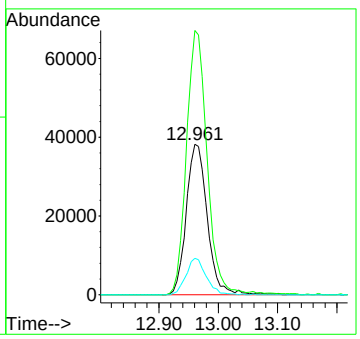


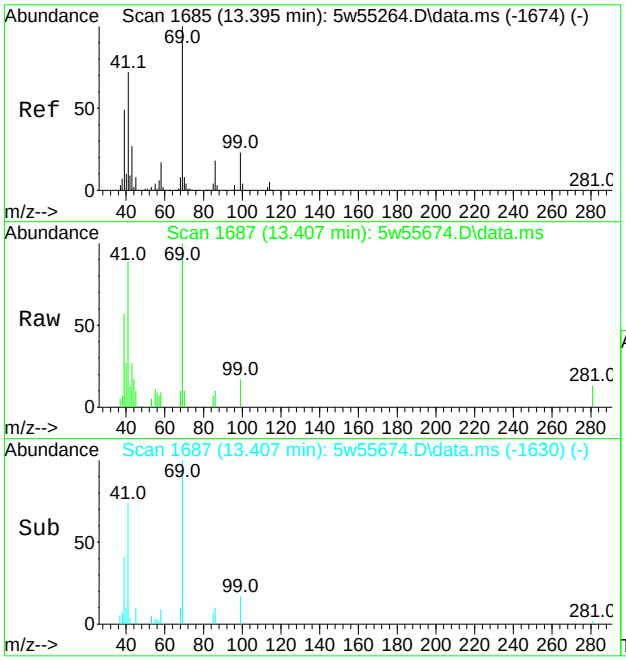



#66
TOLUENE
Concen: 1.3799 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 92 Resp: 94499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 143.4 | 203.4 |
| 65 | 23.2 | 0.0 | 53.8 |

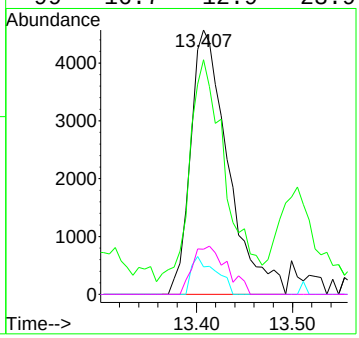


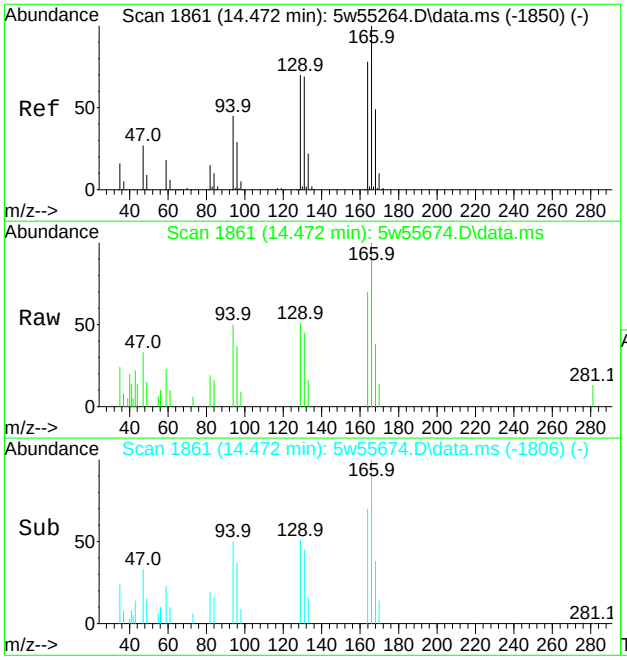




#72
ETHYL METHACRYLATE
Concen: 0.2167 PPBV
RT: 13.407 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 69 Resp: 12381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.3 | 67.8 | 125.8 |
| 86 | 9.3 | 11.3 | 20.9# |
| 99 | 16.7 | 12.9 | 23.9 |

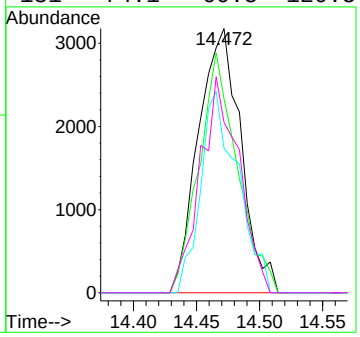


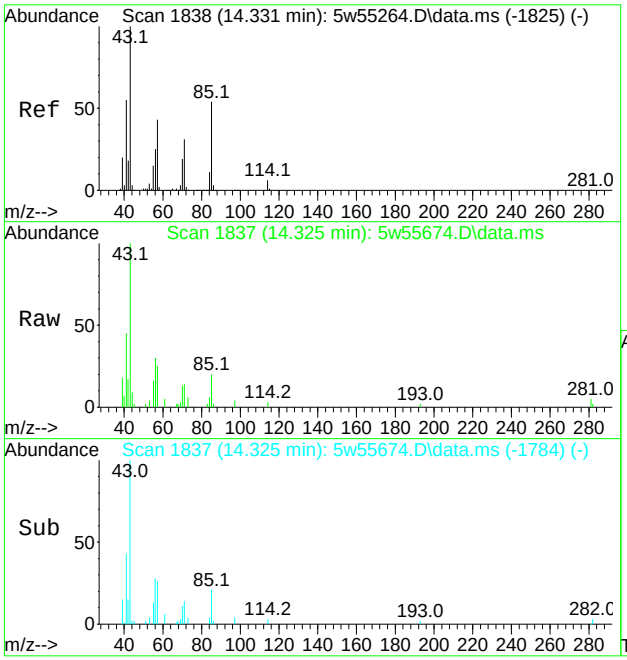



#73
TETRACHLOROETHYLENE
Concen: 0.1371 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:164 Resp: 7408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 82.4 | 64.4 | 124.4 |
| 168 | 67.0 | 31.2 | 91.2 |
| 131 | 74.1 | 60.5 | 120.5 |

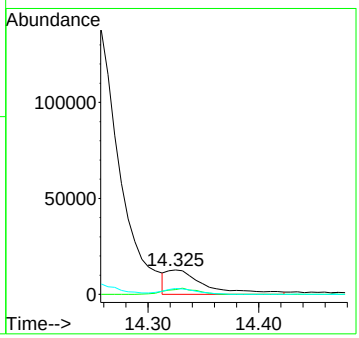


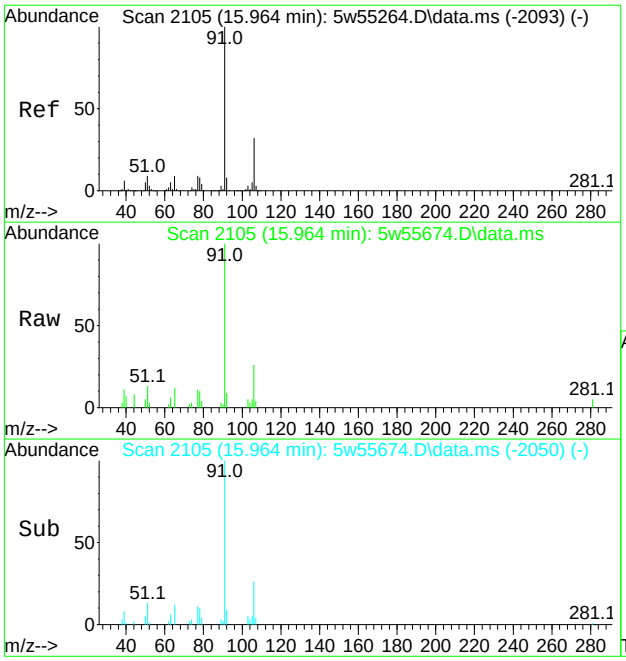




#76
OCTANE
Concen: 0.4238 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 43 Resp: 30796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 0.0 | 13.7 | 73.7# |
| 57 | 45.1 | 9.9 | 69.9 |

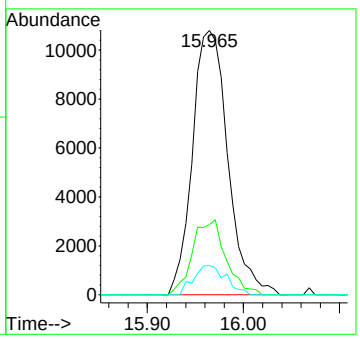


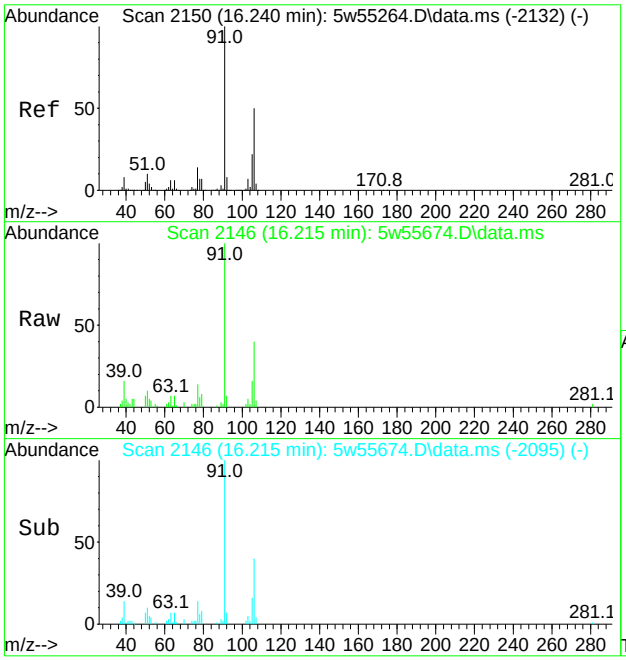



#79
ETHYLBENZENE
Concen: 0.1814 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion: 91 Resp: 27663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.7 | 0.0 | 59.9 |
| 77 | 10.2 | 0.0 | 39.1 |

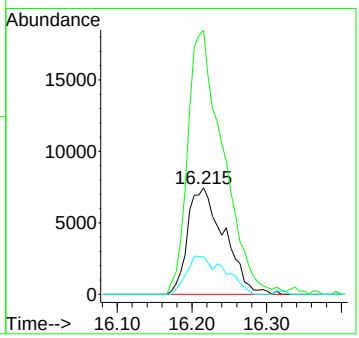


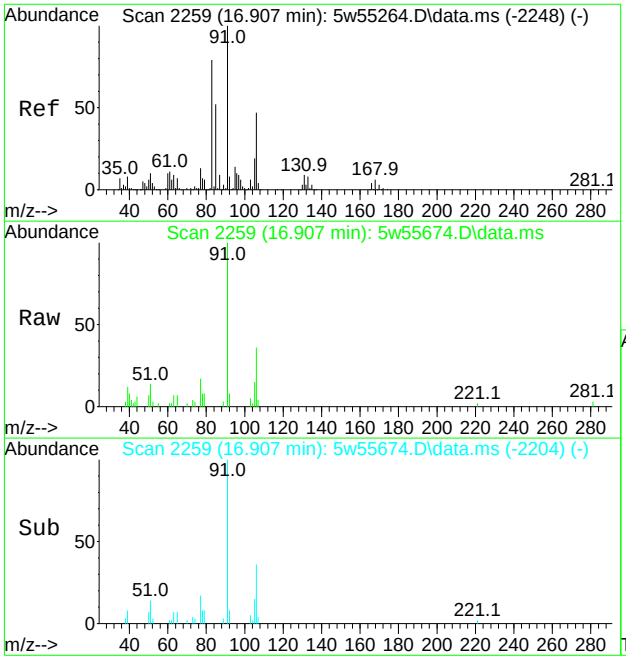




#80
m,p-XYLENE
Concen: 0.4382 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.019 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:106 Resp: 25356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 248.2 | 181.2 | 241.2# |
| 77 | 35.2 | 0.1 | 60.1 |

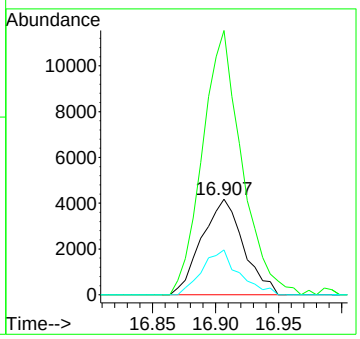


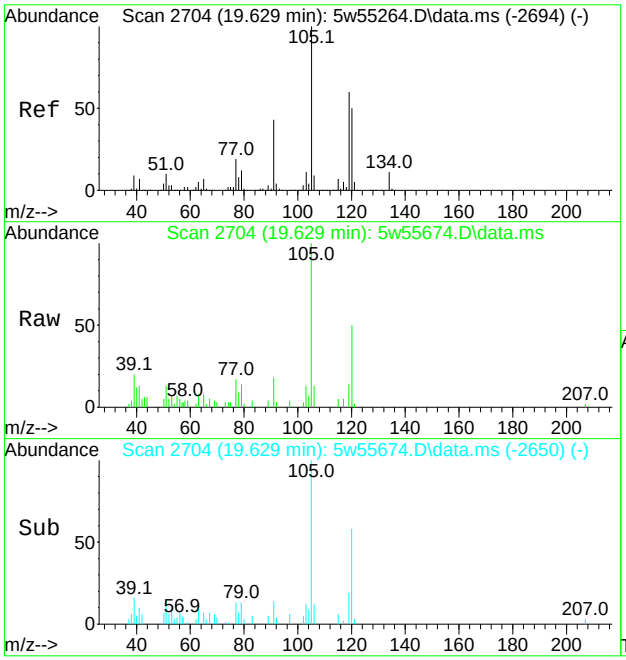



#81
o-XYLENE
Concen: 0.1706 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:106 Resp: 9583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 260.6 | 193.4 | 253.4# |
| 77 | 41.3 | 0.0 | 59.8 |

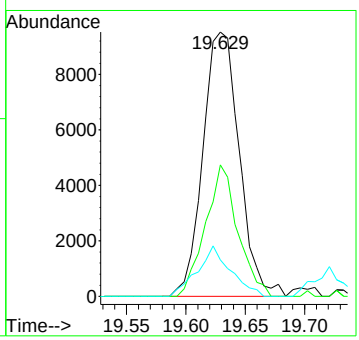


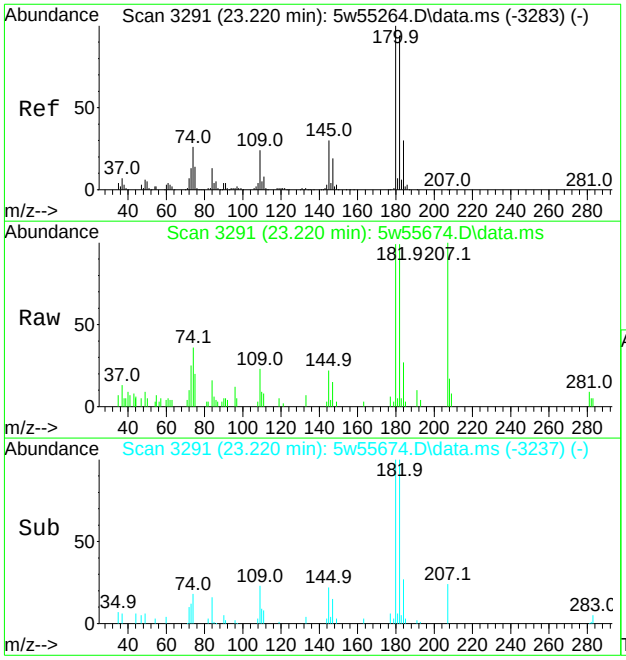




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1409 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:105 Resp: 20263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.3 | 22.6 | 82.6 |
| 119 | 17.5 | 69.7 | 129.7# |

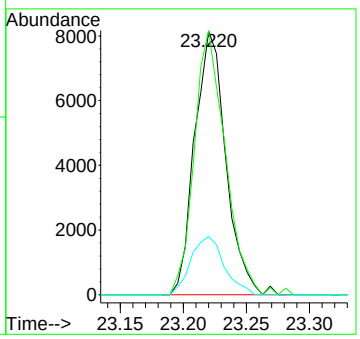


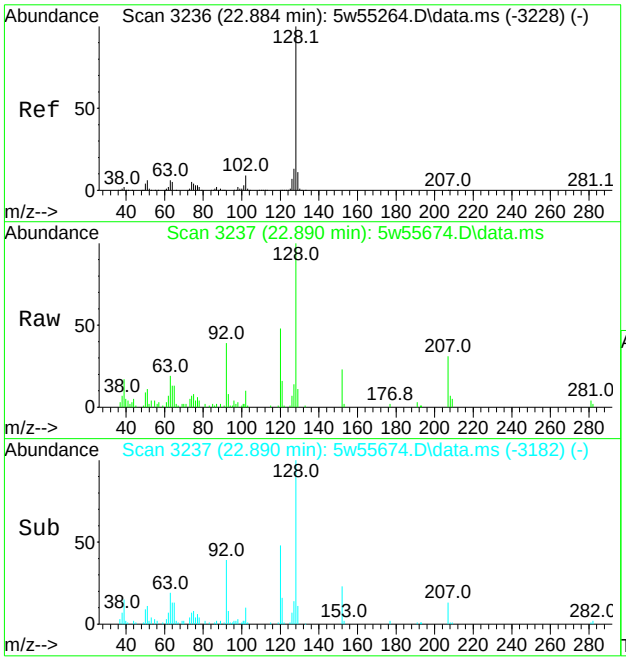



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1526 PPBV
RT: 23.220 min Scan# 3291
Delta R.T. 0.000 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:180 Resp: 13984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.0 | 66.4 | 126.4 |
| 145 | 23.6 | 0.2 | 60.2 |

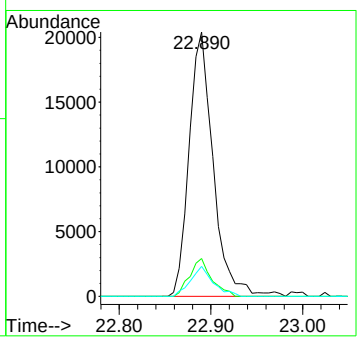



#108
NAPHTHALENE
Concen: 0.1858 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55674.D
Acq: 16 Dec 2024 9:45 pm

Tgt Ion:128 Resp: 37367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 0.0 | 43.1 |
| 129 | 10.7 | 0.0 | 41.1 |



# Manual Integration Approval Summary



**Sample Number:** JE2487-4
**Lab FileID:** 5W55674.D
**Injection Time:** 12/16/24 21:45

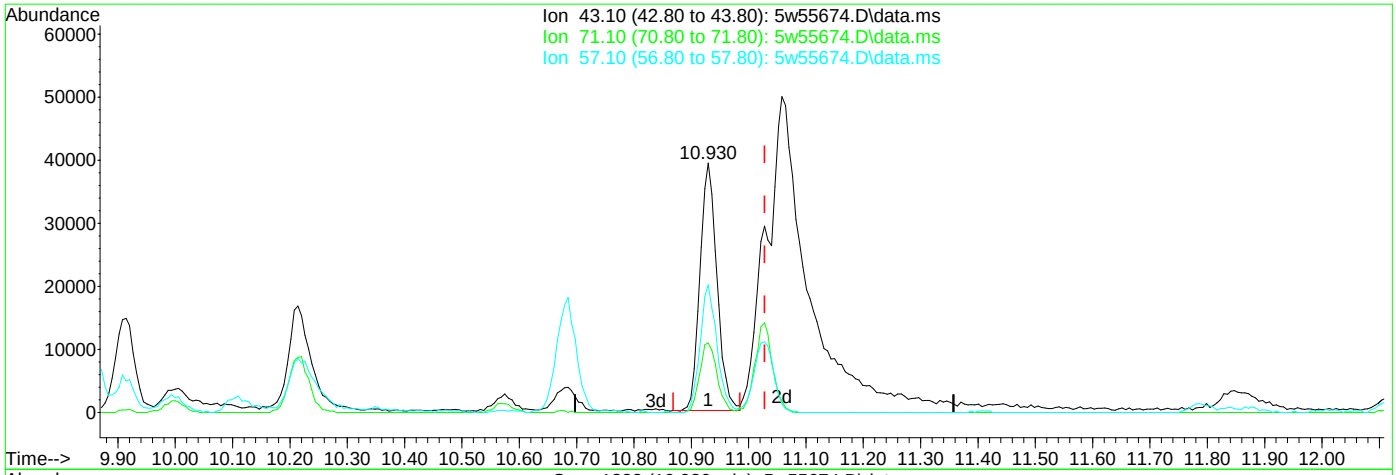
**Method:** TO-15
**Analyst approved:** 12/17/24 19:19 Kristel Valladolid
**Supervisor approved:** 12/18/24 22:00 Kanya Veerawat

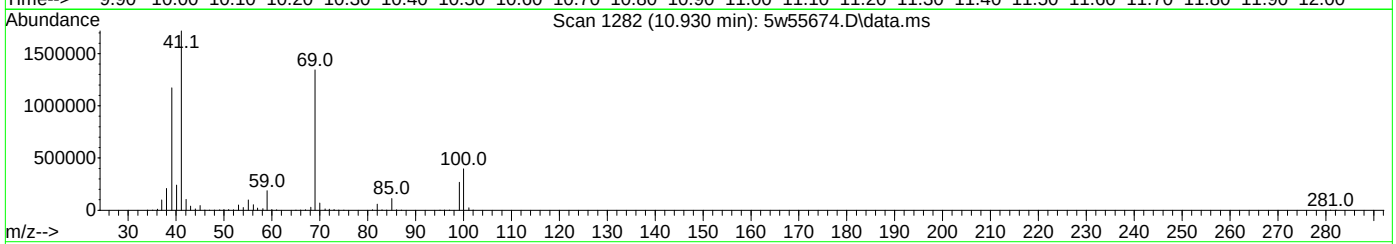
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Heptane | 142-82-5 | | 11.03 | Overlapping peak |
| Octane | 111-65-9 | | 14.32 | Overlapping peak |

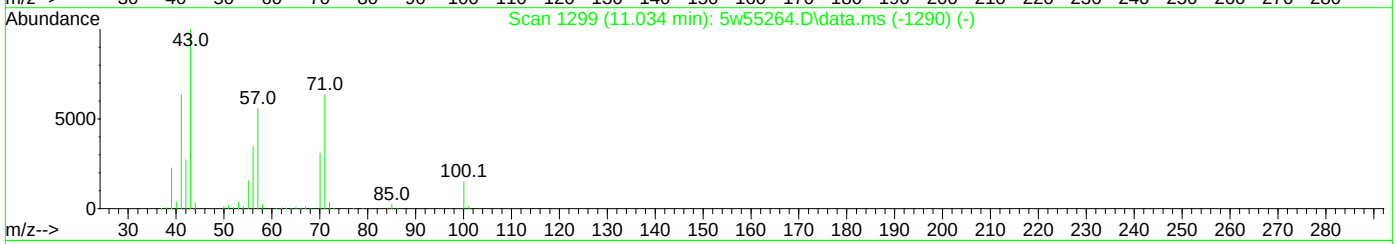
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 11:31:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55674.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.56PPBV

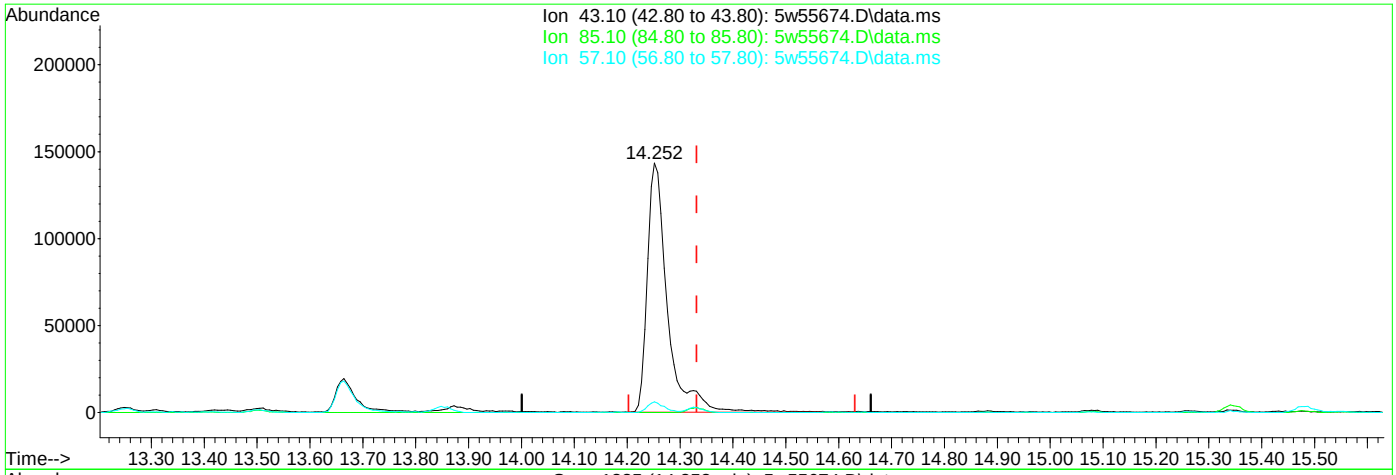
response 80893

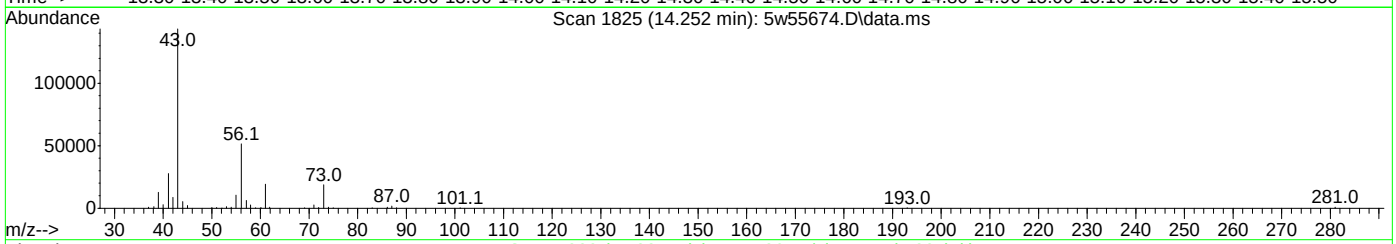
| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 71.10 | 57.20 | 29.16 |
| 57.10 | 52.50 | 51.59 |
| 0.00 | 0.00 | 0.00 |

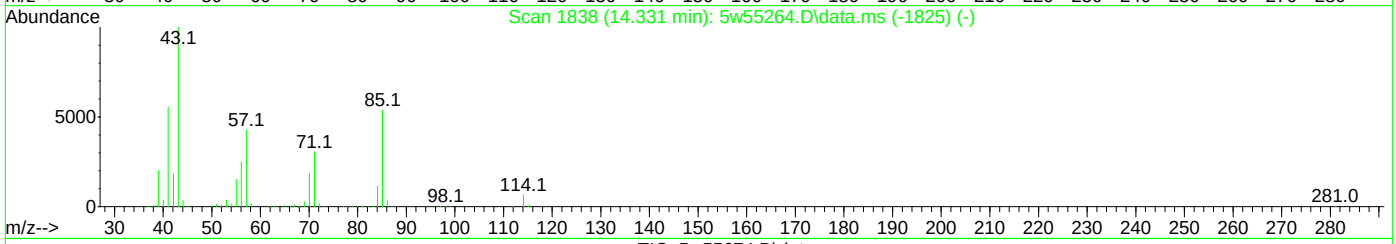
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55674.D
Acq On : 16 Dec 2024 9:45 pm
Operator : thomash
Sample : je2487-2 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 17 11:57:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55674.D\data.ms

(76) OCTANE

14.252min (-0.080) 5.24PPBV

response 380832

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 85.10 | 43.70 | 0.00# |
| 57.10 | 39.90 | 3.64# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55725.D
Acq On : 18 Dec 2024 3:40 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2133,20,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 00:30:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

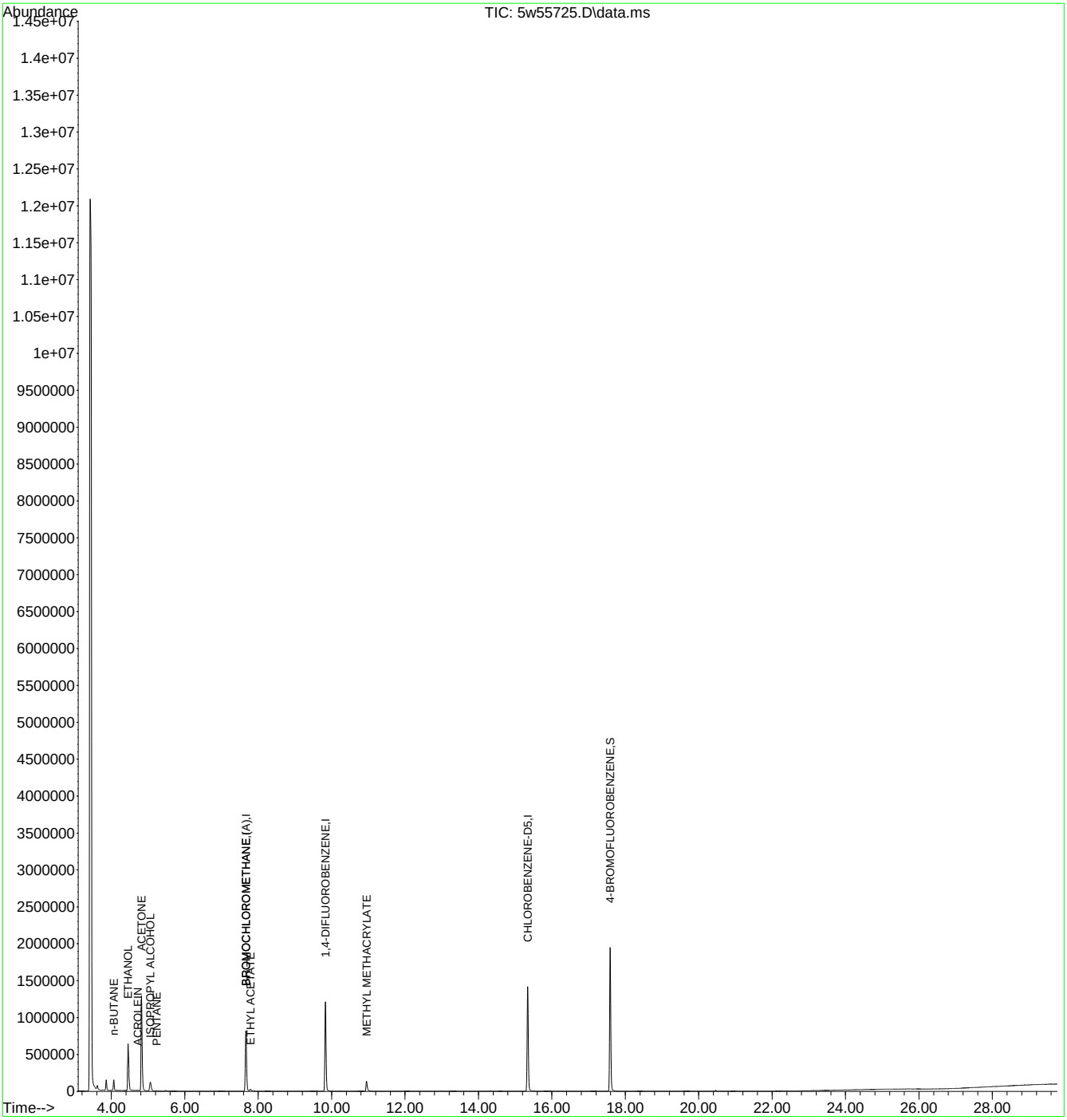
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 201759 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 999601 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 548542 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 201759 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 675004 | 11.00 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) n-BUTANE | 4.066 | 43 | 123936 | 2.8754 | PPBV | 96 |
| 18) ACROLEIN | 4.720 | 56 | 1412 | 0.1299 | PPBV # | 37 |
| 22) ISOPROPYL ALCOHOL | 5.057 | 45 | 228742 | 5.2985 | PPBV | 94 |
| 23) ACETONE | 4.818 | 58 | 449914 | 27.6485 | PPBV # | 78 |
| 24) PENTANE | 5.234 | 42 | 4068 | 0.1897 | PPBV | 91 |
| 28) ETHANOL | 4.457 | 45 | 823764 | 52.0638 | PPBV | 99 |
| 44) ETHYL ACETATE | 7.791 | 61 | 4921 | 0.7622 | PPBV # | 64 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 66791 | 2.7729 | PPBV | 81 |

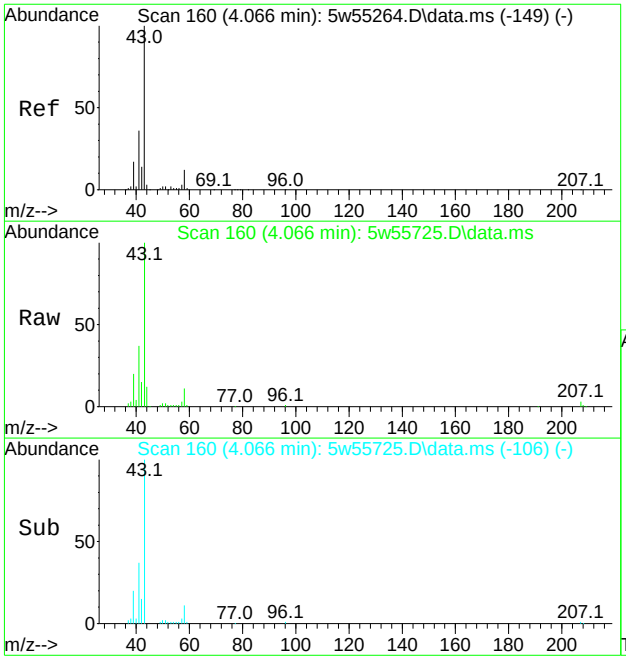
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\121924\v5w2133\
Data File : 5w55725.D
Acq On : 18 Dec 2024 3:40 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2133,20,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 19 00:30:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

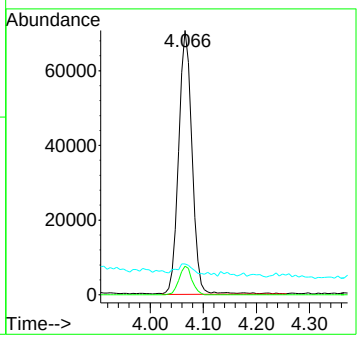


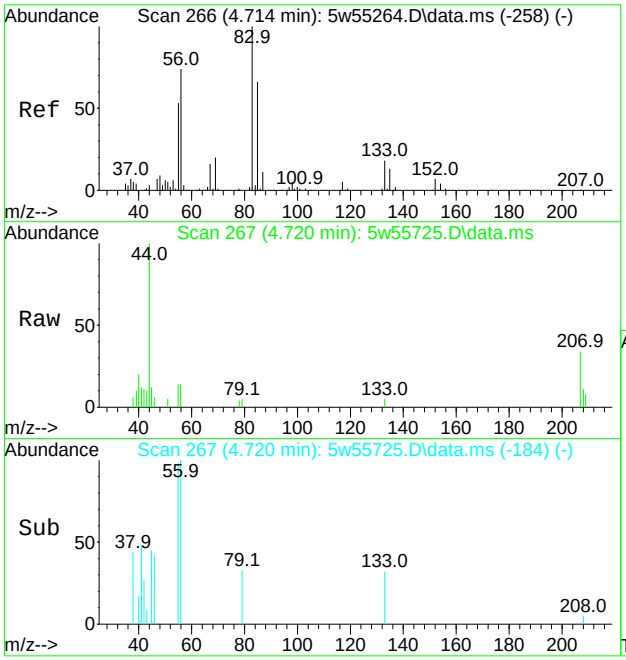



#13
n-BUTANE
Concen: 2.8754 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 43 Resp: 123936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 6.9 | 0.0 | 34.7 |

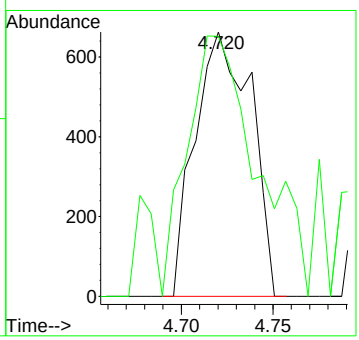


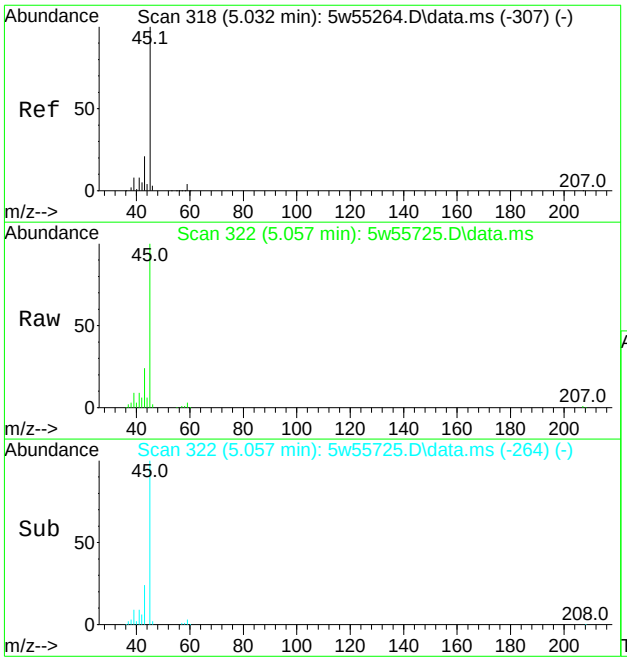




#18
ACROLEIN
Concen: 0.1299 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 56 Resp: 1412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 123.4 | 49.8 | 92.6# |

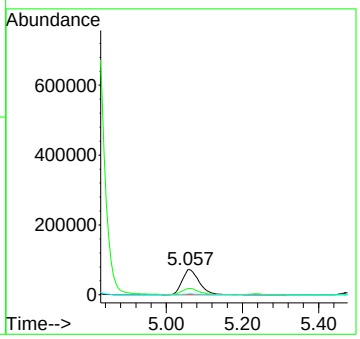


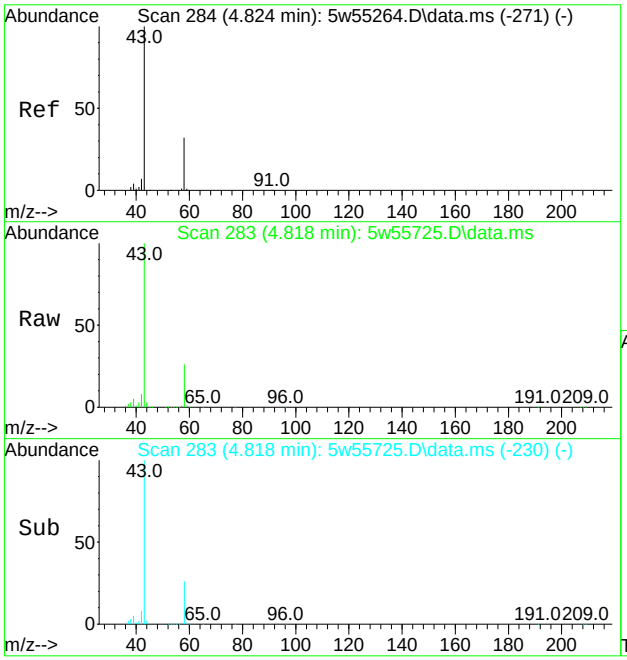



#22
ISOPROPYL ALCOHOL
Concen: 5.2985 PPBV
RT: 5.057 min Scan# 322
Delta R.T. 0.024 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 45 Resp: 228742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 24.1 | 0.0 | 50.8 |
| 59 | 3.3 | 0.0 | 33.8 |

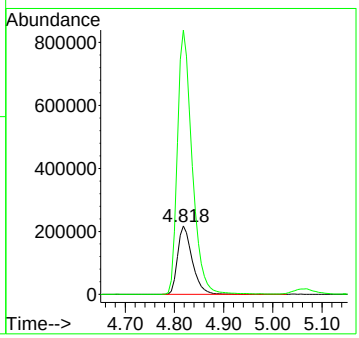


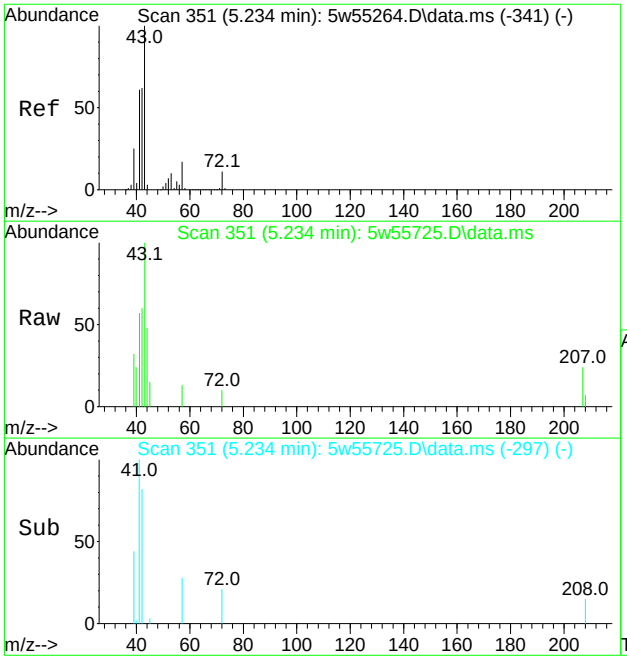




#23
ACETONE
Concen: 27.6485 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 58 Resp: 449914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 388.5 | 312.3 | 372.3# |

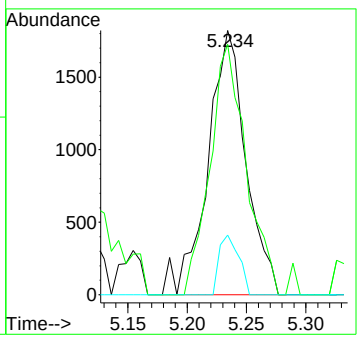


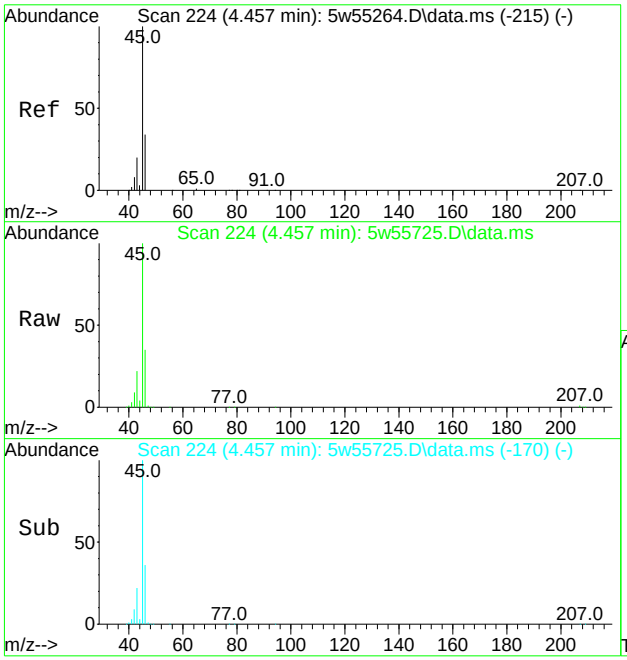



#24
PENTANE
Concen: 0.1897 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 42 Resp: 4068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 89.9 | 64.4 | 124.4 |
| 57 | 11.7 | 0.0 | 55.0 |

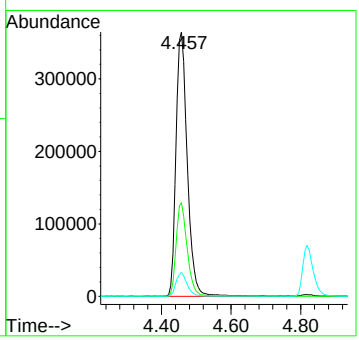


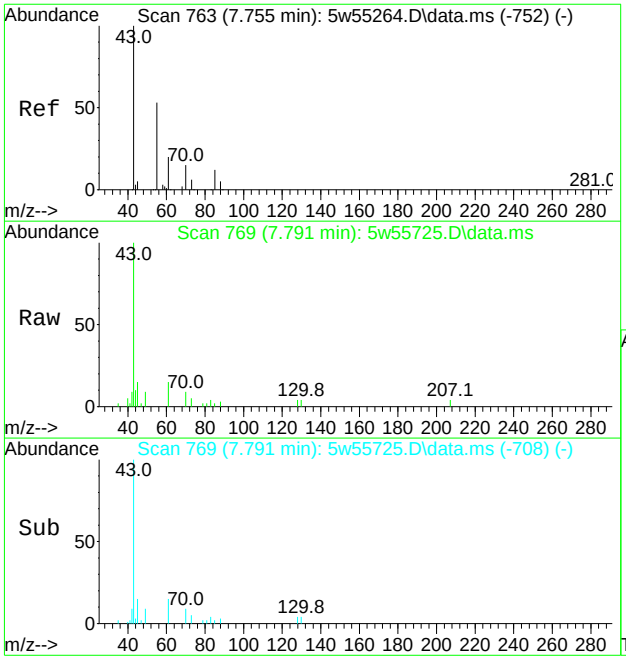




#28
ETHANOL
Concen: 52.0638 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 45 Resp: 823764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.8 | 4.5 | 64.5 |
| 42 | 8.9 | 0.0 | 38.6 |

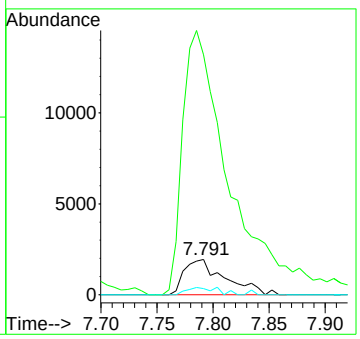


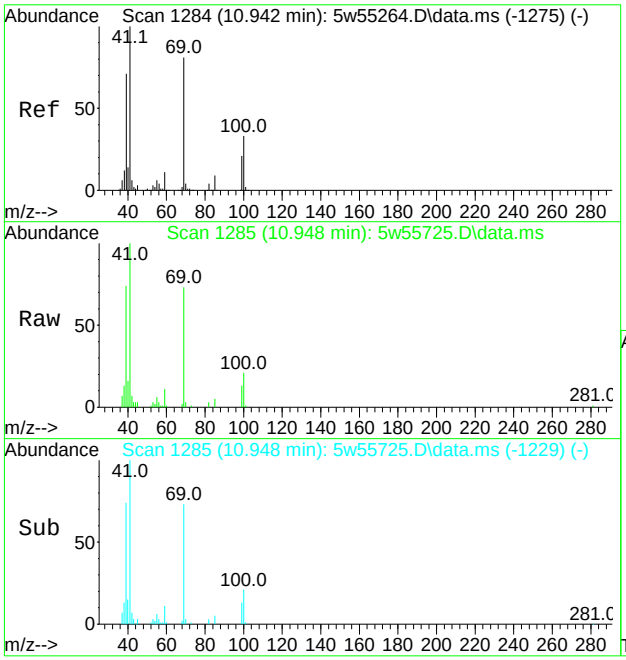



#44
ETHYL ACETATE
Concen: 0.7622 PPBV
RT: 7.791 min Scan# 769
Delta R.T. 0.043 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 61 Resp: 4921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 928.7 | 0.0 | 30.0# |
| 88 | 15.9 | 7.3 | 67.3 |

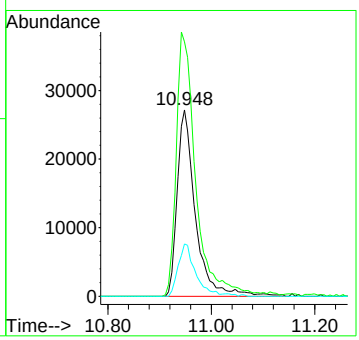



#63
METHYL METHACRYLATE
Concen: 2.7729 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55725.D
Acq: 18 Dec 2024 3:40 pm

Tgt Ion: 69 Resp: 66791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 151.7 | 97.3 | 157.3 |
| 100 | 27.3 | 3.0 | 63.0 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55770.D
Acq On : 20 Dec 2024 5:43 am
Operator : thomash
Sample : je2487-5 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 17:22:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

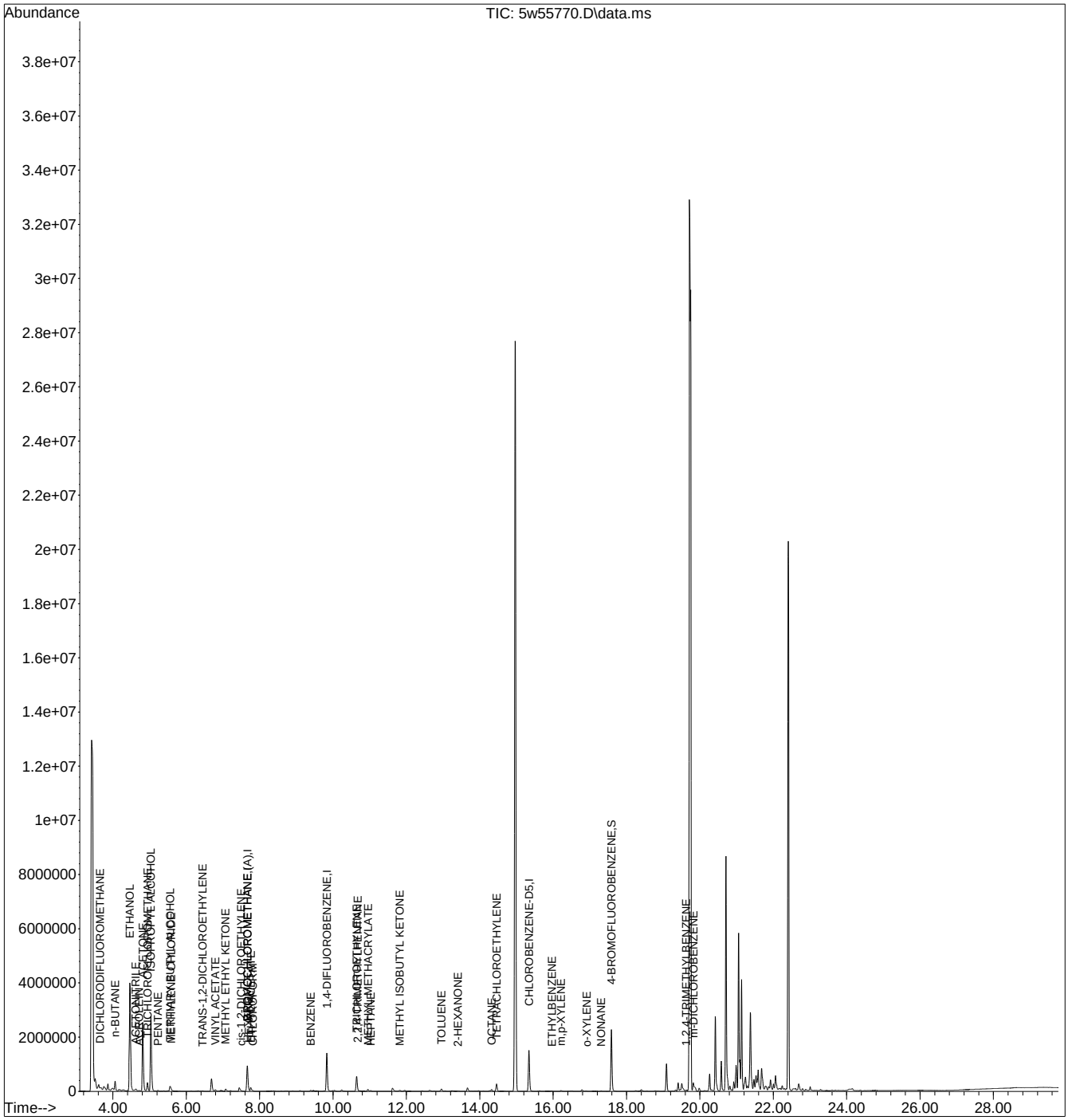
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 240627 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1181267 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 594136 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 240627 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 797543 | 11.99 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 119.90% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 48186 | 0.5480 | PPBV | 91 |
| 13) n-BUTANE | 4.059 | 43 | 248057 | 4.8254 | PPBV | 87 |
| 17) ACETONITRILE | 4.616 | 41 | 9061 | 0.3052 | PPBV # | 75 |
| 18) ACROLEIN | 4.708 | 56 | 11016 | 0.8496 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 246371 | 3.0318 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3869747 | 75.1581 | PPBV | 99 |
| 23) ACETONE | 4.812 | 58 | 882766 | 45.4858 | PPBV # | 80 |
| 24) PENTANE | 5.228 | 42 | 15033 | 0.5877 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 5395490 | 285.9254 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 15065 | 0.5969 | PPBV | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 5405 | 0.2031 | PPBV | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 236516 | 4.8833 | PPBV | 89 |
| 38) HEXANE | 7.699 | 57 | 22592 | 0.5992 | PPBV | 95 |
| 39) VINYL ACETATE | 6.794 | 86 | 4388 | 1.0182 | PPBV # | 71 |
| 41) METHYL ETHYL KETONE | 7.069 | 72 | 29718 | 2.8472 | PPBV | 89 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 3914 | 0.1417 | PPBV | 93 |
| 44) ETHYL ACETATE | 7.761 | 61 | 24335 | 3.1605 | PPBV # | 74 |
| 46) CHLOROFORM | 7.810 | 83 | 10426 | 0.1688 | PPBV | 94 |
| 52) BENZENE | 9.394 | 78 | 40168 | 0.4691 | PPBV | 99 |
| 55) TRICHLOROETHYLENE | 10.642 | 95 | 202867 | 4.4944 | PPBV | 91 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.673 | 57 | 22283 | 0.1714 | PPBV # | 65 |
| 62) HEPTANE | 11.028 | 43 | 16496 | 0.3632 | PPBV | 79 |
| 63) METHYL METHACRYLATE | 10.948 | 69 | 36780 | 1.2922 | PPBV | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.817 | 58 | 5226 | 0.2160 | PPBV # | 46 |
| 66) TOLUENE | 12.955 | 92 | 39365 | 0.6573 | PPBV | 95 |
| 71) 2-HEXANONE | 13.401 | 58 | 5974 | 0.2131 | PPBV # | 26 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 69908 | 1.8014 | PPBV | 85 |
| 76) OCTANE | 14.325 | 43 | 35057 | 0.6718 | PPBV | 89 |
| 79) ETHYLBENZENE | 15.964 | 91 | 12211 | 0.1115 | PPBV | 93 |
| 80) m,p-XYLENE | 16.209 | 106 | 12437 | 0.2992 | PPBV | 95 |
| 81) o-XYLENE | 16.913 | 106 | 4832 | 0.1198 | PPBV | 86 |
| 83) NONANE | 17.304 | 43 | 11816 | 0.2170 | PPBV # | 91 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 10674 | 0.1033 | PPBV # | 34 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 36355 | 0.4469 | PPBV | 99 |

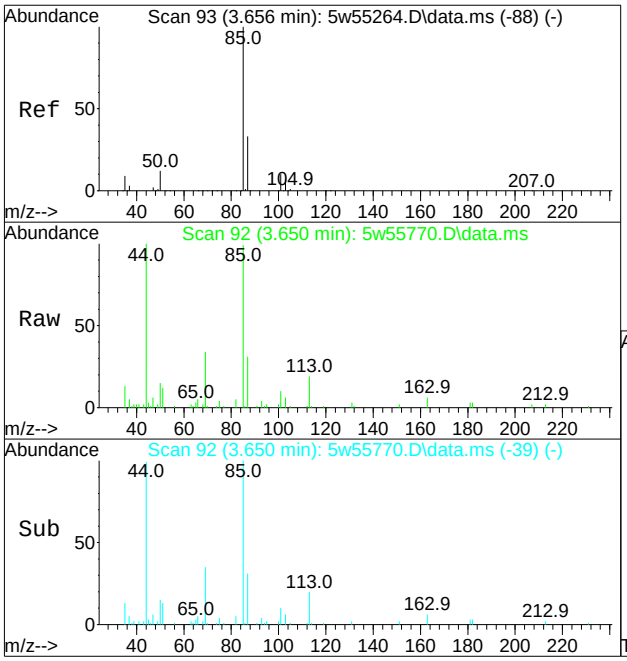
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55770.D
Acq On : 20 Dec 2024 5:43 am
Operator : thomash
Sample : je2487-5 Inst : GCMS5W
Misc : MS88104,V5W2135,400,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 17:22:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

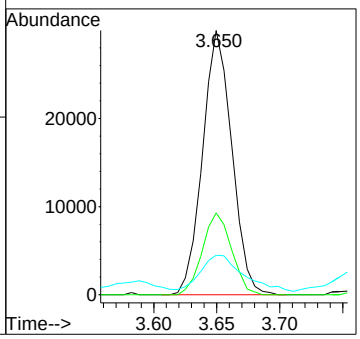


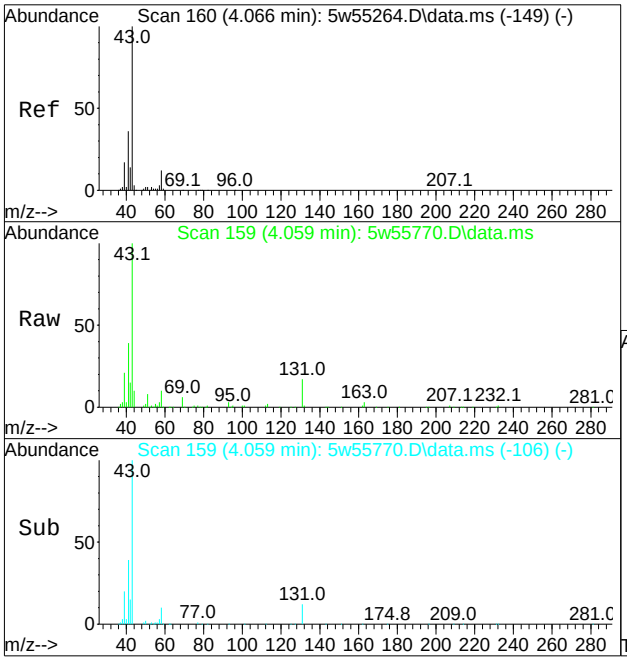



#6
DICHLORODIFLUOROMETHANE
Concen: 0.5480 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 85 Resp: 48186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 30.8 | 2.6 | 62.6 |
| 50 | 22.2 | 0.0 | 43.0 |

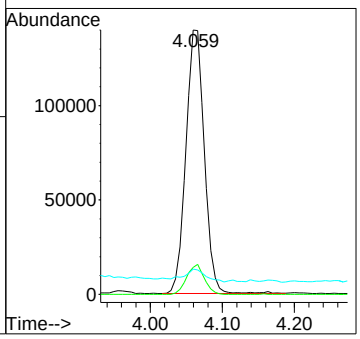


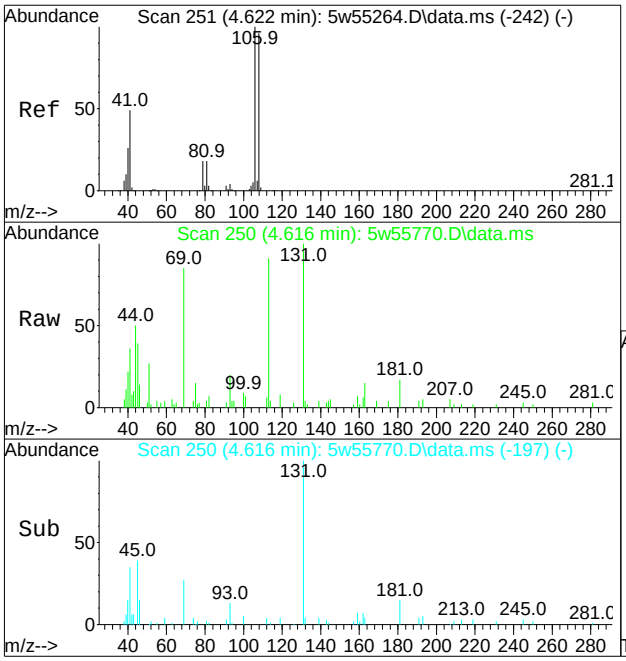




#13
n-BUTANE
Concen: 4.8254 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 248057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.9 | 0.0 | 41.6 |
| 44 | 17.8 | 0.0 | 34.7 |

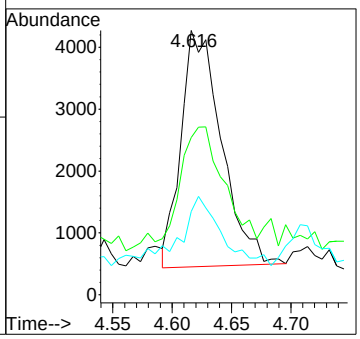


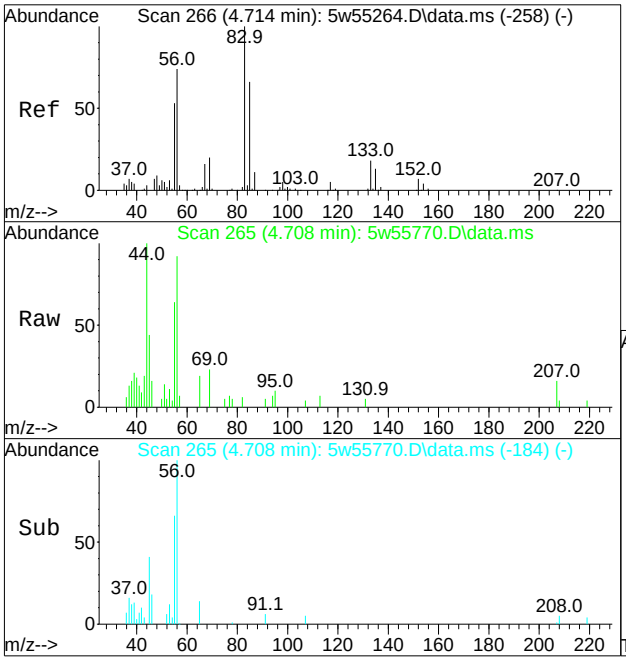



#17
ACETONITRILE
Concen: 0.3052 PPBV
RT: 4.616 min Scan# 250
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 41 Resp: 9061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 72.7 | 38.4 | 71.4# |
| 39 | 32.0 | 13.7 | 25.5# |

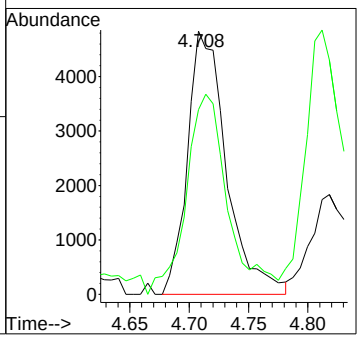


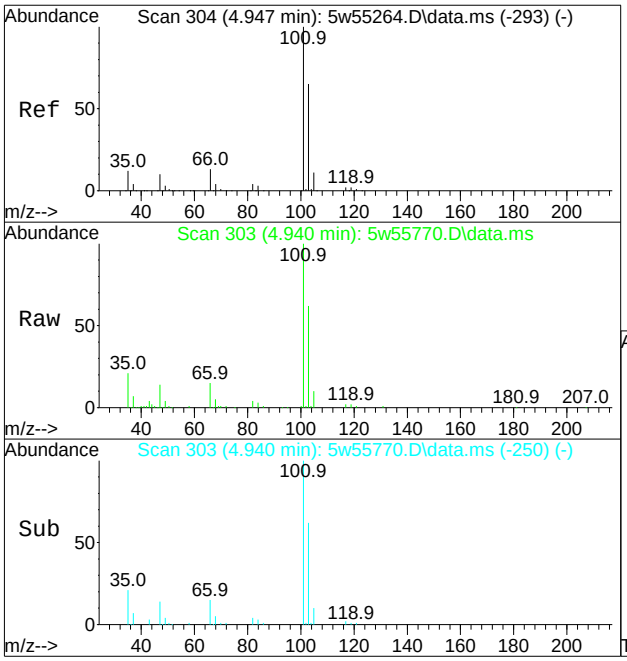




#18
ACROLEIN
Concen: 0.8496 PPBV
RT: 4.708 min Scan# 265
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 56 Resp: 11016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 81.2 | 49.8 | 92.6 |

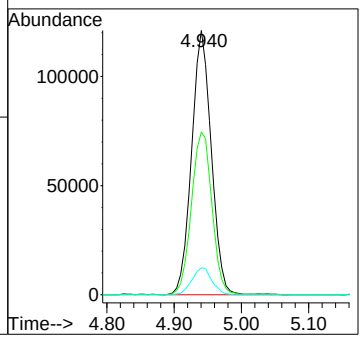


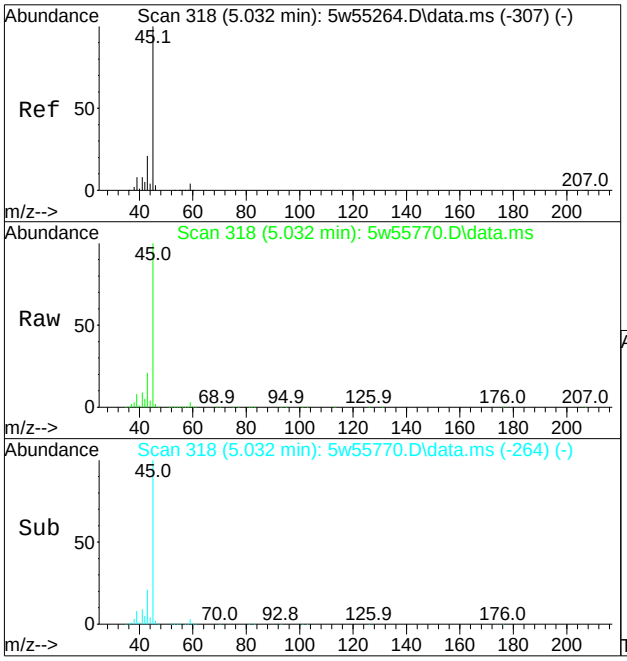



#21
TRICHLOROFLUOROMETHANE
Concen: 3.0318 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:101 Resp: 246371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 34.7 | 94.7 |
| 105 | 10.4 | 0.0 | 40.5 |

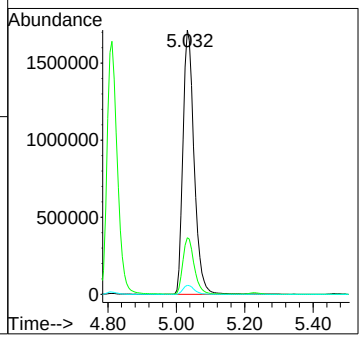


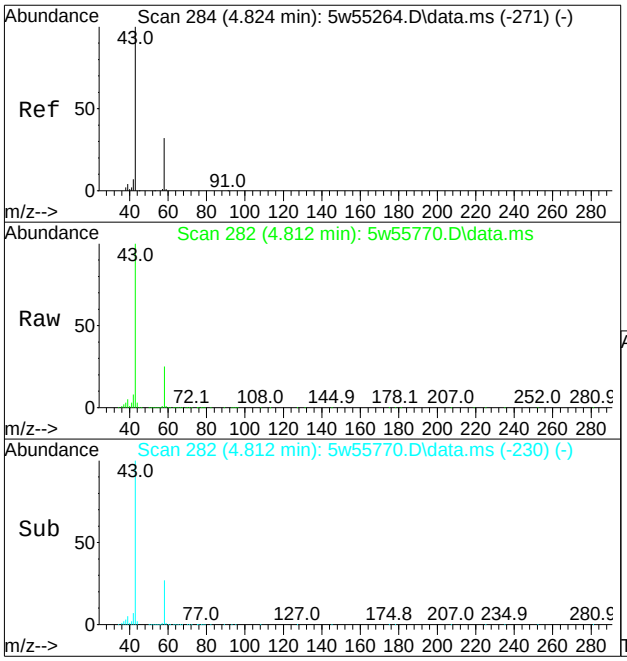




#22
ISOPROPYL ALCOHOL
Concen: 75.1581 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 45 Resp: 3869747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.4 | 0.0 | 50.8 |
| 59 | 3.4 | 0.0 | 33.8 |

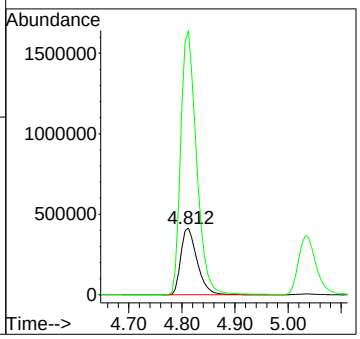


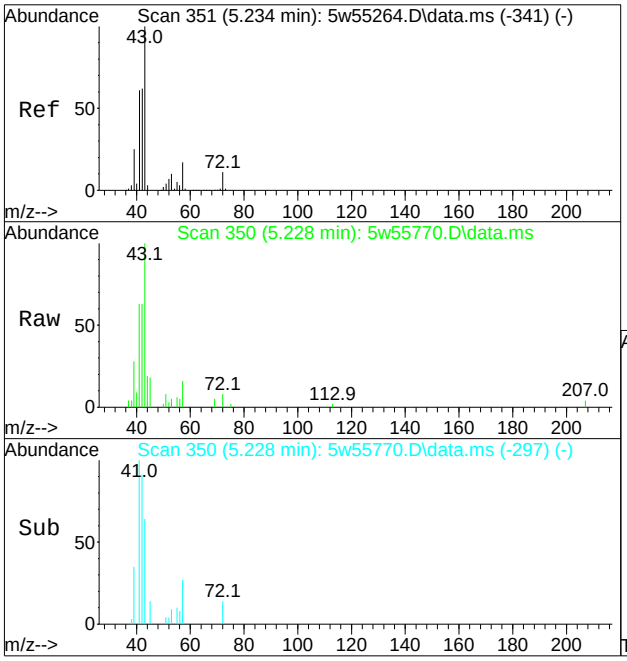



#23
ACETONE
Concen: 45.4858 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 882766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 384.7 | 312.3 | 372.3# |

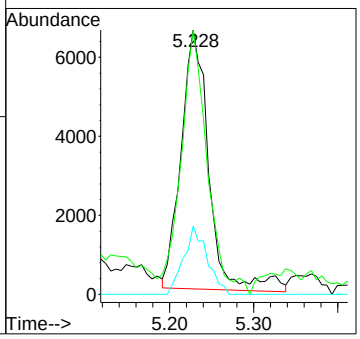


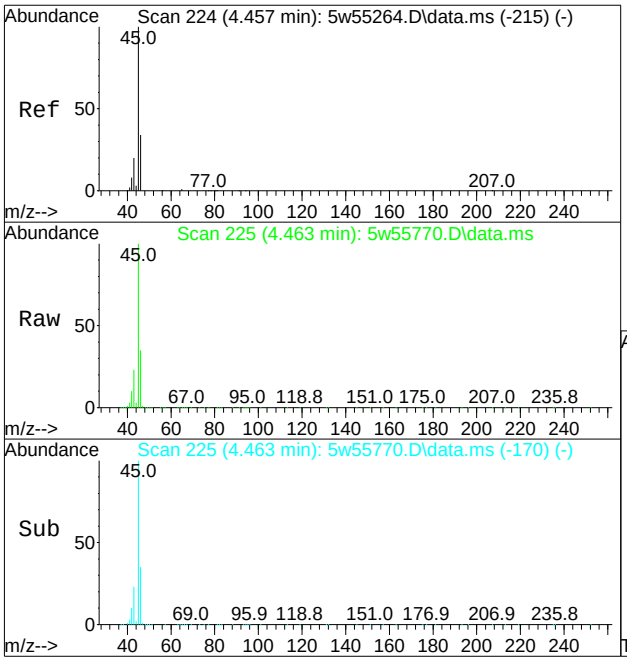




#24
PENTANE
Concen: 0.5877 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 42 Resp: 15033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.9 | 64.4 | 124.4 |
| 57 | 22.2 | 0.0 | 55.0 |

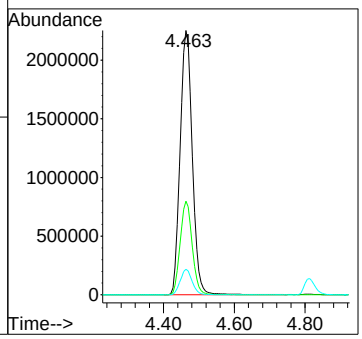


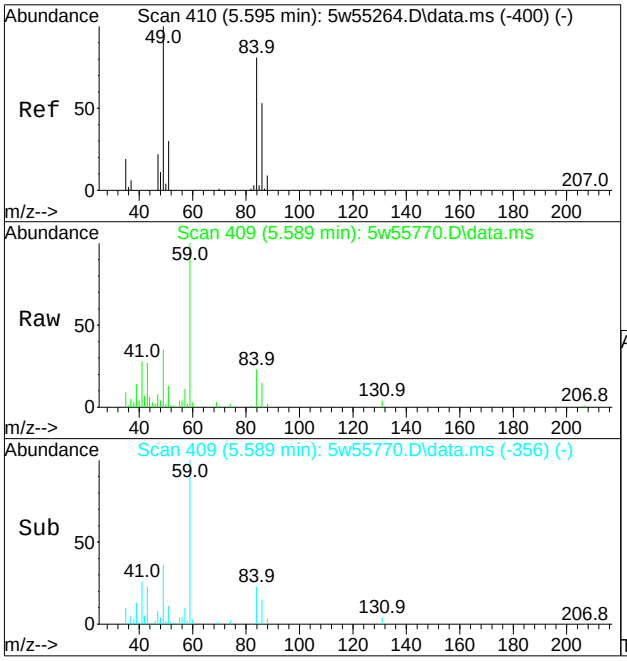



#28
ETHANOL
Concen: 285.9254 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 45 Resp: 5395490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.1 | 4.5 | 64.5 |
| 42 | 9.5 | 0.0 | 38.6 |

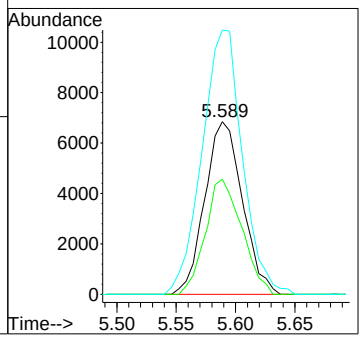


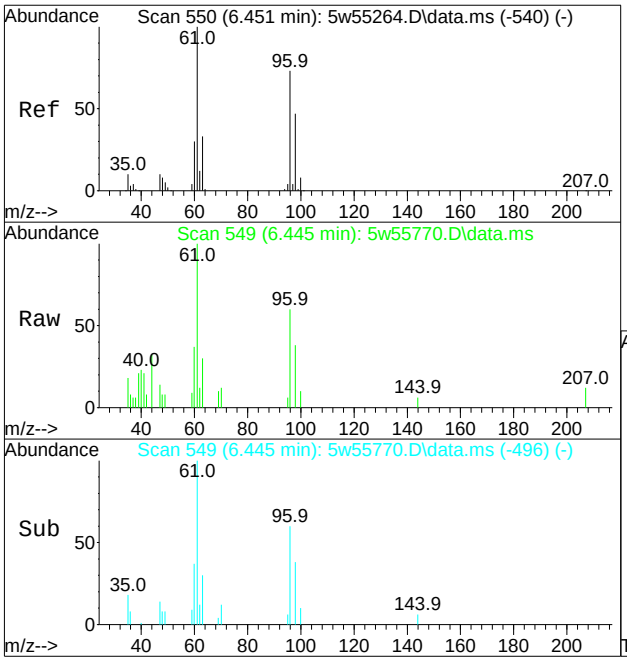




#31
METHYLENE CHLORIDE
Concen: 0.5969 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 84 Resp: 15065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.6 | 34.0 | 94.0 |
| 49 | 164.4 | 105.8 | 165.8 |

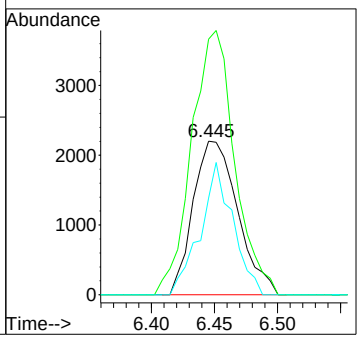


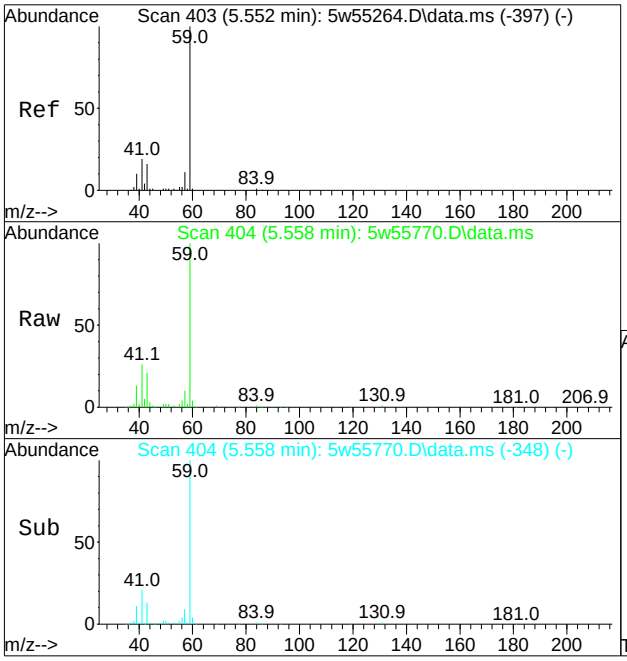



#34
TRANS-1,2-DICHLOROETHYLENE
Concen: 0.2031 PPBV
RT: 6.445 min Scan# 549
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 96 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.2 | 121.7 | 181.7 |
| 98 | 62.6 | 32.8 | 92.8 |

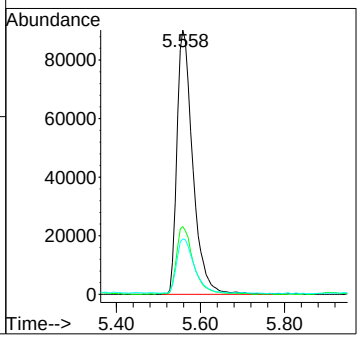


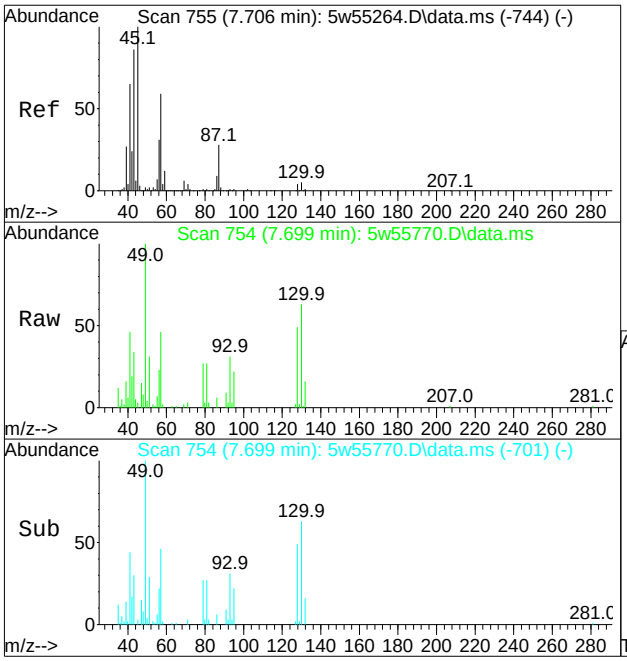




#35
TERTIARY BUTYL ALCOHOL
Concen: 4.8833 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 59 Resp: 236516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 27.6 | 0.0 | 53.1 |
| 43 | 22.4 | 0.0 | 47.1 |

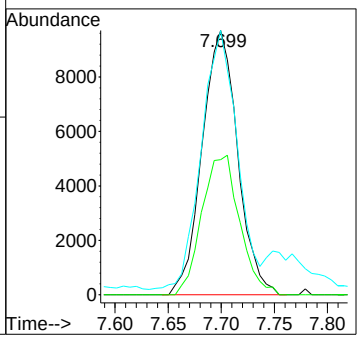


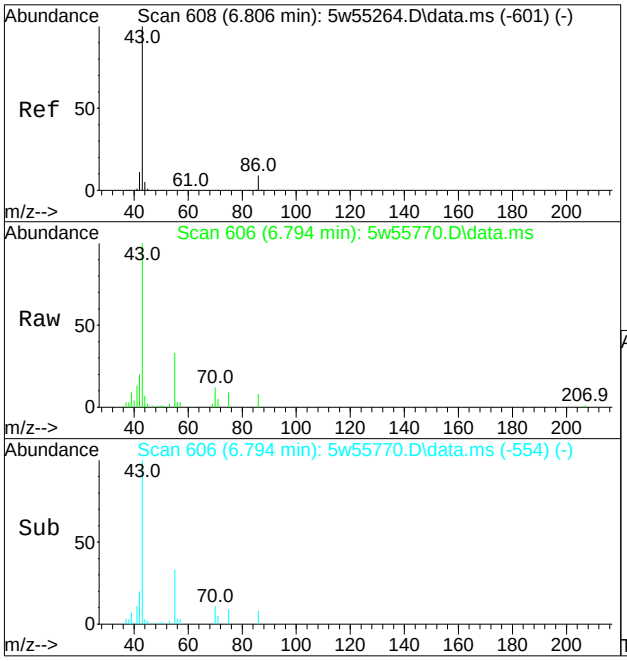



#38
HEXANE
Concen: 0.5992 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 57 Resp: 22592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.0 | 24.2 | 84.2 |
| 41 | 114.8 | 92.1 | 152.1 |

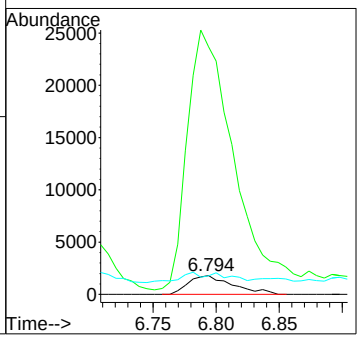


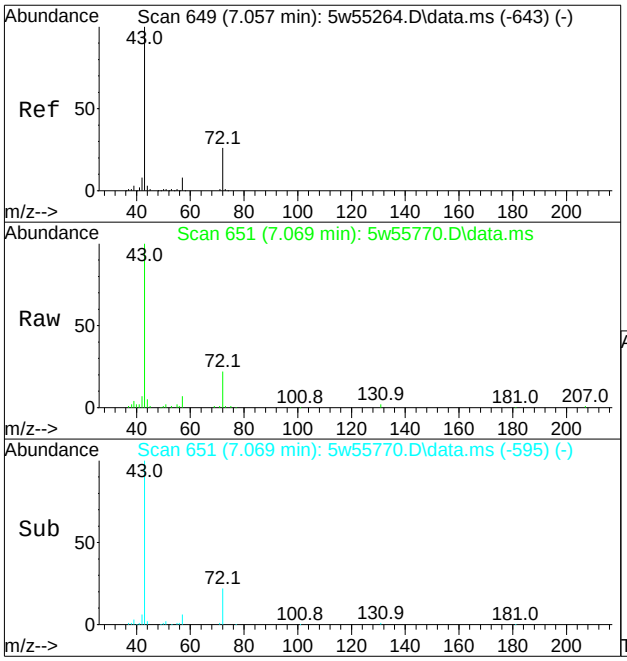




#39
VINYL ACETATE
Concen: 1.0182 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 86 Resp: 4388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1531.2 | 1335.5 | 1395.5# |
| 44 | 78.1 | 40.9 | 100.9 |

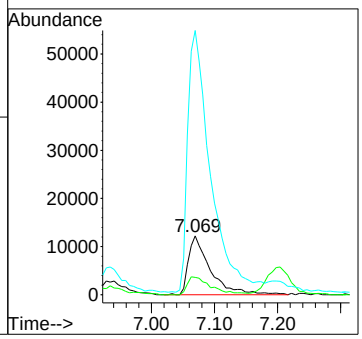


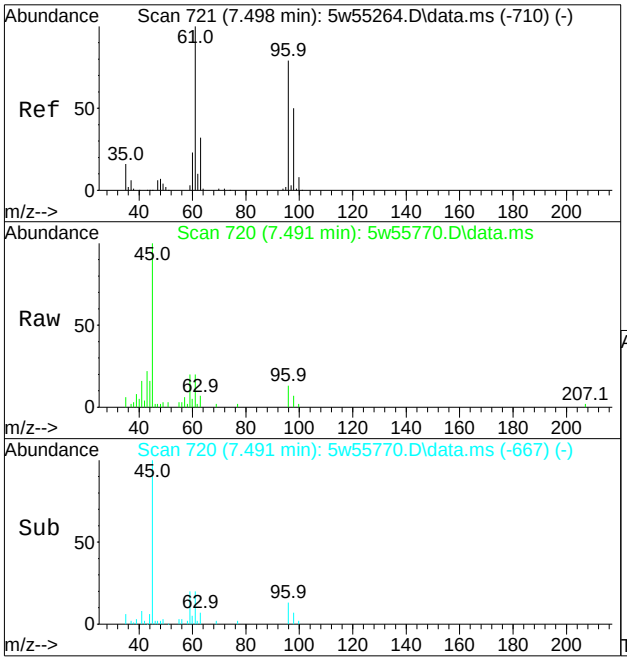



#41
METHYL ETHYL KETONE
Concen: 2.8472 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 72 Resp: 29718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 29.6 | 1.1 | 61.1 |
| 43 | 447.9 | 390.6 | 450.6 |

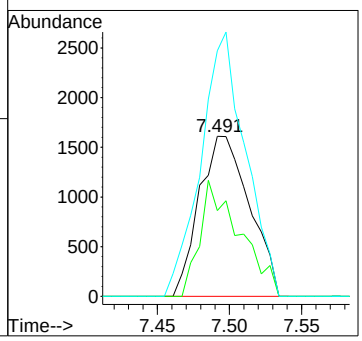


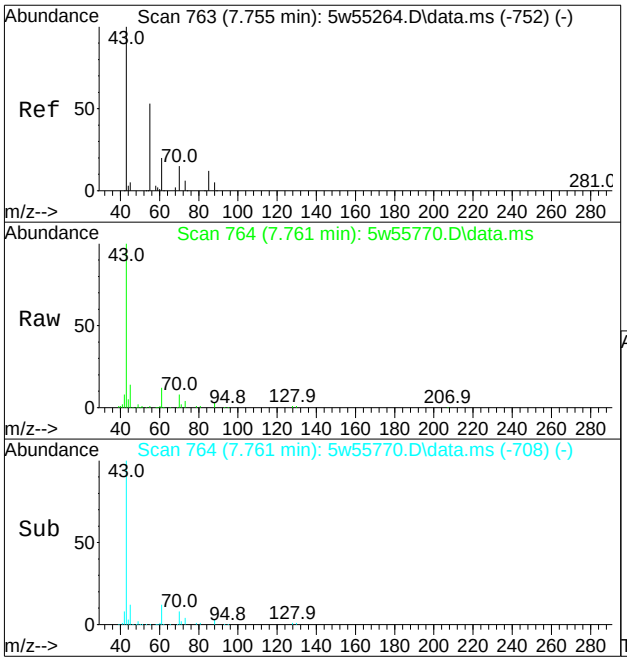




#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.1417 PPBV
RT: 7.491 min Scan# 720
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 96 Resp: 3914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 98 | 57.5 | 33.2 | 93.2 |
| 61 | 146.8 | 107.9 | 167.9 |

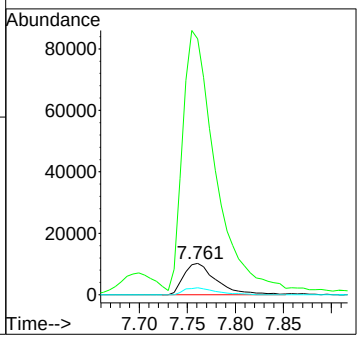


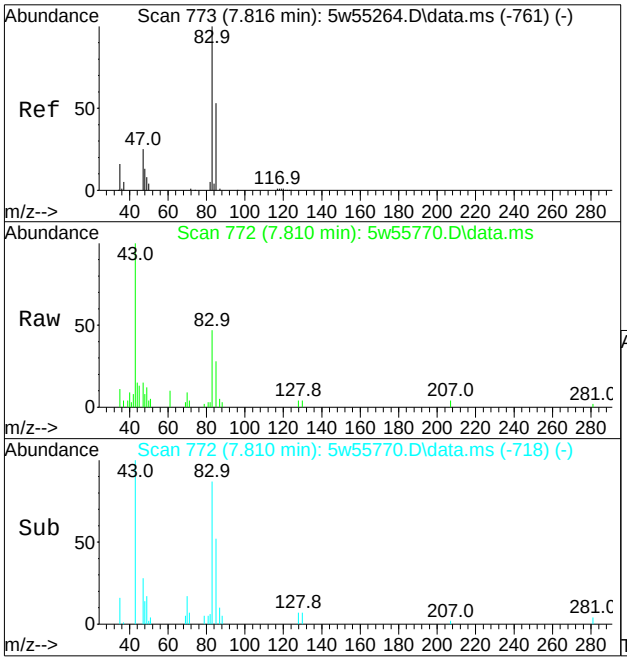



#44
ETHYL ACETATE
Concen: 3.1605 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 61 Resp: 24335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 878.8 | 0.0 | 30.0# |
| 88 | 21.6 | 7.3 | 67.3 |

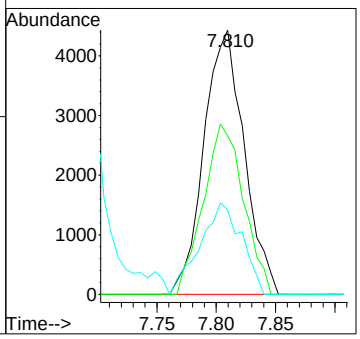


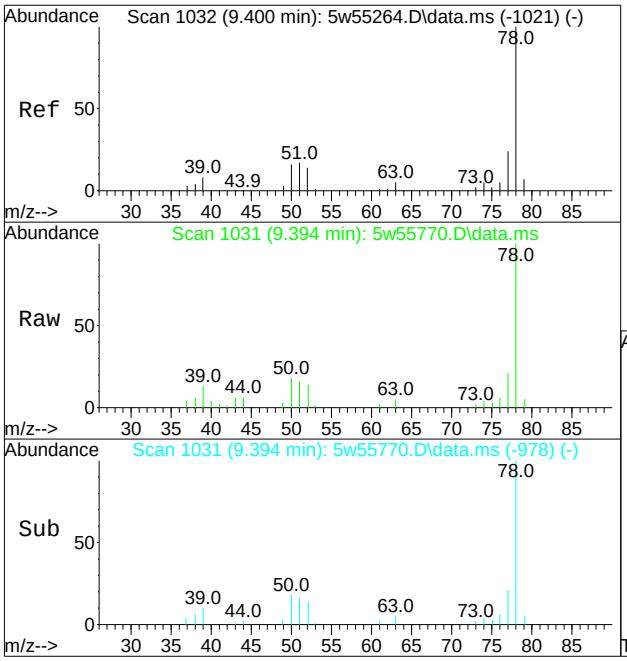




#46
CHLOROFORM
Concen: 0.1688 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 83 Resp: 10426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.4 | 35.5 | 95.5 |
| 47 | 36.0 | 0.0 | 56.8 |

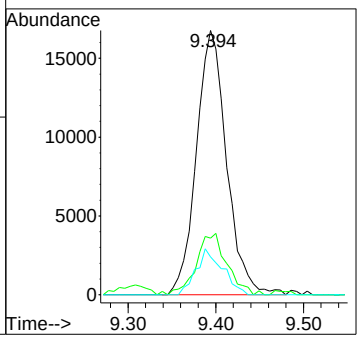


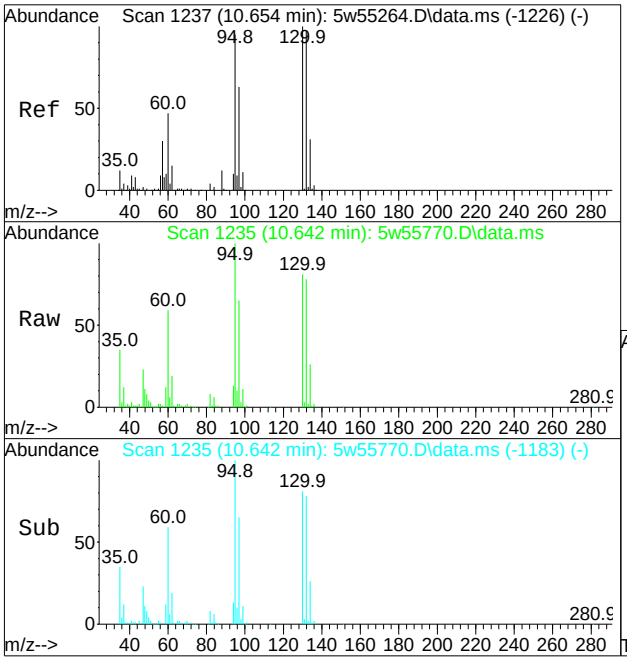



#52
BENZENE
Concen: 0.4691 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 78 Resp: 40168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.4 | 0.0 | 54.0 |
| 52 | 15.2 | 0.0 | 45.6 |

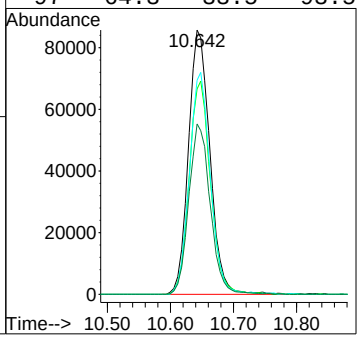


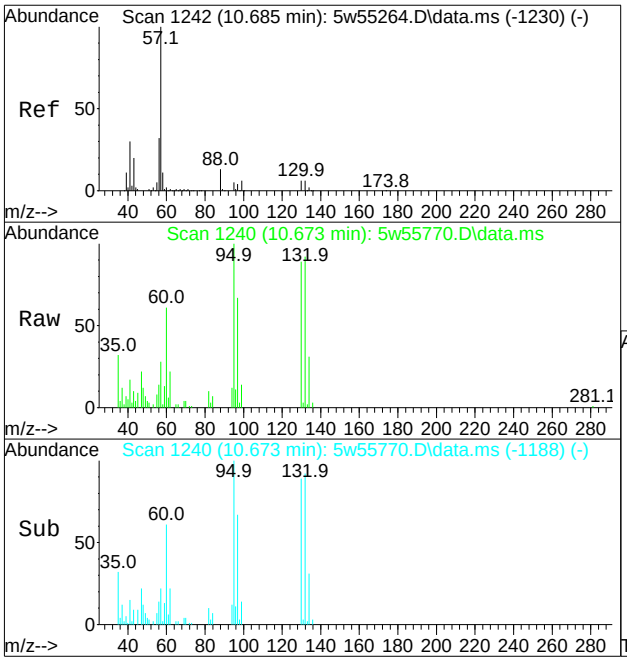




#55
TRICHLOROETHYLENE
Concen: 4.4944 PPBV
RT: 10.642 min Scan# 1235
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 95 Resp: 202867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 80.3 | 60.0 | 120.0 |
| 130 | 82.1 | 64.1 | 124.1 |
| 97 | 64.3 | 33.5 | 93.5 |

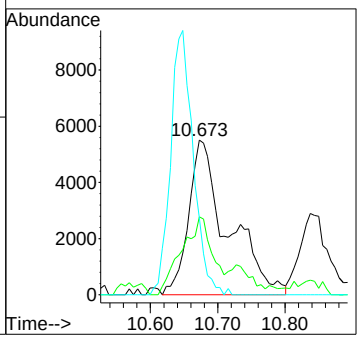


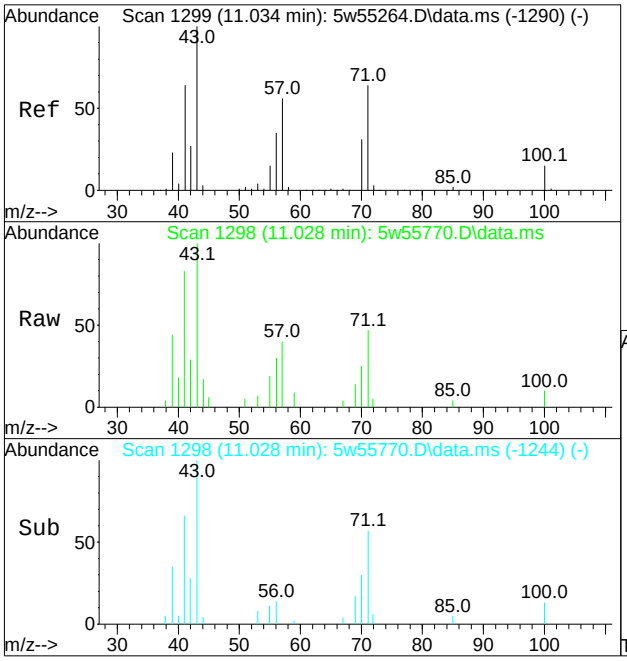



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1714 PPBV
RT: 10.673 min Scan# 1240
Delta R.T. -0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 57 Resp: 22283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.3 | 2.2 | 62.2 |
| 99 | 0.0 | 0.0 | 37.6 |

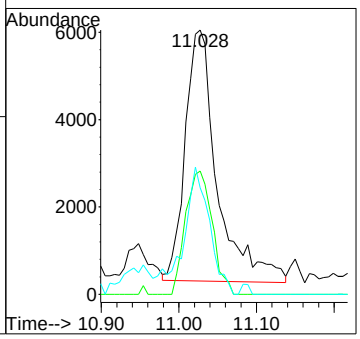


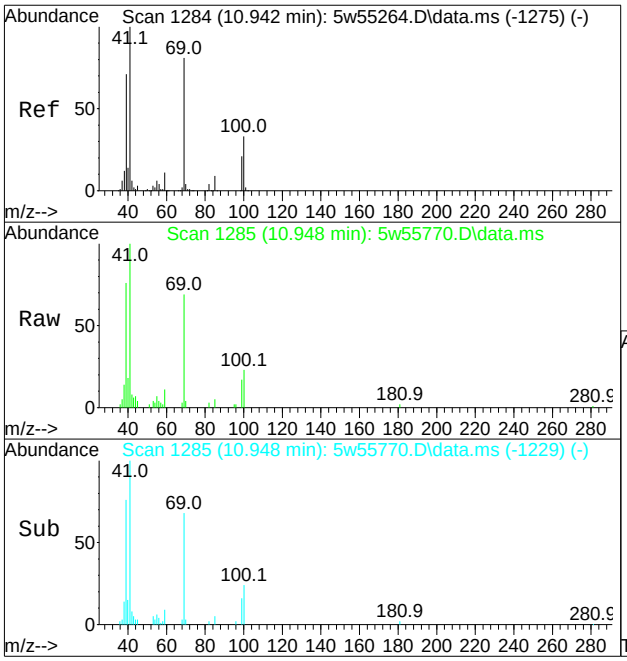




#62
HEPTANE
Concen: 0.3632 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 16496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 40.9 | 27.2 | 87.2 |
| 57 | 38.3 | 22.5 | 82.5 |

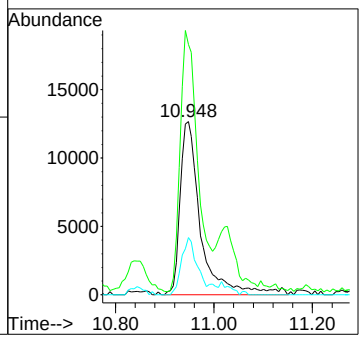


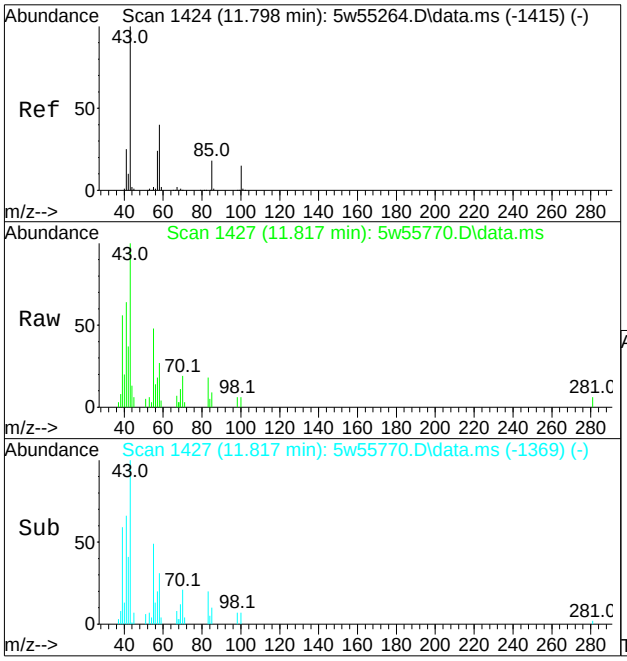



#63
METHYL METHACRYLATE
Concen: 1.2922 PPBV
RT: 10.948 min Scan# 1285
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 69 Resp: 36780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 131.1 | 97.3 | 157.3 |
| 100 | 30.9 | 3.0 | 63.0 |

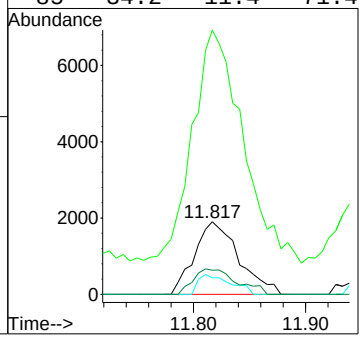


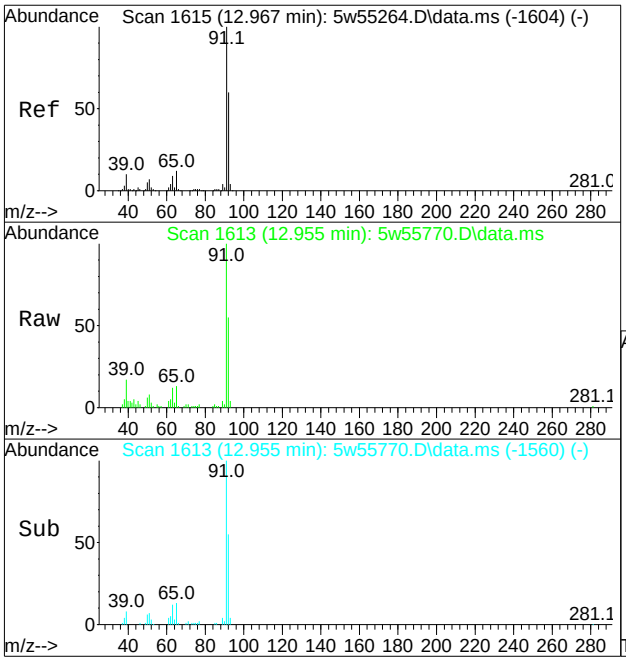




#64
METHYL ISOBUTYL KETONE
Concen: 0.2160 PPBV
RT: 11.817 min Scan# 1427
Delta R.T. 0.024 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 5226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 384.2 | 236.1 | 296.1# |
| 100 | 19.9 | 0.7 | 60.7 |
| 85 | 34.2 | 11.4 | 71.4 |

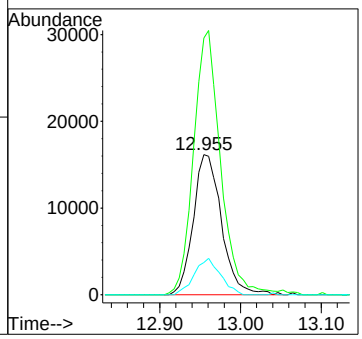


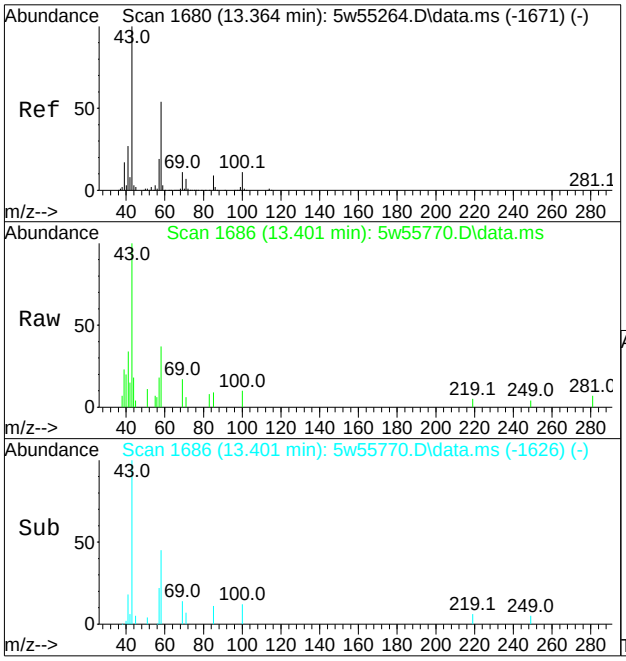



#66
TOLUENE
Concen: 0.6573 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 92 Resp: 39365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.2 | 143.4 | 203.4 |
| 65 | 24.1 | 0.0 | 53.8 |

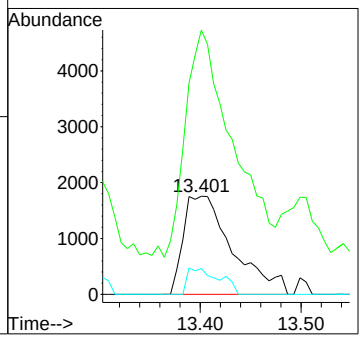


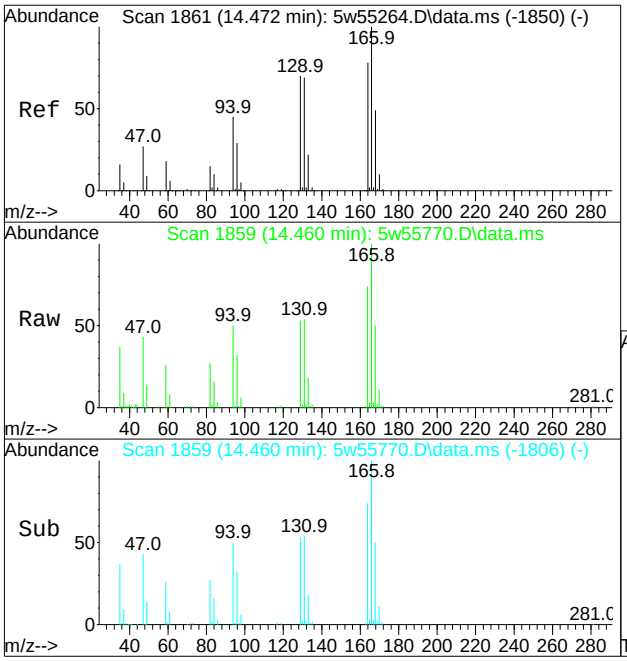




#71
2-HEXANONE
Concen: 0.2131 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 58 Resp: 5974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 307.1 | 159.0 | 219.0# |
| 100 | 17.2 | 0.0 | 47.8 |

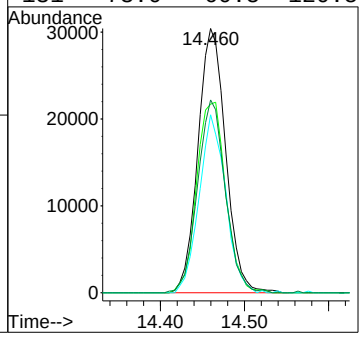


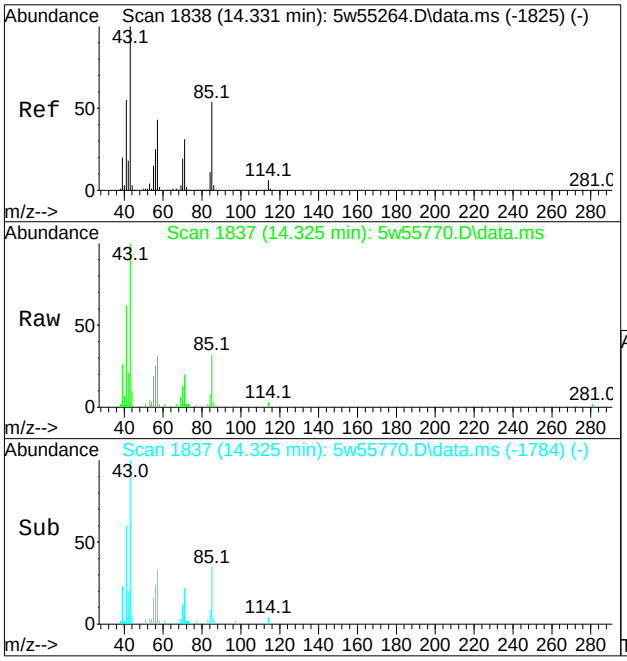



#73
TETRACHLOROETHYLENE
Concen: 1.8014 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:164 Resp: 69908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.7 | 64.4 | 124.4 |
| 168 | 64.4 | 31.2 | 91.2 |
| 131 | 73.0 | 60.5 | 120.5 |

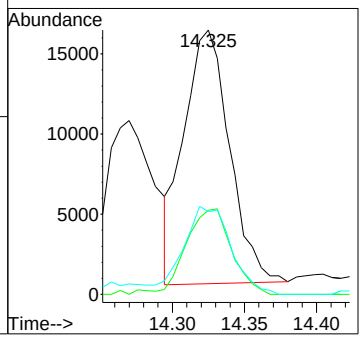


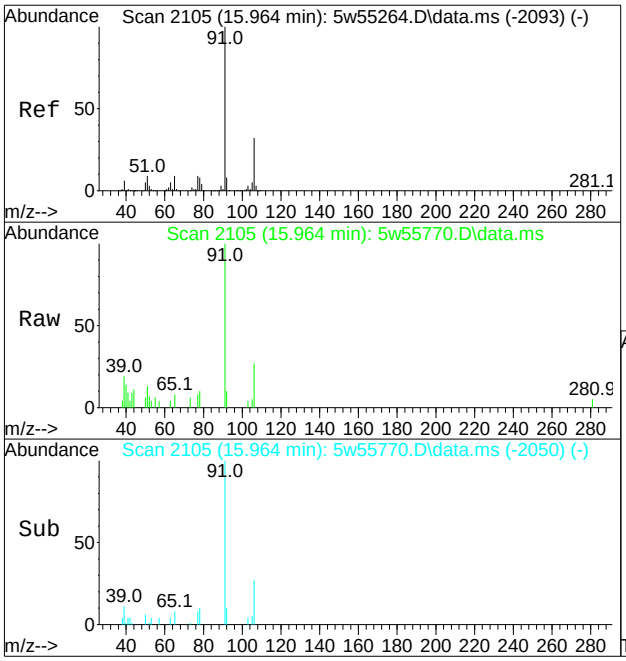




#76
OCTANE
Concen: 0.6718 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 35057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 33.9 | 13.7 | 73.7 |
| 57 | 35.6 | 9.9 | 69.9 |

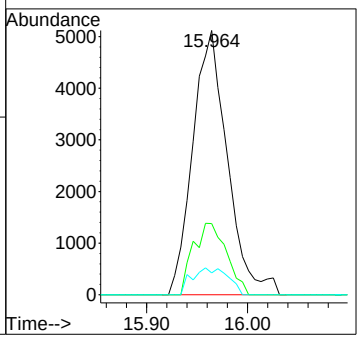


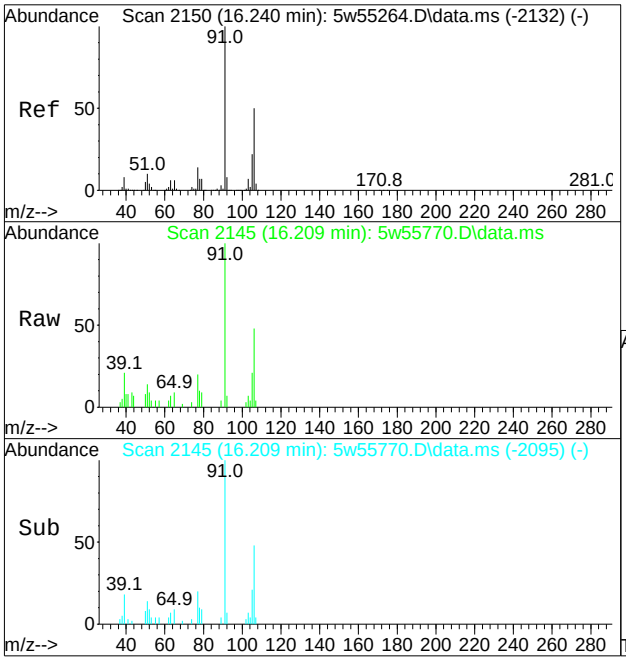



#79
ETHYLBENZENE
Concen: 0.1115 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 91 Resp: 12211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.0 | 0.0 | 59.9 |
| 77 | 10.6 | 0.0 | 39.1 |

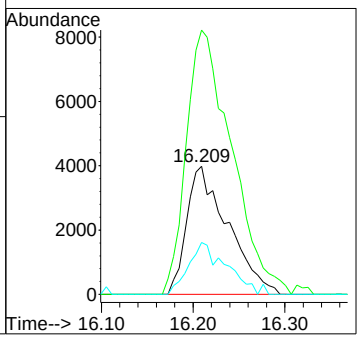


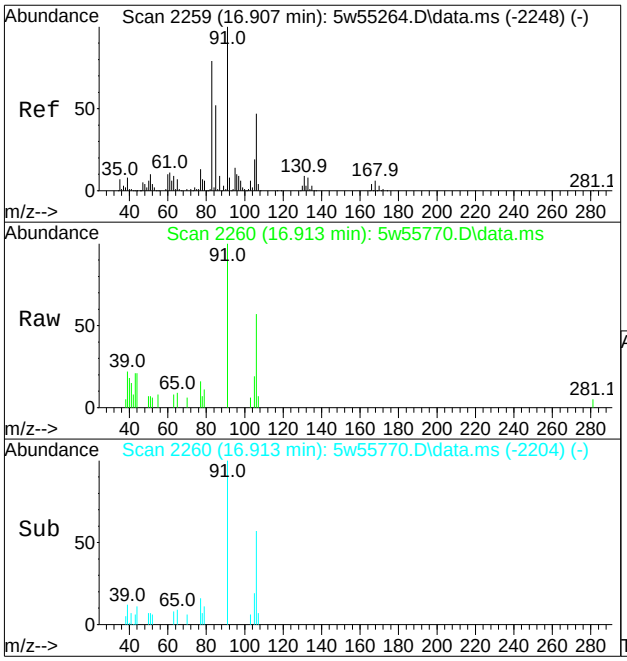




#80
m,p-XYLENE
Concen: 0.2992 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:106 Resp: 12437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 181.2 | 241.2 |
| 77 | 40.5 | 0.1 | 60.1 |

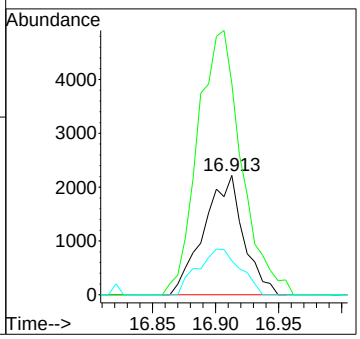


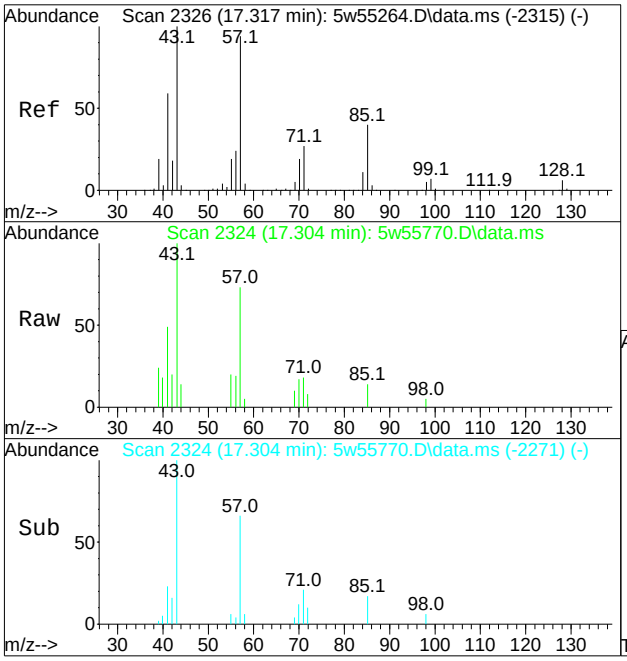



#81
o-XYLENE
Concen: 0.1198 PPBV
RT: 16.913 min Scan# 2260
Delta R.T. 0.012 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:106 Resp: 4832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 244.8 | 193.4 | 253.4 |
| 77 | 41.2 | 0.0 | 59.8 |

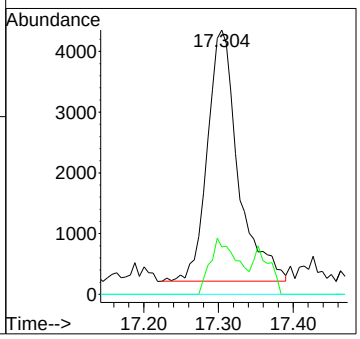


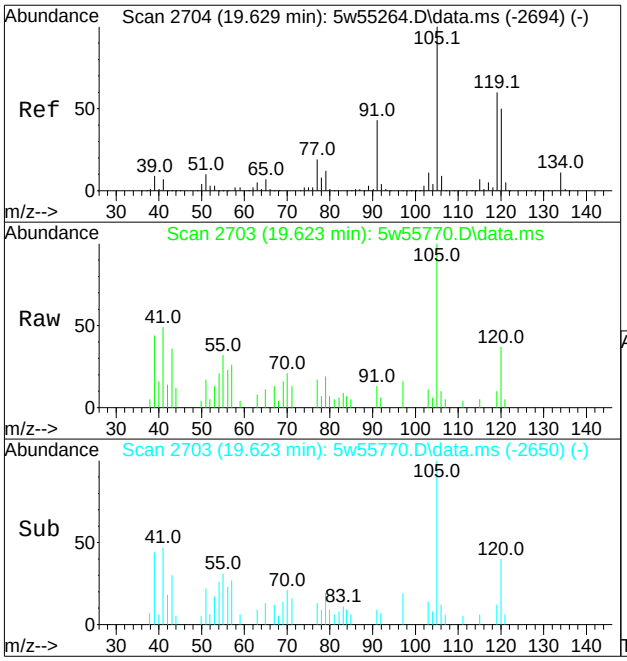




#83
NONANE
Concen: 0.2170 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion: 43 Resp: 11816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 20.0 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

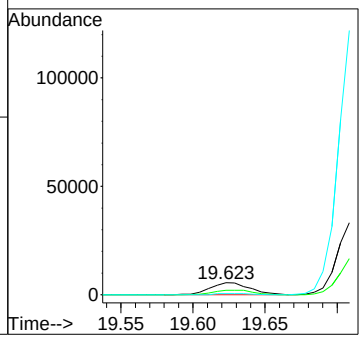


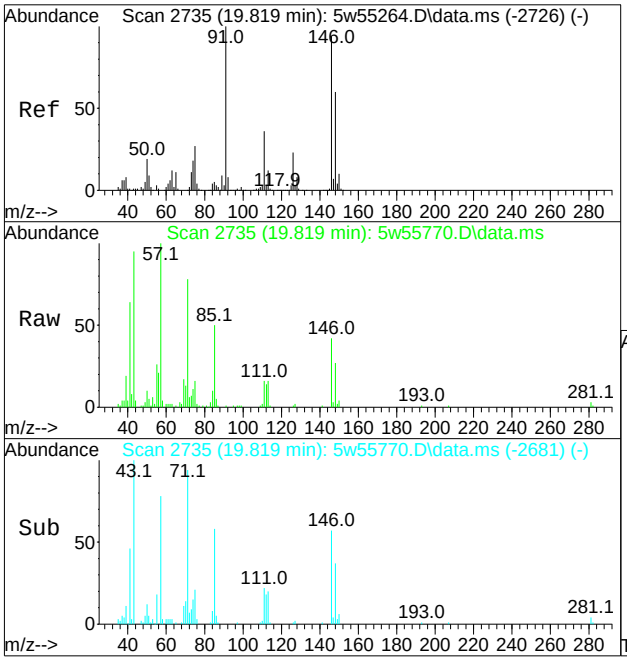



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1033 PPBV
RT: 19.623 min Scan# 2703
Delta R.T. -0.006 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:105 Resp: 10674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 38.4 | 22.6 | 82.6 |
| 119 | 9.3 | 69.7 | 129.7# |

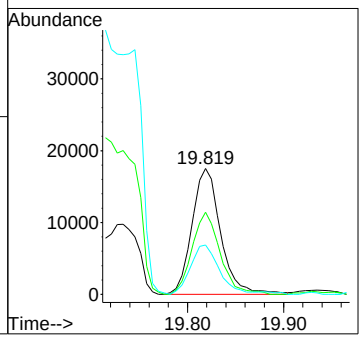



#97
m-DICHLOROBENZENE
Concen: 0.4469 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55770.D
Acq: 20 Dec 2024 5:43 am

Tgt Ion:146 Resp: 36355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 34.2 | 94.2 |
| 111 | 40.7 | 10.1 | 70.1 |



Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\24 Dec 2024\kristelv\v5w2138\
Data File : 5w55828.D
Acq On : 23 Dec 2024 5:34 pm
Operator : thomash
Sample : je2487-5
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 16:53:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

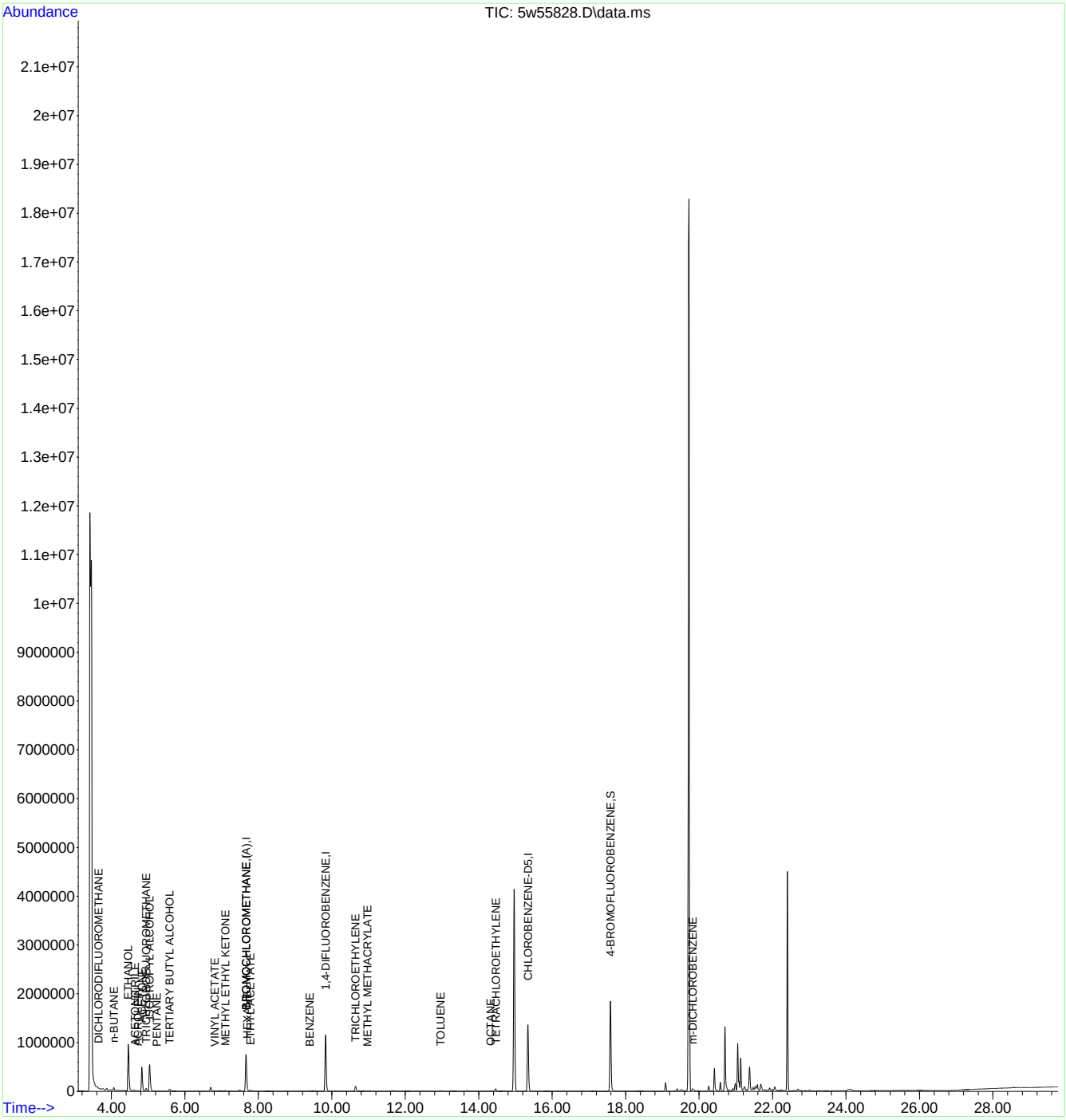
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 201543 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1000655 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 551430 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 201543 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 674976 | 10.94 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.40% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 8670 | 0.12 | PPBV | 91 |
| 13) n-BUTANE | 4.066 | 43 | 48340 | 1.12 | PPBV # | 94 |
| 17) ACETONITRILE | 4.641 | 41 | 3344 | 0.13 | PPBV # | 79 |
| 18) ACROLEIN | 4.726 | 56 | 1992 | 0.18 | PPBV | 78 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 46798 | 0.69 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.039 | 45 | 804653 | 18.66 | PPBV | 98 |
| 23) ACETONE | 4.824 | 58 | 174085 | 10.71 | PPBV | 93 |
| 24) PENTANE | 5.228 | 42 | 2988 | 0.14 | PPBV | 84 |
| 28) ETHANOL | 4.457 | 45 | 1215159 | 76.88 | PPBV | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.583 | 59 | 53521 | 1.32 | PPBV | 89 |
| 38) HEXANE | 7.700 | 57 | 4010 | 0.13 | PPBV | 91 |
| 39) VINYL ACETATE | 6.813 | 86 | 620 | 0.17 | PPBV # | 1 |
| 41) METHYL ETHYL KETONE | 7.100 | 72 | 5366 | 0.61 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.791 | 61 | 4149 | 0.64 | PPBV # | 68 |
| 52) BENZENE | 9.400 | 78 | 7566 | 0.10 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 40165 | 1.05 | PPBV | 93 |
| 63) METHYL METHACRYLATE | 10.967 | 69 | 5931 | 0.25 | PPBV # | 48 |
| 66) TOLUENE | 12.961 | 92 | 7372 | 0.15 | PPBV | 92 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 15453 | 0.43 | PPBV | 80 |
| 76) OCTANE | 14.319 | 43 | 11994 | 0.25 | PPBV | 63 |
| 97) m-DICHLOROBENZENE | 19.825 | 146 | 7513 | 0.10 | PPBV | 99 |

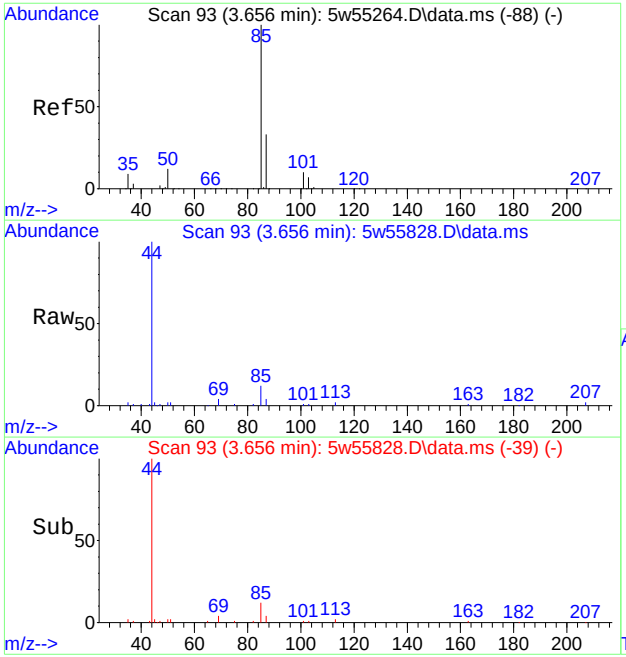
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\24 Dec 2024\kristelv\v5w2138\
Data File : 5w55828.D
Acq On : 23 Dec 2024 5:34 pm
Operator : thomash
Sample : je2487-5
Misc : MS88104,V5W2138,100,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 24 16:53:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

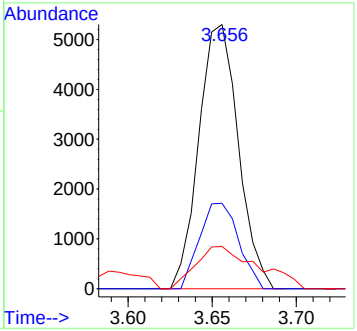


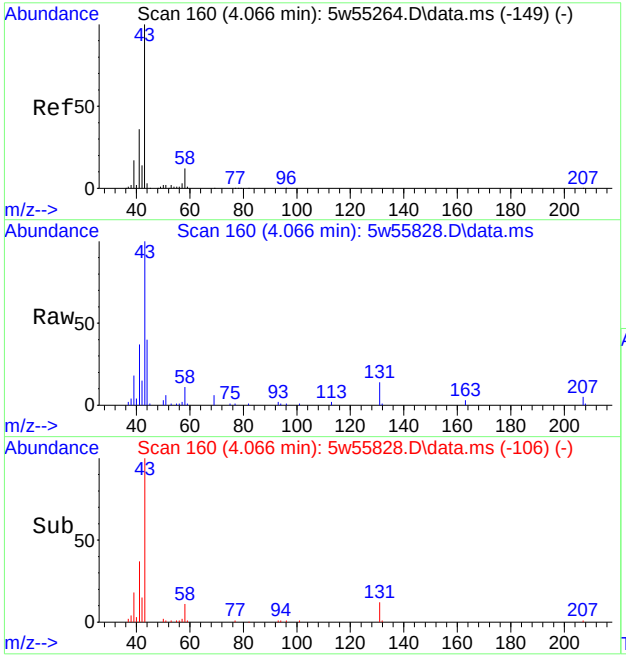



#6
DICHLORODIFLUOROMETHANE
Concen: 0.12 PPBV
RT: 3.656 min Scan# 93
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 85 Resp: 8670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 2.6 | 62.6 |
| 50 | 25.1 | 0.0 | 43.0 |

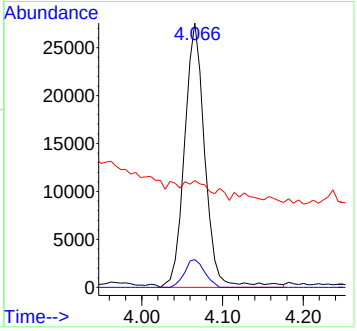


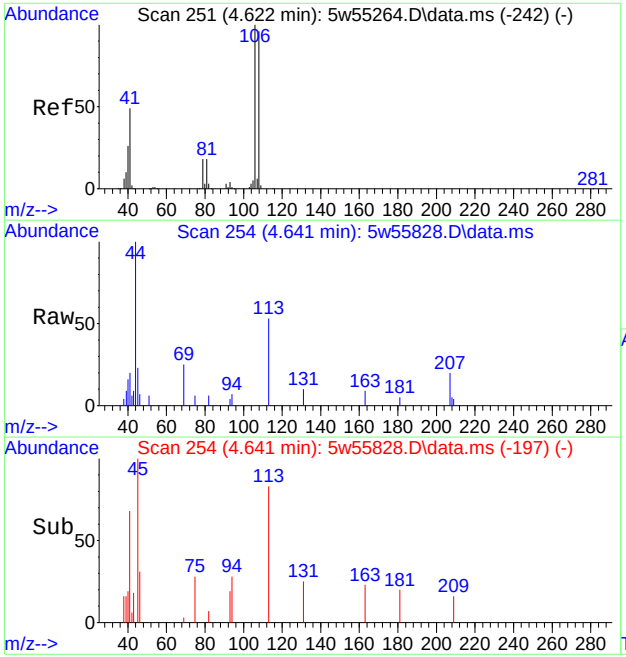




#13
n-BUTANE
Concen: 1.12 PPBV
RT: 4.066 min Scan# 160
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 43 Resp: 48340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.3 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

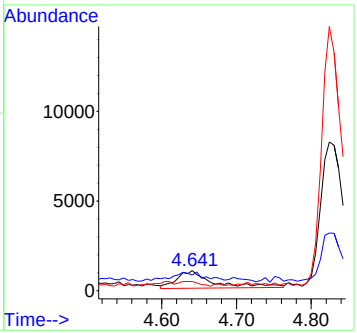


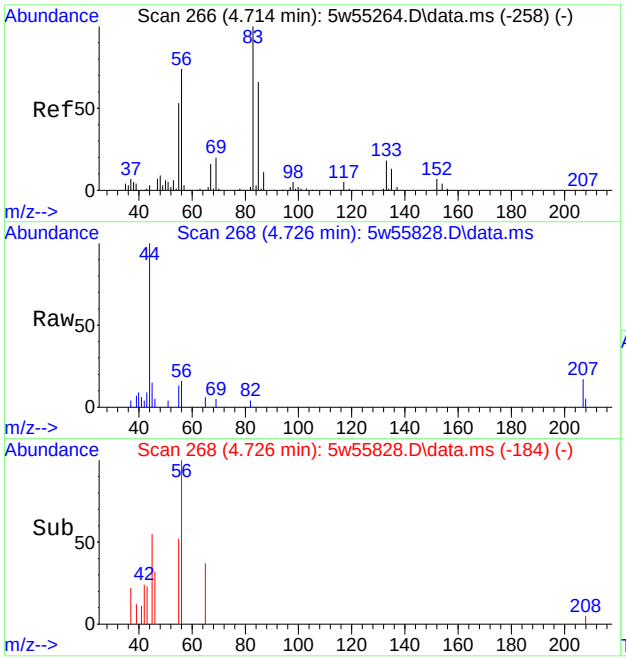



#17
ACETONITRILE
Concen: 0.13 PPBV
RT: 4.641 min Scan# 254
Delta R.T. 0.018 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 41 Resp: 3344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 45.7 | 38.4 | 71.4 |
| 39 | 0.0 | 13.7 | 25.5# |

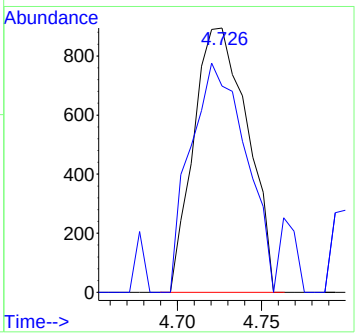


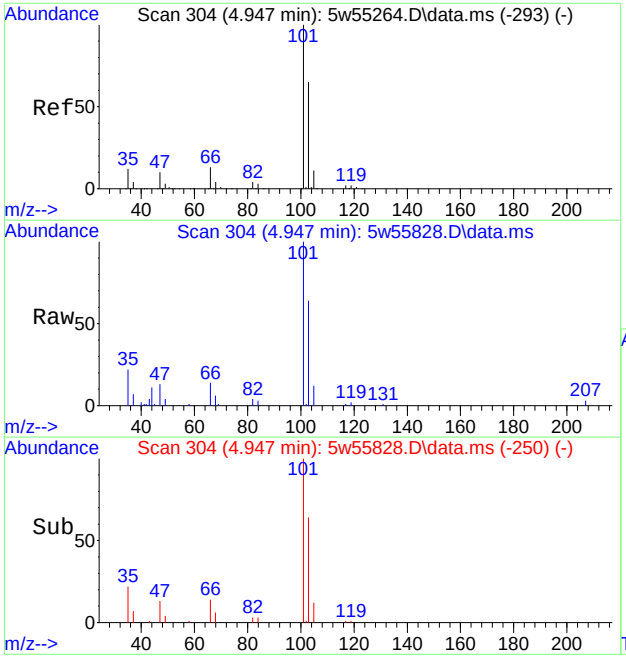




#18
ACROLEIN
Concen: 0.18 PPBV
RT: 4.726 min Scan# 268
Delta R.T. 0.012 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 56 Resp: 1992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 89.4 | 49.8 | 92.6 |

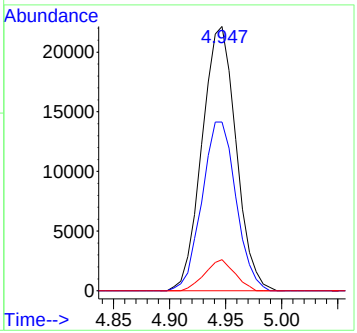


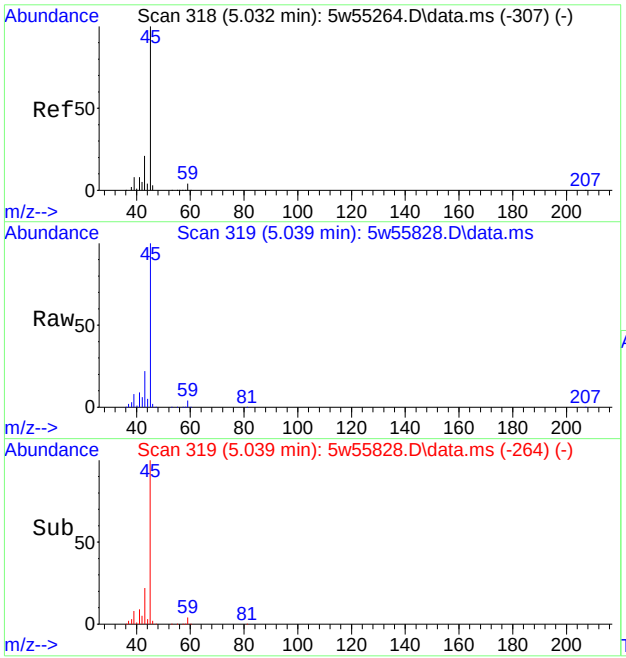



#21
TRICHLOROFLUOROMETHANE
Concen: 0.69 PPBV
RT: 4.947 min Scan# 304
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:101 Resp: 46798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.8 | 34.7 | 94.7 |
| 105 | 10.4 | 0.0 | 40.5 |

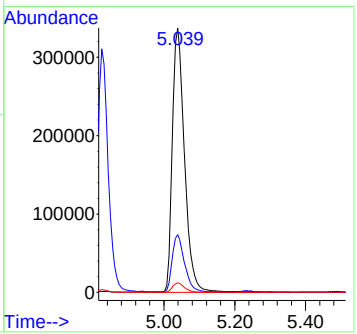


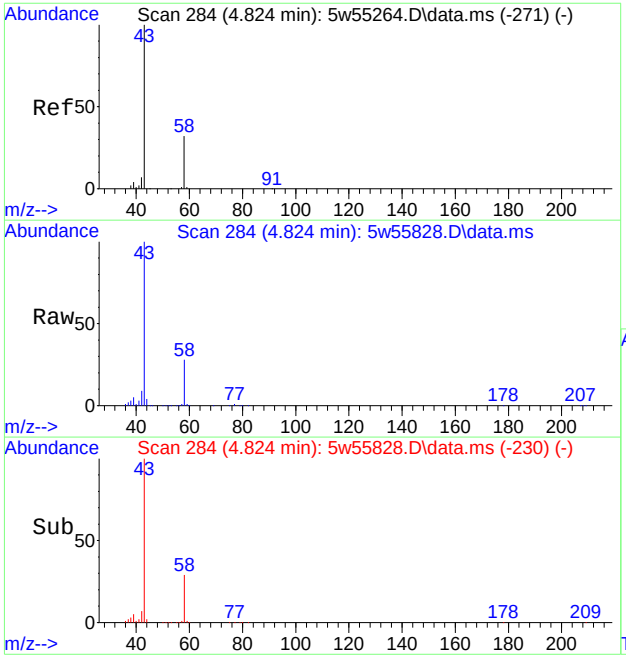




#22
ISOPROPYL ALCOHOL
Concen: 18.66 PPBV
RT: 5.039 min Scan# 319
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 45 Resp: 804653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.9 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

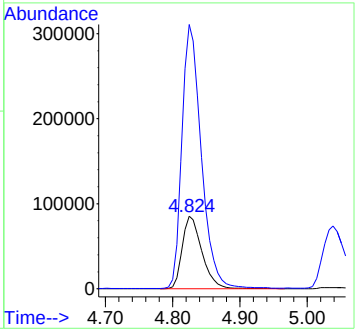


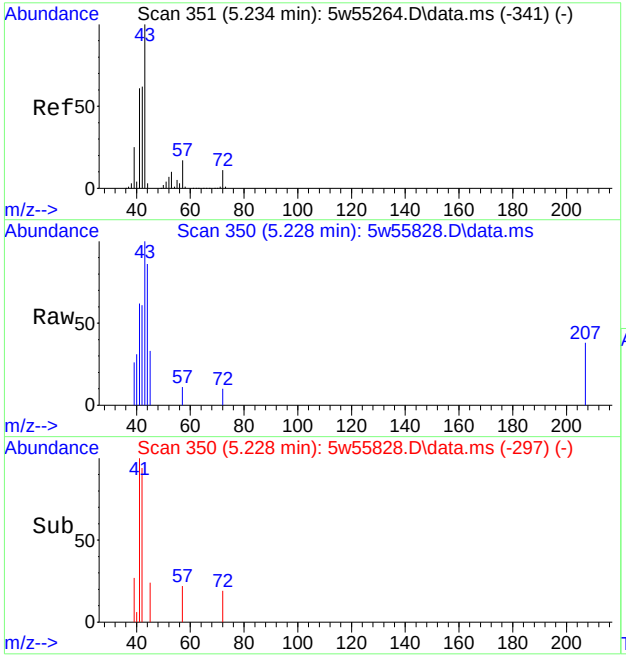



#23
ACETONE
Concen: 10.71 PPBV
RT: 4.824 min Scan# 284
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 58 Resp: 174085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 357.8 | 312.3 | 372.3 |

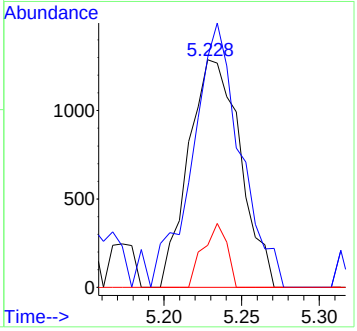


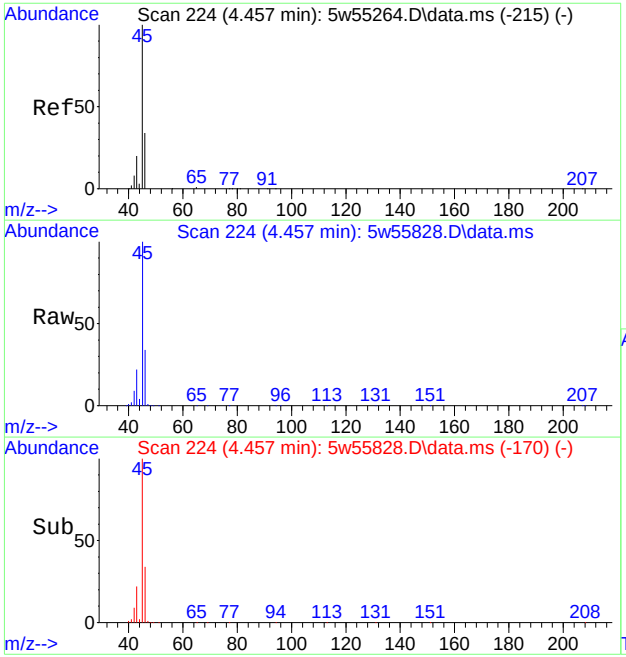




#24
PENTANE
Concen: 0.14 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 42 Resp: 2988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 107.5 | 64.4 | 124.4 |
| 57 | 13.0 | 0.0 | 55.0 |

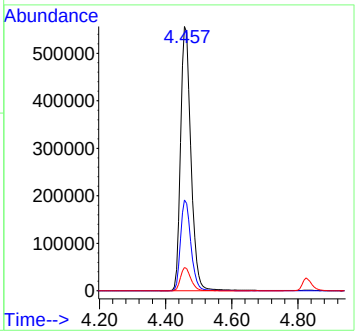


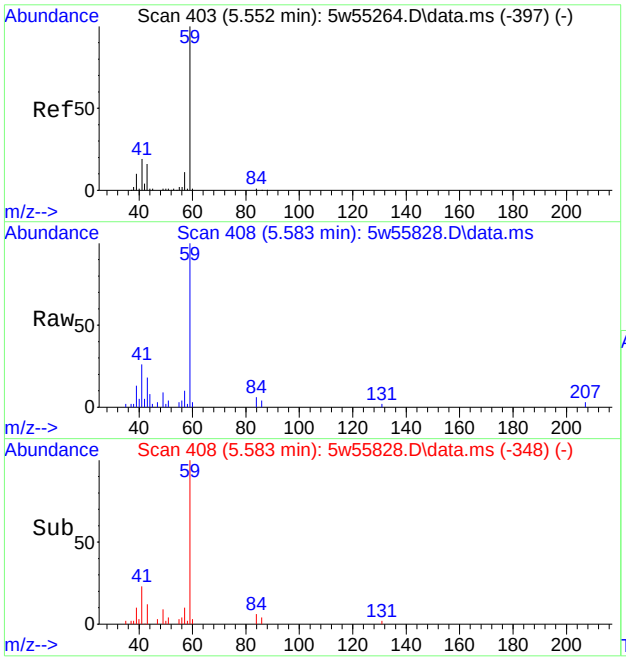



#28
ETHANOL
Concen: 76.88 PPBV
RT: 4.457 min Scan# 224
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 45 Resp: 1215159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.4 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

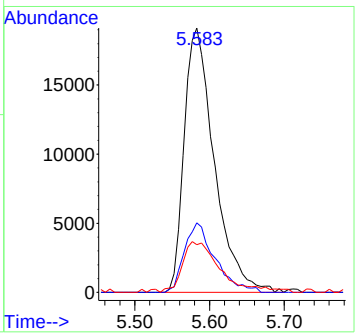


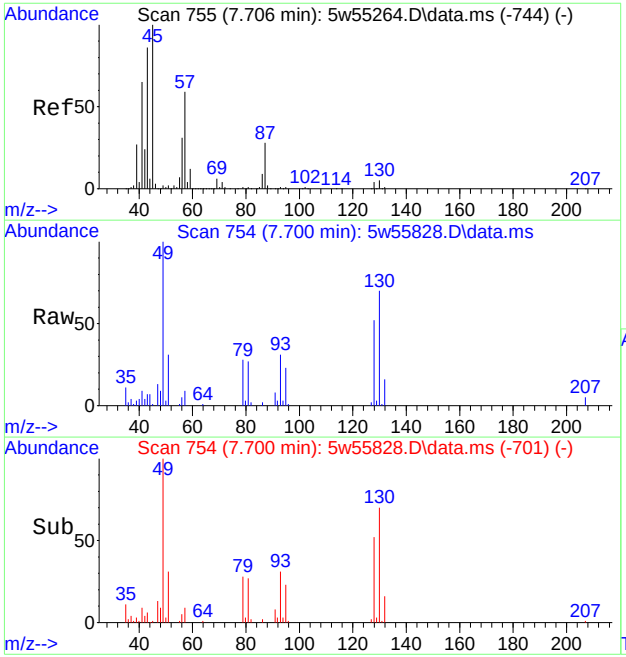




#35
TERTIARY BUTYL ALCOHOL
Concen: 1.32 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 59 Resp: 53521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 26.8 | 0.0 | 53.1 |
| 43 | 24.1 | 0.0 | 47.1 |

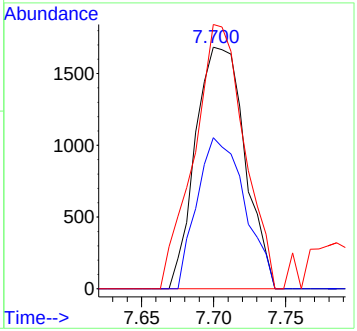


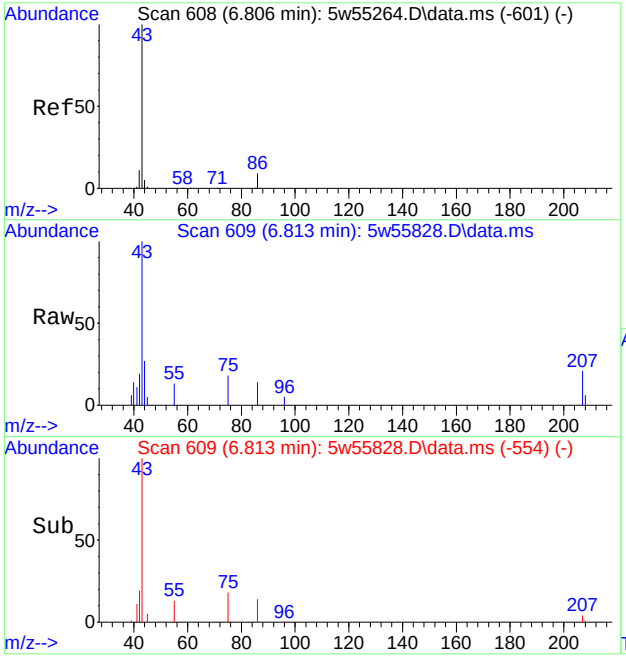



#38
HEXANE
Concen: 0.13 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 57 Resp: 4010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 60.4 | 24.2 | 84.2 |
| 41 | 111.1 | 92.1 | 152.1 |

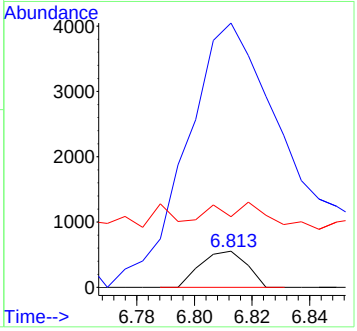


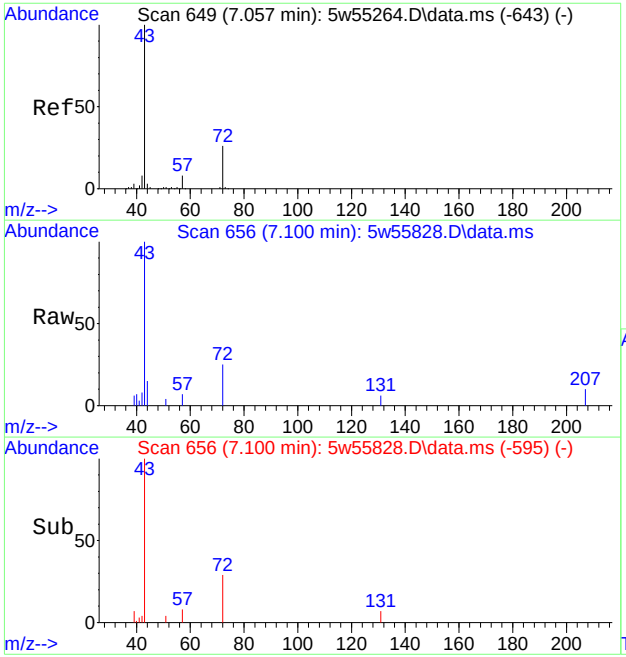




#39
VINYL ACETATE
Concen: 0.17 PPBV
RT: 6.813 min Scan# 609
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 86 Resp: 620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 2049.2 | 1335.5 | 1395.5# |
| 44 | 82.3 | 40.9 | 100.9 |

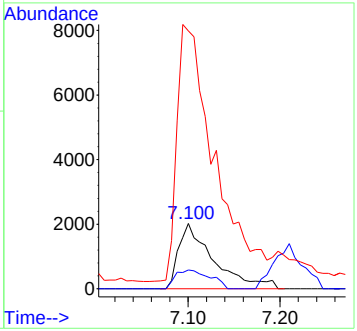


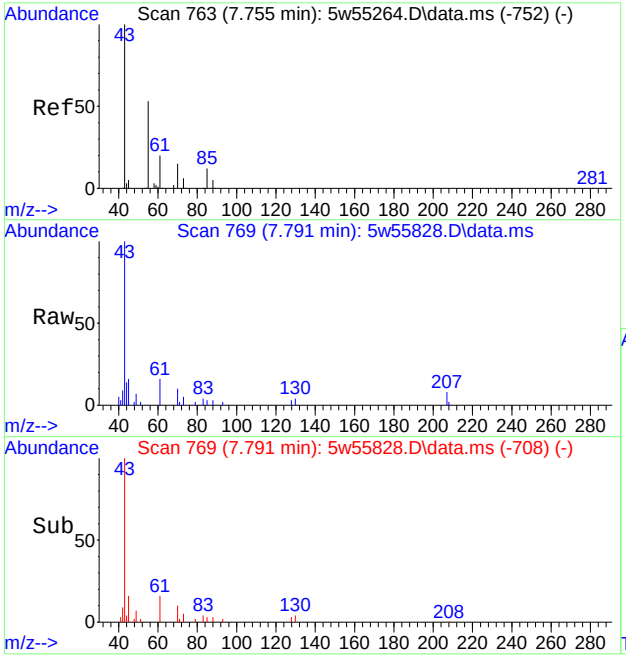



#41
METHYL ETHYL KETONE
Concen: 0.61 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 72 Resp: 5366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 28.6 | 1.1 | 61.1 |
| 43 | 394.3 | 390.6 | 450.6 |

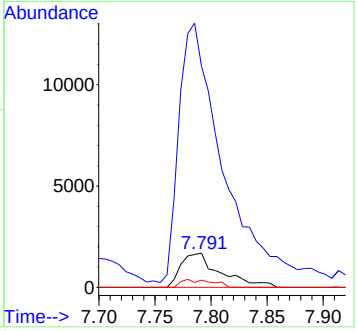


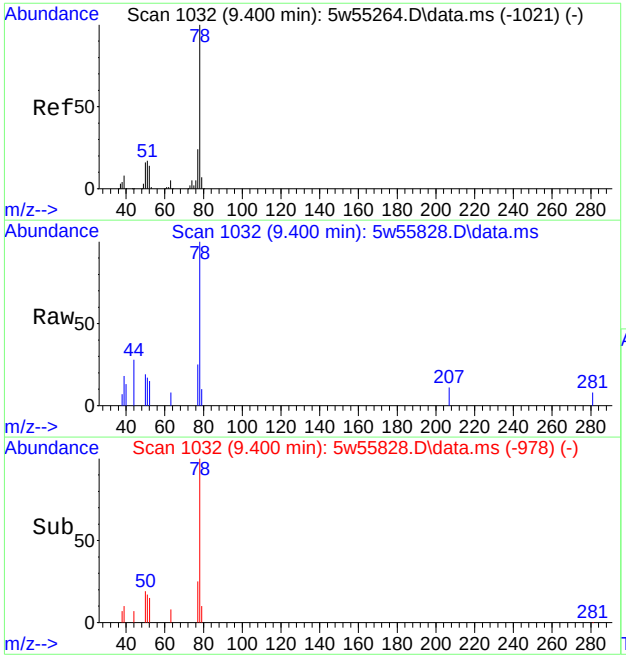




#44
ETHYL ACETATE
Concen: 0.64 PPBV
RT: 7.791 min Scan# 769
Delta R.T. 0.043 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 61 Resp: 4149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 922.7 | 0.0 | 30.0# |
| 88 | 18.0 | 7.3 | 67.3 |

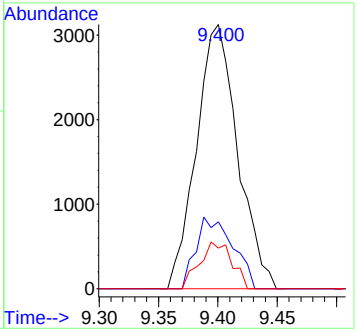


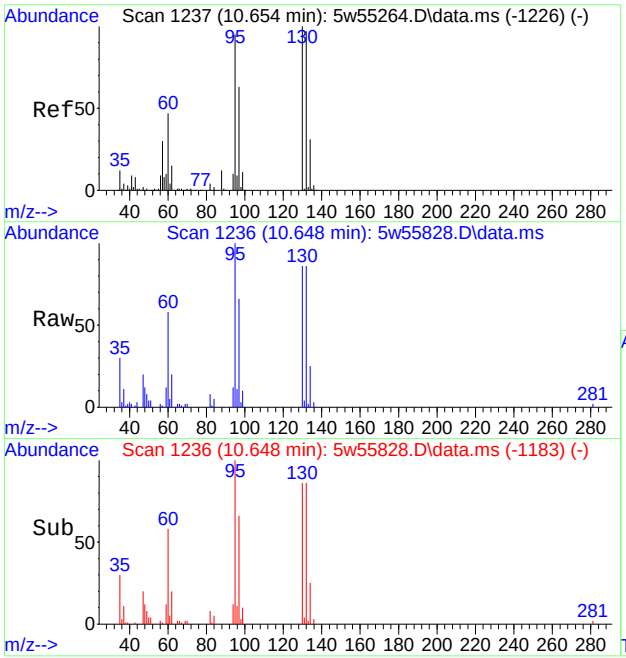



#52
BENZENE
Concen: 0.10 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 78 Resp: 7566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 0.0 | 54.0 |
| 52 | 13.8 | 0.0 | 45.6 |

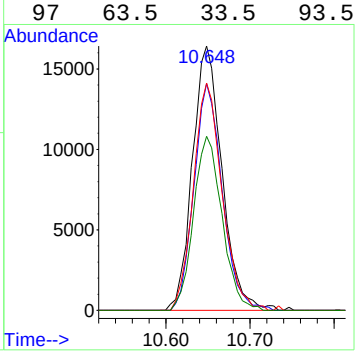


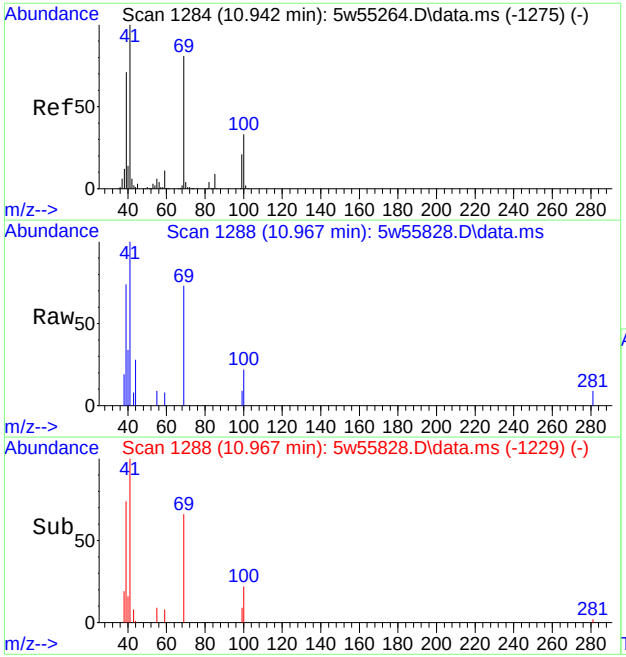




#55
TRICHLOROETHYLENE
Concen: 1.05 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 95 Resp: 40165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 82.0 | 60.0 | 120.0 |
| 130 | 83.5 | 64.1 | 124.1 |
| 97 | 63.5 | 33.5 | 93.5 |

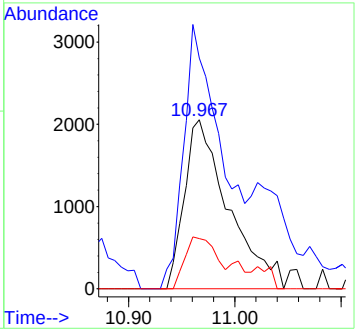


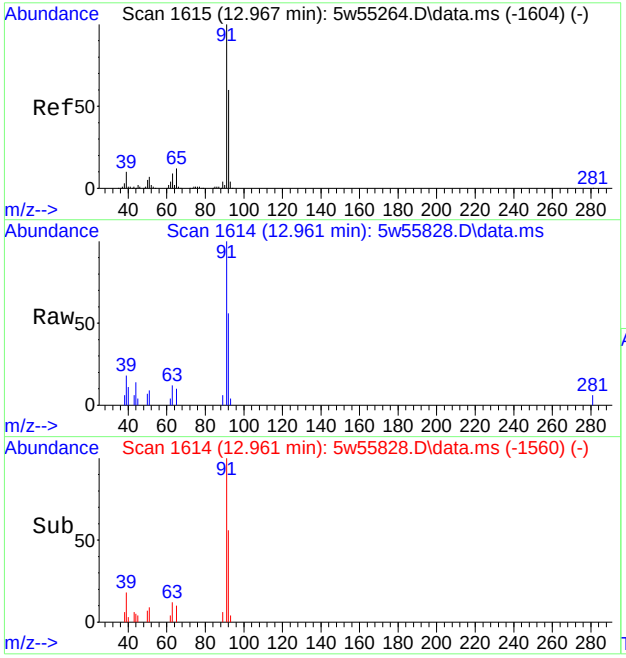



#63
METHYL METHACRYLATE
Concen: 0.25 PPBV
RT: 10.967 min Scan# 1288
Delta R.T. 0.031 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 69 Resp: 5931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 202.7 | 97.3 | 157.3# |
| 100 | 33.1 | 3.0 | 63.0 |

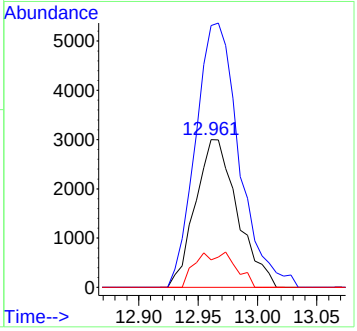


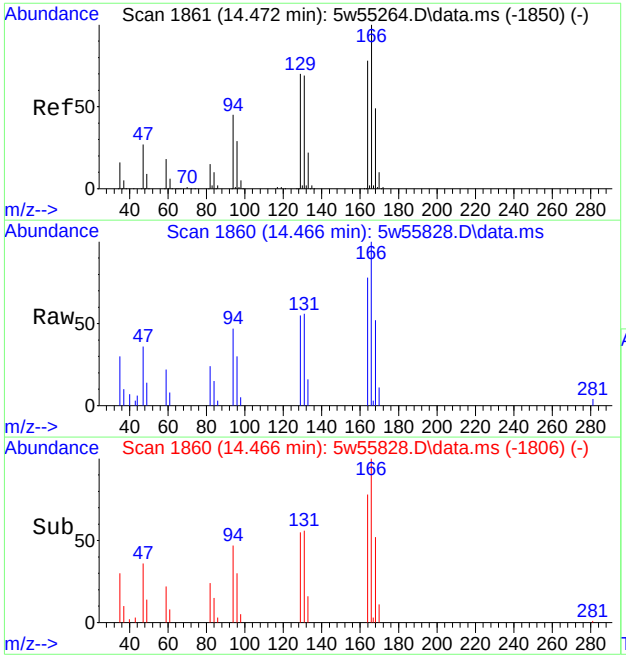




#66
TOLUENE
Concen: 0.15 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 92 Resp: 7372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 185.9 | 143.4 | 203.4 |
| 65 | 22.6 | 0.0 | 53.8 |

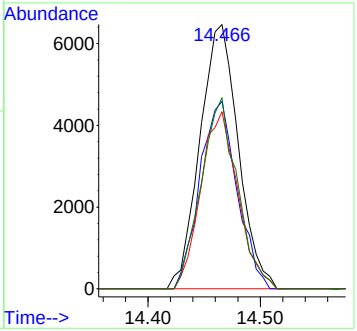


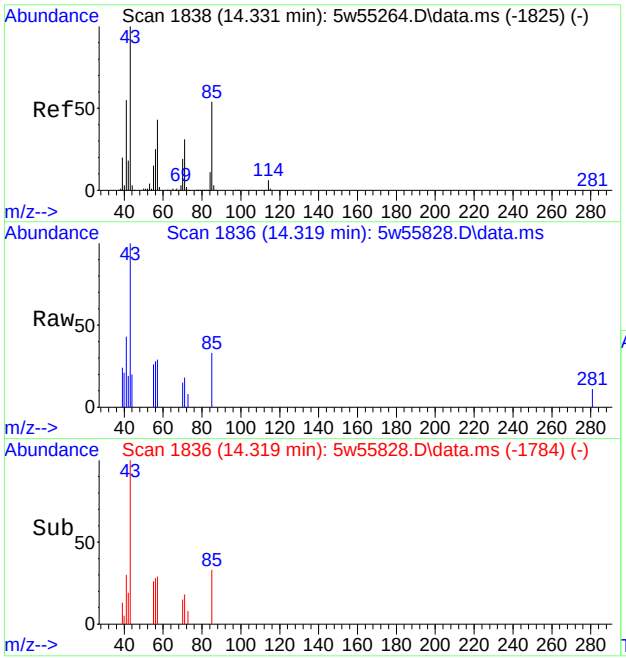



#73
TETRACHLOROETHYLENE
Concen: 0.43 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. 0.000 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:164 Resp: 15453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 68.7 | 64.4 | 124.4 |
| 168 | 64.8 | 31.2 | 91.2 |
| 131 | 67.7 | 60.5 | 120.5 |

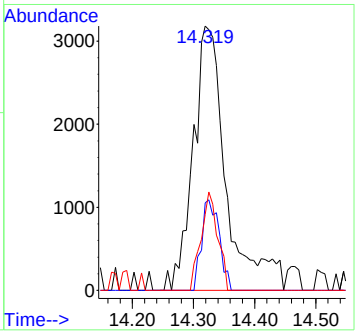


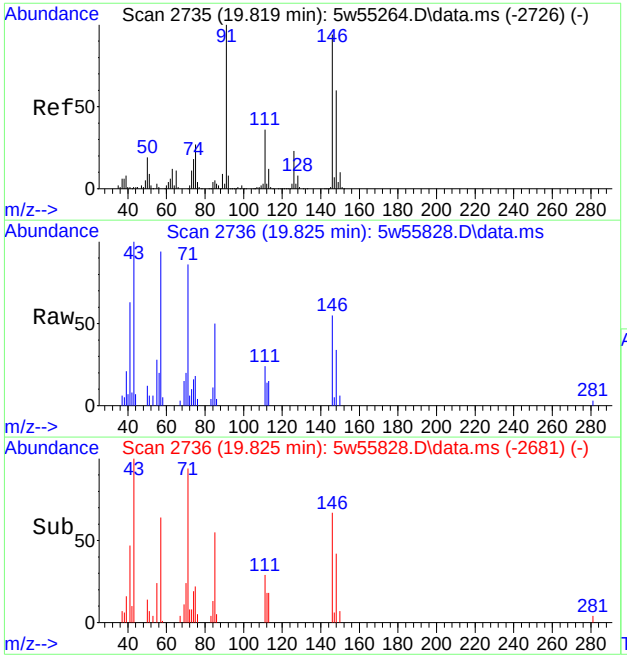




#76
OCTANE
Concen: 0.25 PPBV
RT: 14.319 min Scan# 1836
Delta R.T. -0.012 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion: 43 Resp: 11994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 18.3 | 13.7 | 73.7 |
| 57 | 18.8 | 9.9 | 69.9 |

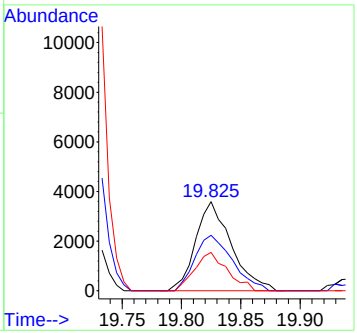





#97
m-DICHLOROBENZENE
Concen: 0.10 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55828.D
Acq: 23 Dec 2024 5:34 pm

Tgt Ion:146 Resp: 7513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 65.5 | 34.2 | 94.2 |
| 111 | 39.3 | 10.1 | 70.1 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 19:27

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-6
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 20:20:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

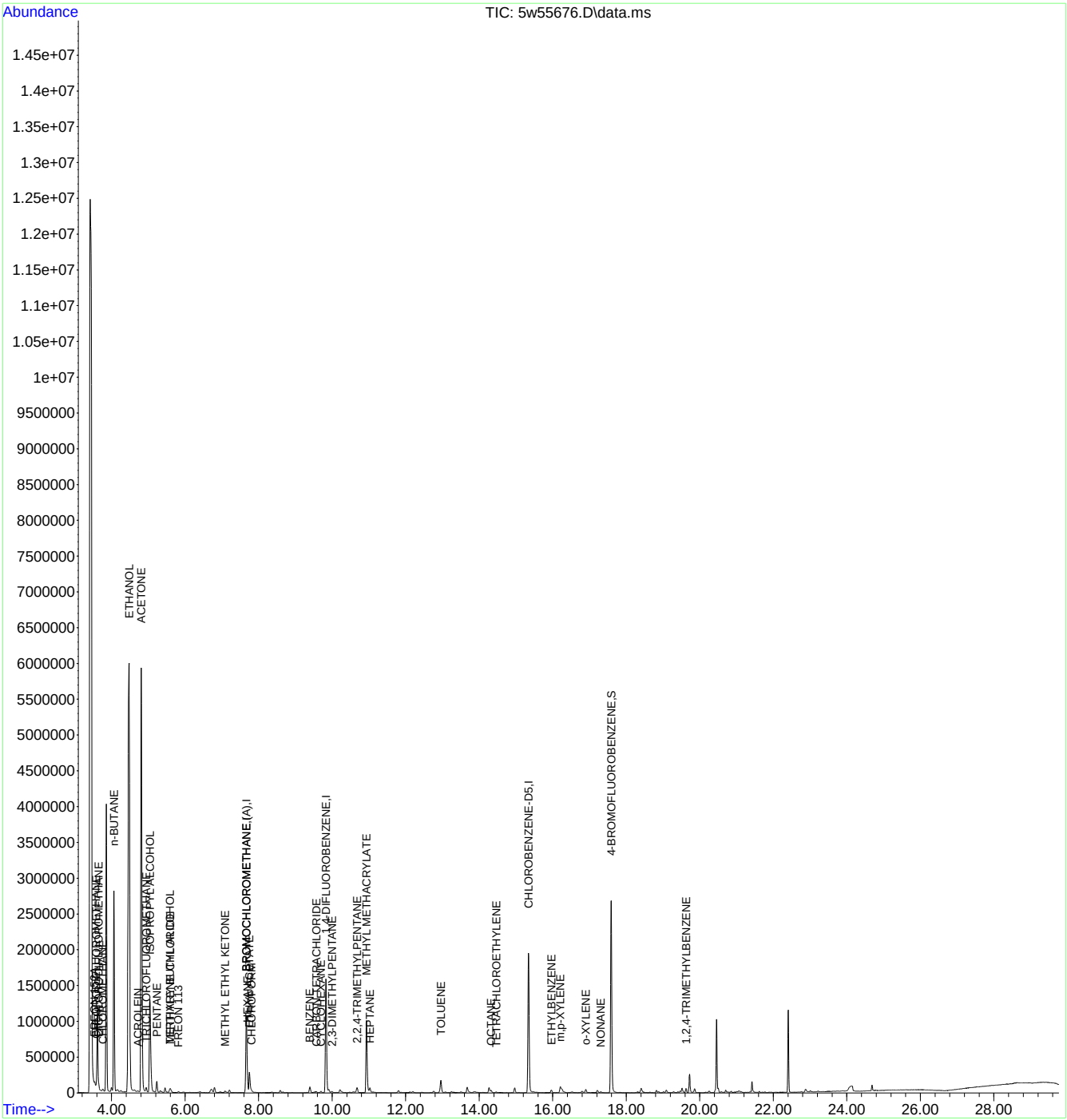
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 277336 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1355901 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 836365 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 277336 | 10.00 | PPBV | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1038331 | 11.09 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 110.90% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 19889 | 0.97 | PPBV | | 64 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 4312 | 0.41 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 62792 | 0.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 6879 | 0.53 | PPBV | # | 73 |
| 13) n-BUTANE | 4.066 | 43 | 2350794 | 39.68 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 11390 | 0.76 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 45689 | 0.49 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.044 | 45 | 2123072 | 35.78 | PPBV | | 97 |
| 23) ACETONE | 4.806 | 58 | 2284171 | 102.12 | PPBV | | 99 |
| 24) PENTANE | 5.234 | 42 | 63870 | 2.17 | PPBV | | 95 |
| 28) ETHANOL | 4.475 | 45 | 9951475 | 457.56 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 17286 | 0.59 | PPBV | | 98 |
| 33) FREON 113 | 5.809 | 151 | 4791 | 0.10 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.583 | 59 | 40763 | 0.73 | PPBV | # | 54 |
| 38) HEXANE | 7.699 | 57 | 38379 | 0.88 | PPBV | | 93 |
| 41) METHYL ETHYL KETONE | 7.082 | 72 | 10017 | 0.83 | PPBV | # | 78 |
| 44) ETHYL ACETATE | 7.748 | 61 | 55942 | 6.30 | PPBV | # | 75 |
| 46) CHLOROFORM | 7.810 | 83 | 11705 | 0.16 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 9058 | 0.12 | PPBV | | 94 |
| 52) BENZENE | 9.394 | 78 | 87612 | 0.89 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.694 | 84 | 8421 | 0.23 | PPBV | | 86 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 3530 | 0.18 | PPBV | # | 88 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 64020 | 0.43 | PPBV | | 83 |
| 62) HEPTANE | 11.028 | 43 | 28605 | 0.55 | PPBV | | 97 |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 468118 | 14.33 | PPBV | | 96 |
| 66) TOLUENE | 12.961 | 92 | 86519 | 1.26 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 2180 | 0.04 | PPBV | | 88 |
| 76) OCTANE | 14.331 | 43 | 28931m | 0.39 | PPBV | | |
| 79) ETHYLBENZENE | 15.965 | 91 | 38338 | 0.25 | PPBV | | 95 |
| 80) m,p-XYLENE | 16.209 | 106 | 38869 | 0.66 | PPBV | | 96 |
| 81) o-XYLENE | 16.901 | 106 | 14376 | 0.25 | PPBV | # | 81 |
| 83) NONANE | 17.310 | 43 | 10356 | 0.14 | PPBV | # | 81 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 34146 | 0.23 | PPBV | # | 37 |

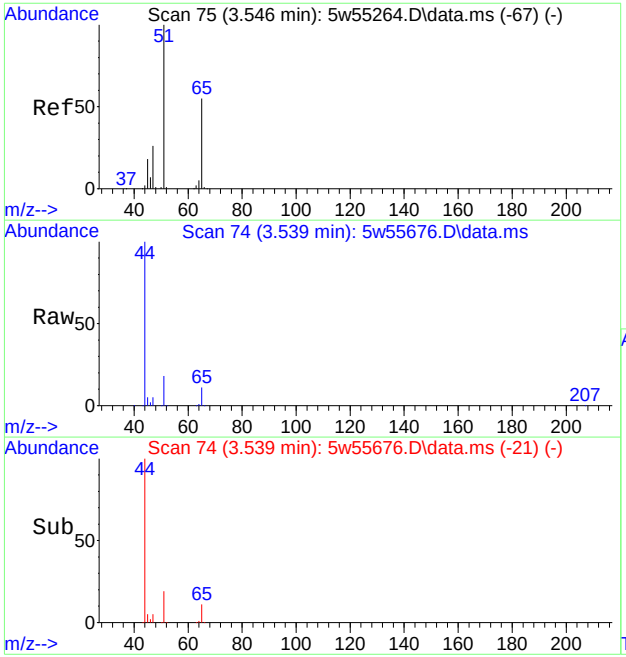
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-6
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 20 20:20:27 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

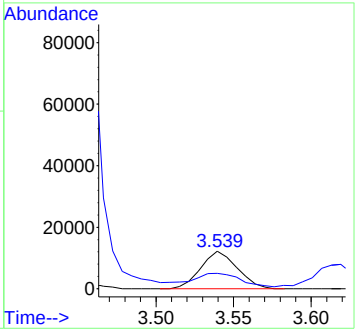


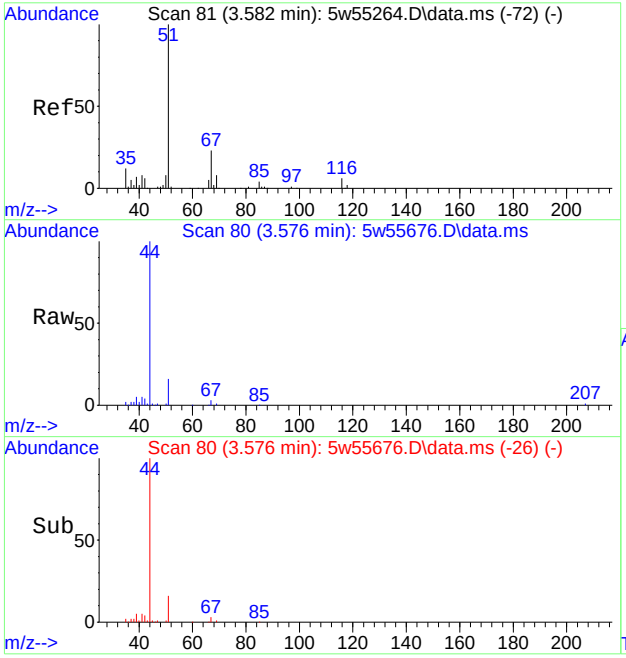



#3
FREON 152A
Concen: 0.97 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 65 Resp: 19889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 52.0 | 1.8 | 61.8 |

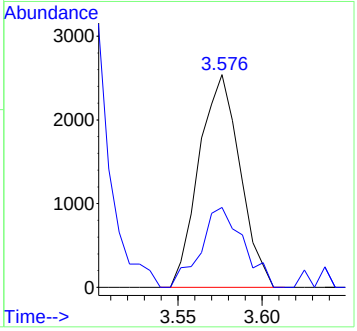


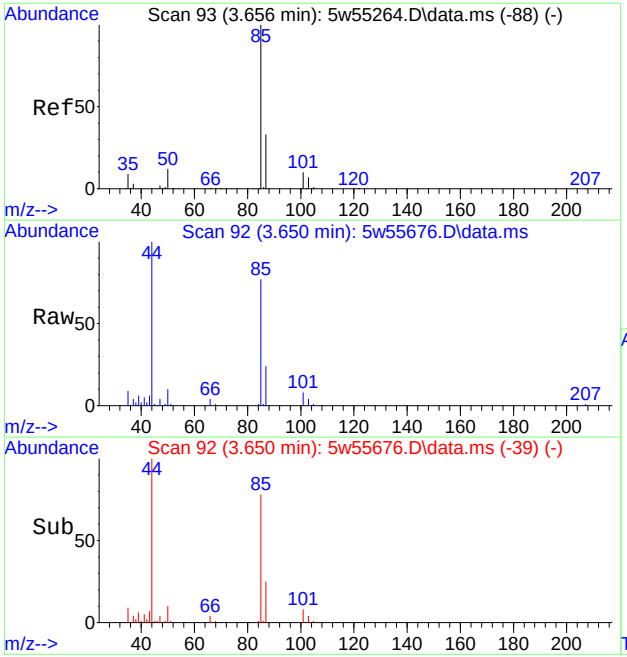




#4
CHLORODIFLUOROMETHANE
Concen: 0.41 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 67 Resp: 4312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 37.6 | 2.9 | 62.9 |

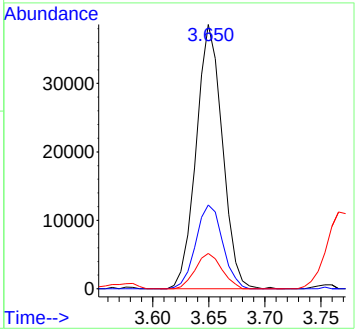


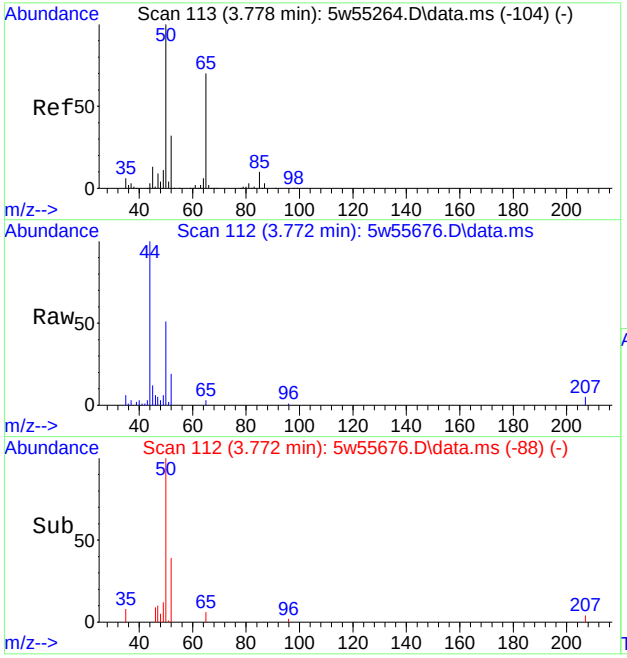



#6
DICHLORODIFLUOROMETHANE
Concen: 0.62 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 85 Resp: 62792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 2.6 | 62.6 |
| 50 | 13.6 | 0.0 | 43.0 |

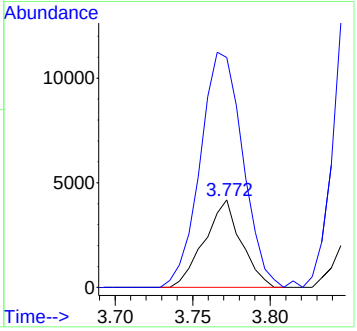


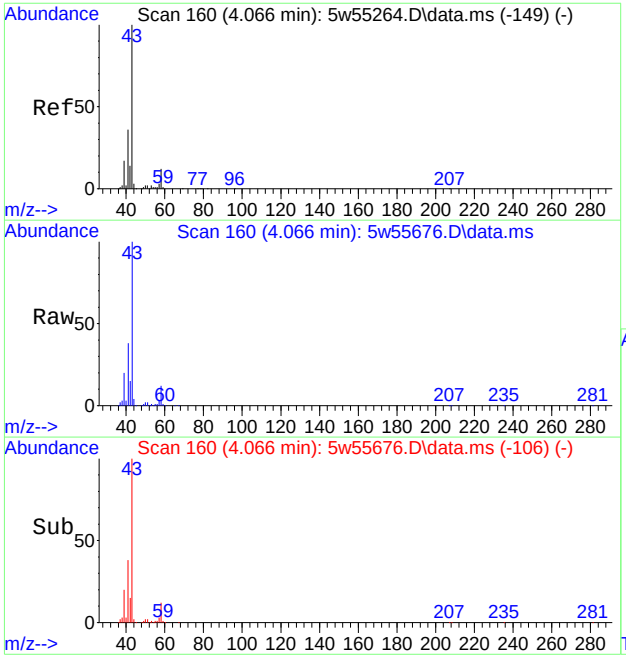




#10
CHLOROMETHANE
Concen: 0.53 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 52 Resp: 6879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 262.6 | 287.9 | 347.9# |

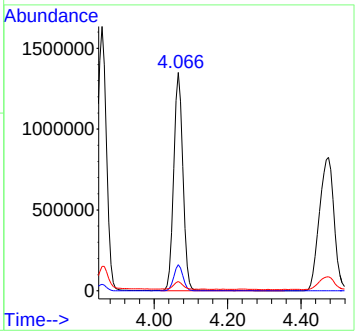


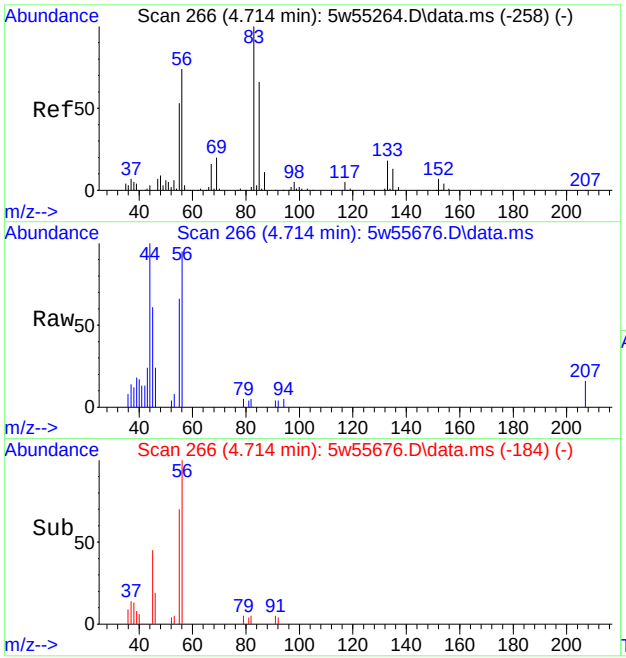



#13
n-BUTANE
Concen: 39.68 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 2350794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.8 | 0.0 | 41.6 |
| 44 | 5.3 | 0.0 | 34.7 |

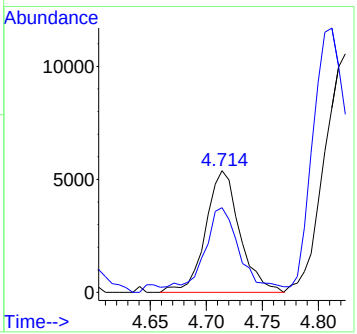


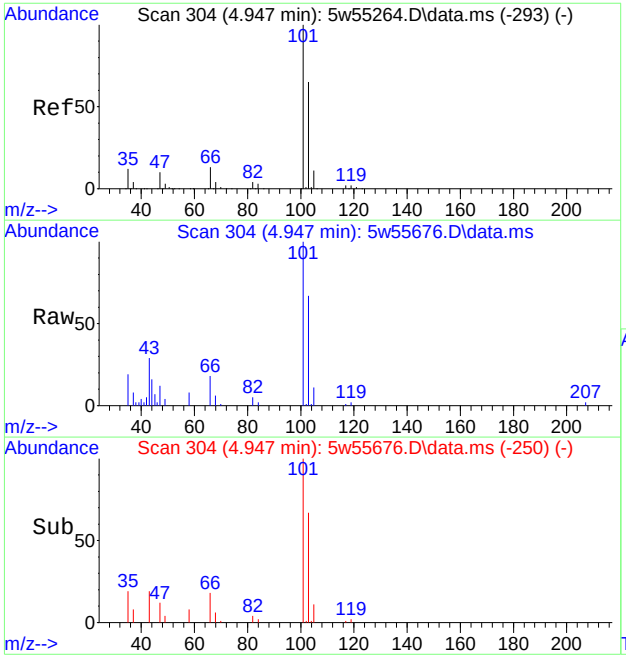




#18
ACROLEIN
Concen: 0.76 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 56 Resp: 11390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.1 | 49.8 | 92.6 |

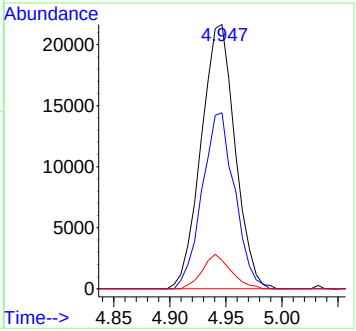


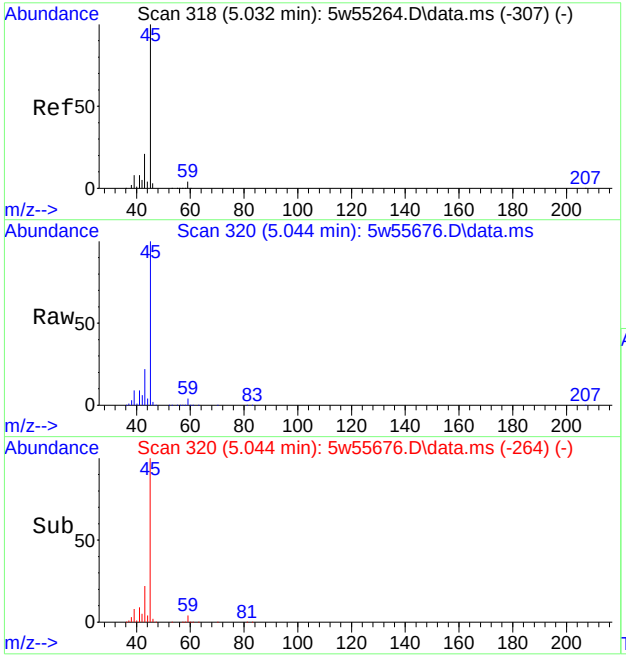



#21
TRICHLOROFLUOROMETHANE
Concen: 0.49 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:101 Resp: 45689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 34.7 | 94.7 |
| 105 | 11.0 | 0.0 | 40.5 |

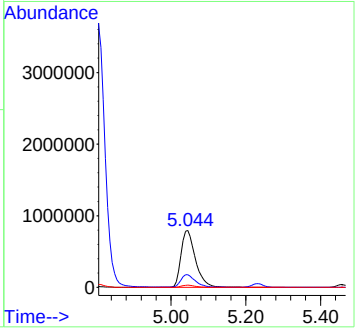


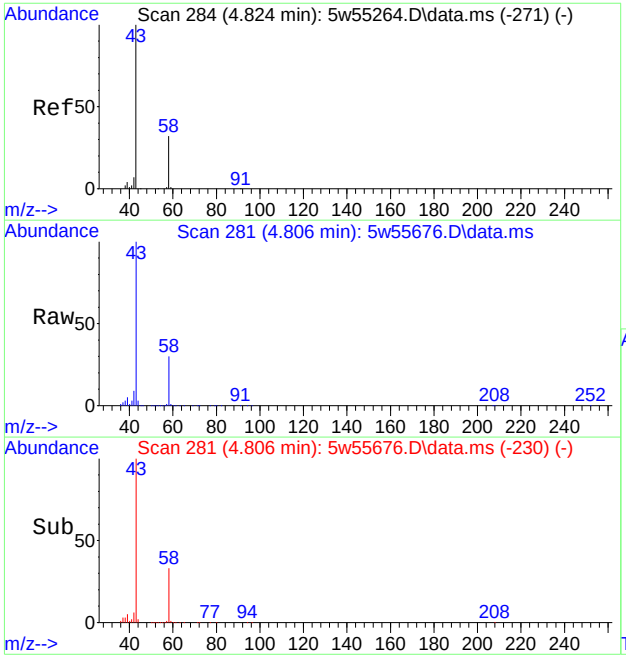




#22
ISOPROPYL ALCOHOL
Concen: 35.78 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 45 Resp: 2123072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.3 | 0.0 | 50.8 |
| 59 | 3.8 | 0.0 | 33.8 |

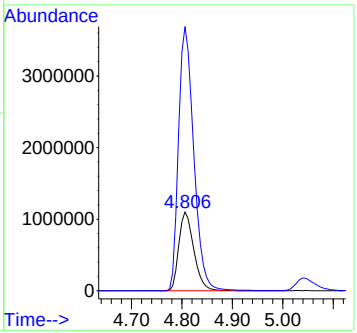


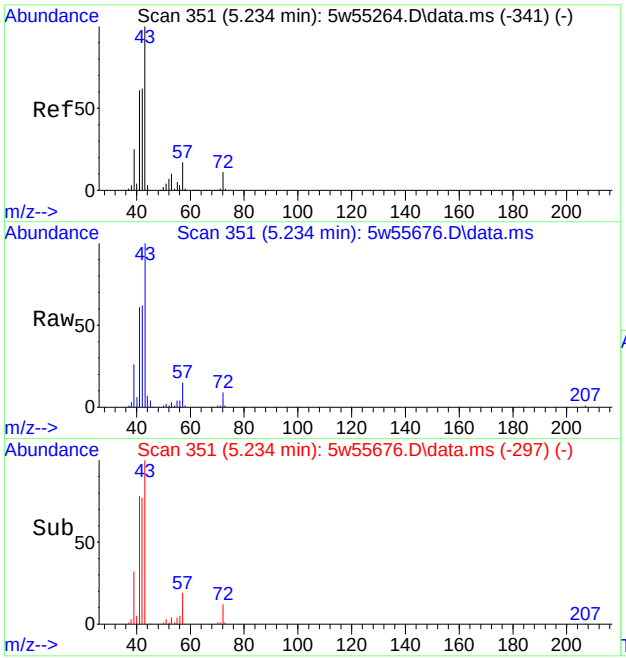



#23
ACETONE
Concen: 102.12 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 58 Resp: 2284171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 339.1 | 312.3 | 372.3 |

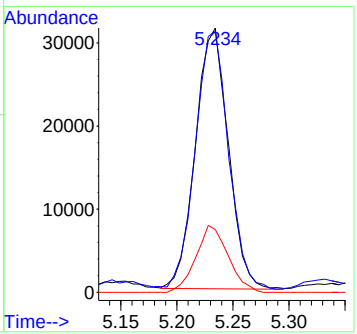


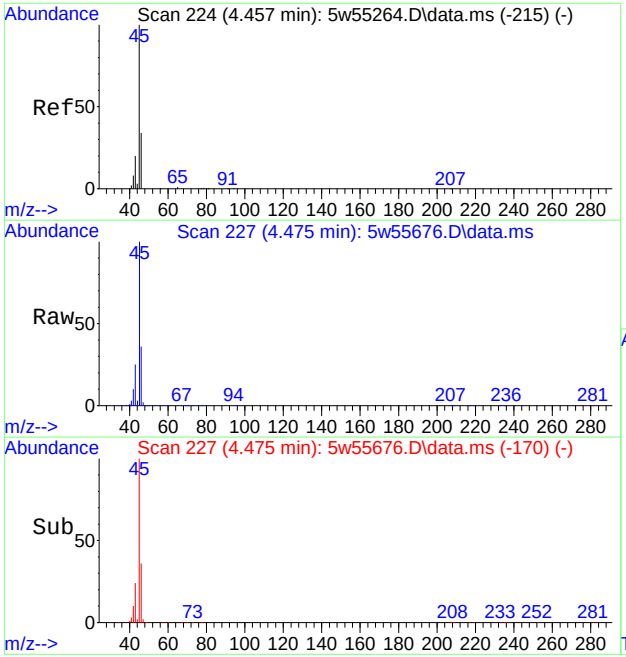




#24
PENTANE
Concen: 2.17 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 42 Resp: 63870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 100.7 | 64.4 | 124.4 |
| 57 | 25.2 | 0.0 | 55.0 |

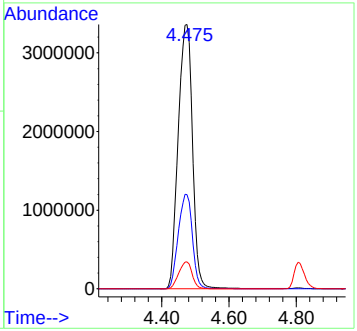


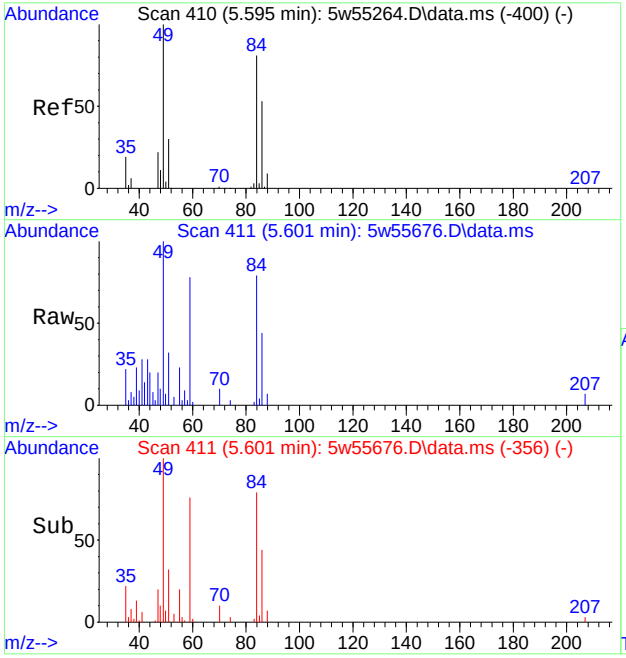



#28
ETHANOL
Concen: 457.56 PPBV
RT: 4.475 min Scan# 227
Delta R.T. 0.018 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 45 Resp: 9951475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.3 | 4.5 | 64.5 |
| 42 | 9.6 | 0.0 | 38.6 |

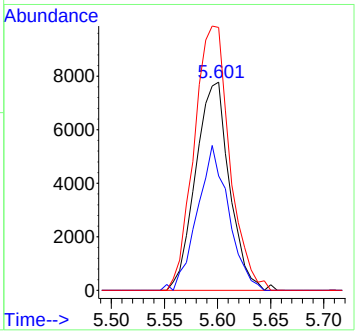


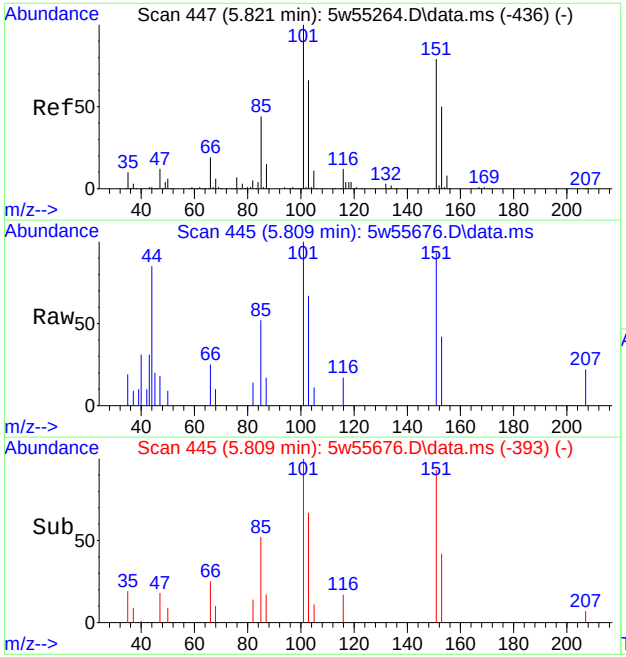




#31
METHYLENE CHLORIDE
Concen: 0.59 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 84 Resp: 17286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.3 | 34.0 | 94.0 |
| 49 | 132.8 | 105.8 | 165.8 |

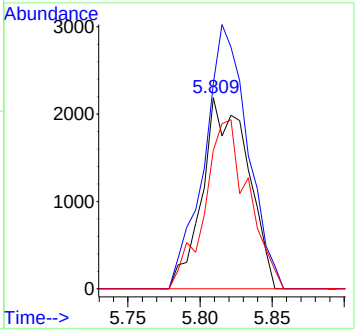


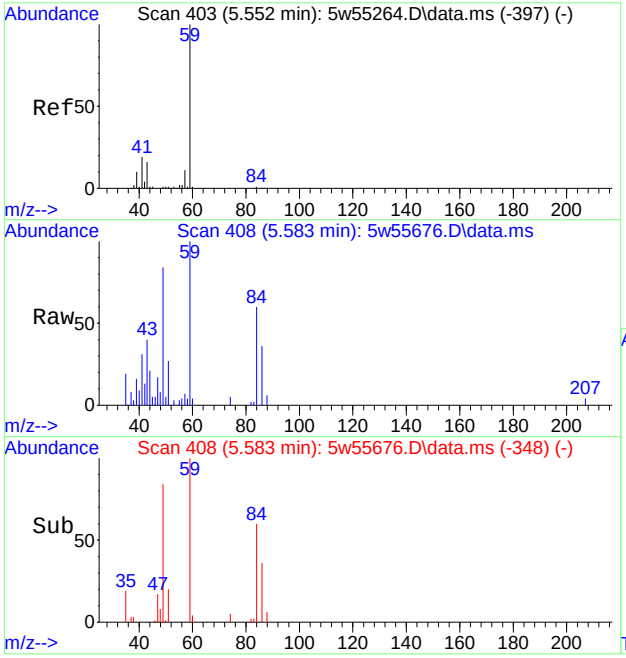



#33
FREON 113
Concen: 0.10 PPBV
RT: 5.809 min Scan# 445
Delta R.T. -0.012 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:151 Resp: 4791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 132.4 | 112.2 | 172.2 |
| 103 | 85.3 | 62.0 | 122.0 |

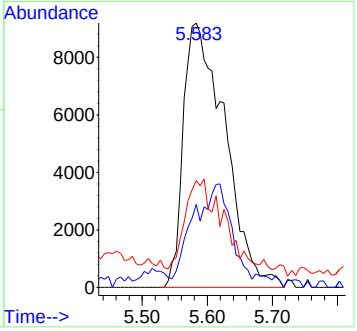


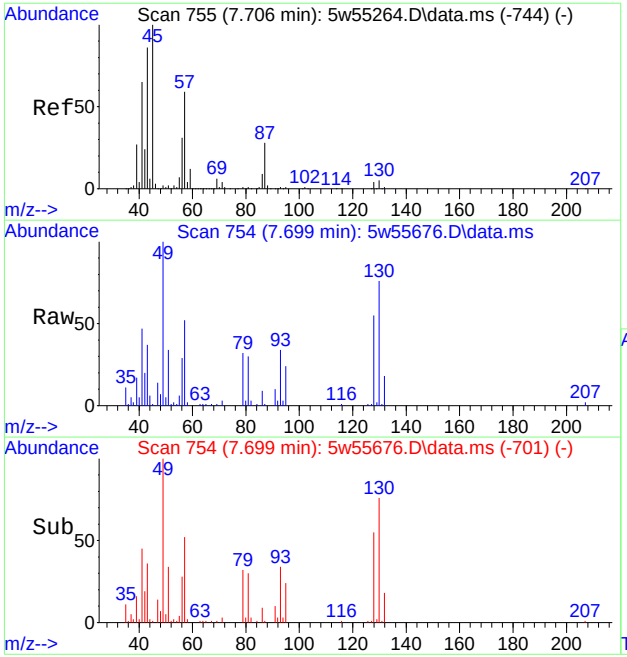




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.73 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 59 Resp: 40763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 0.0 | 0.0 | 53.1 |
| 43 | 36.5 | 0.0 | 47.1 |

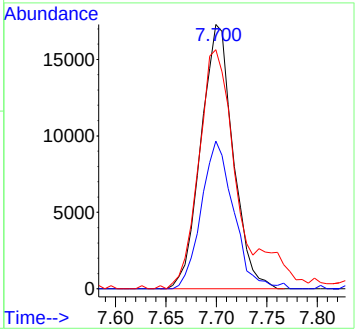


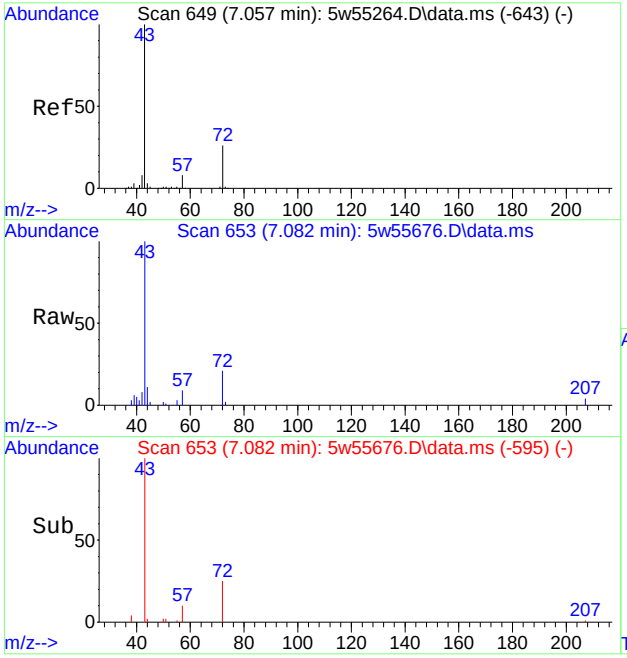



#38
HEXANE
Concen: 0.88 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 57 Resp: 38379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.2 | 24.2 | 84.2 |
| 41 | 111.8 | 92.1 | 152.1 |

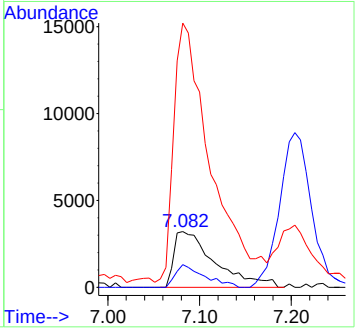


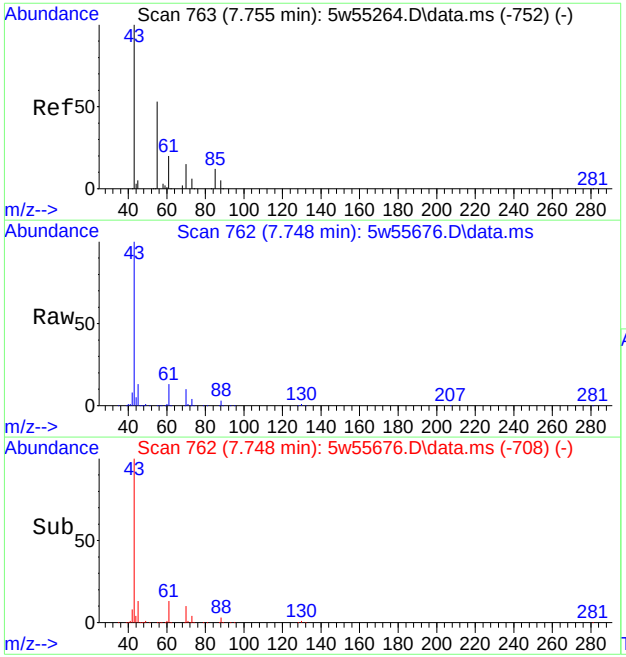




#41
METHYL ETHYL KETONE
Concen: 0.83 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 72 Resp: 10017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 40.8 | 1.1 | 61.1 |
| 43 | 474.8 | 390.6 | 450.6# |

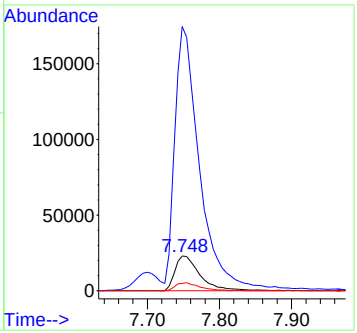


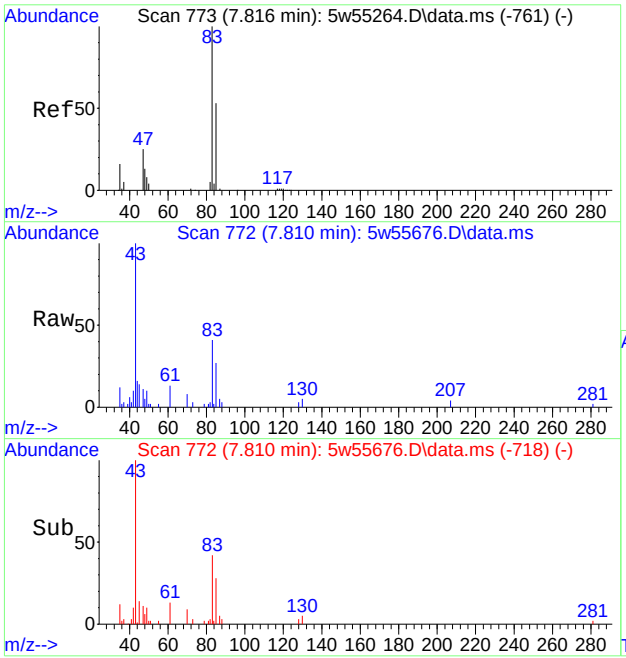



#44
ETHYL ACETATE
Concen: 6.30 PPBV
RT: 7.748 min Scan# 762
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 61 Resp: 55942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 757.0 | 0.0 | 30.0# |
| 88 | 22.1 | 7.3 | 67.3 |

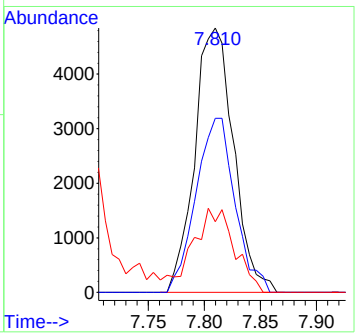


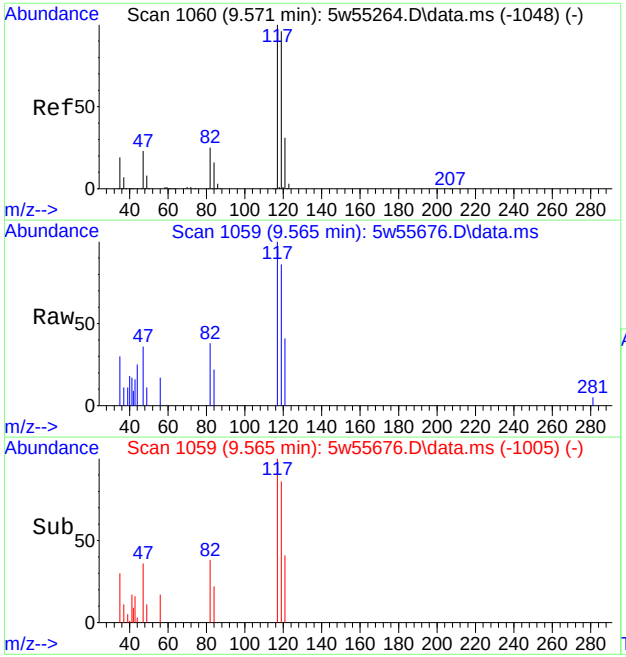




#46
CHLOROFORM
Concen: 0.16 PPBV
RT: 7.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 83 Resp: 11705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 35.5 | 95.5 |
| 47 | 32.6 | 0.0 | 56.8 |

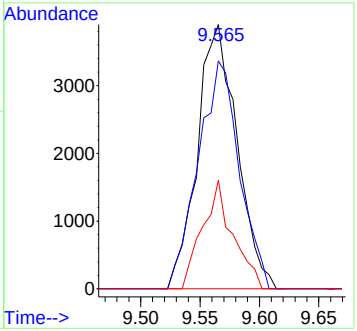


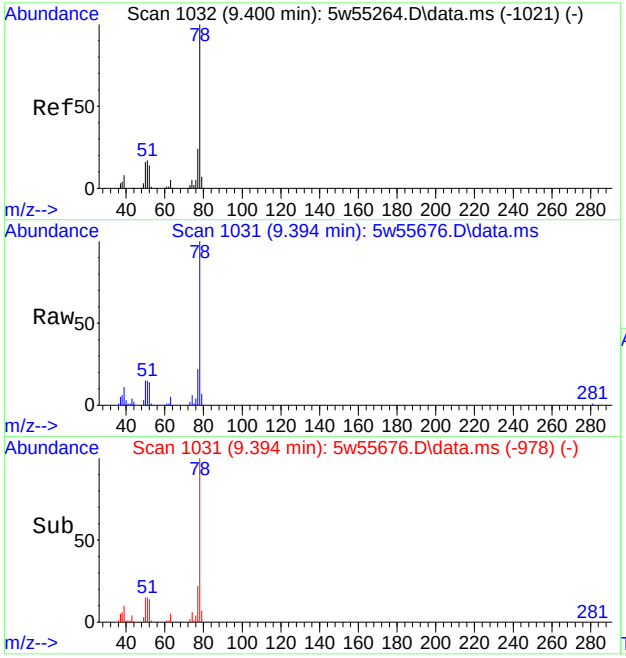



#49
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:117 Resp: 9058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 89.2 | 65.9 | 125.9 |
| 121 | 31.4 | 0.7 | 60.7 |

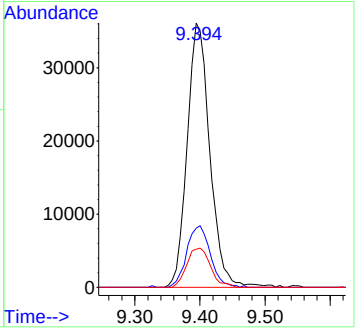


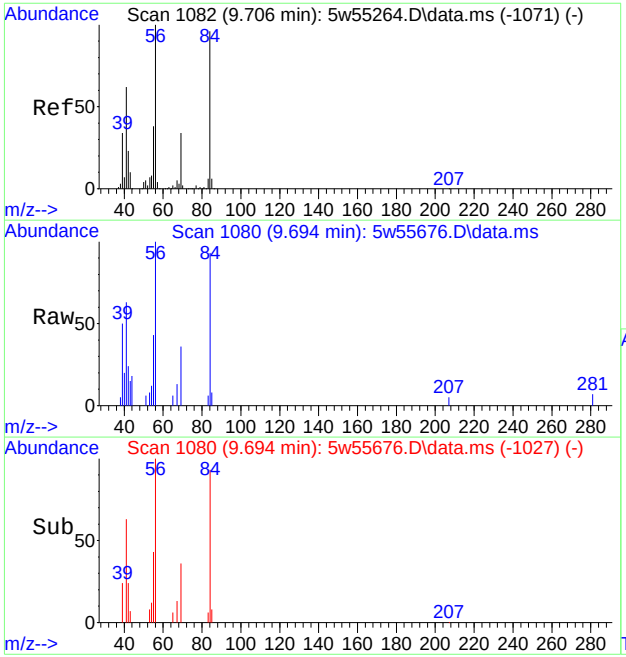




#52
BENZENE
Concen: 0.89 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 78 Resp: 87612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 0.0 | 54.0 |
| 52 | 15.6 | 0.0 | 45.6 |

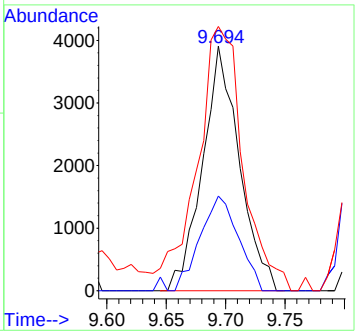


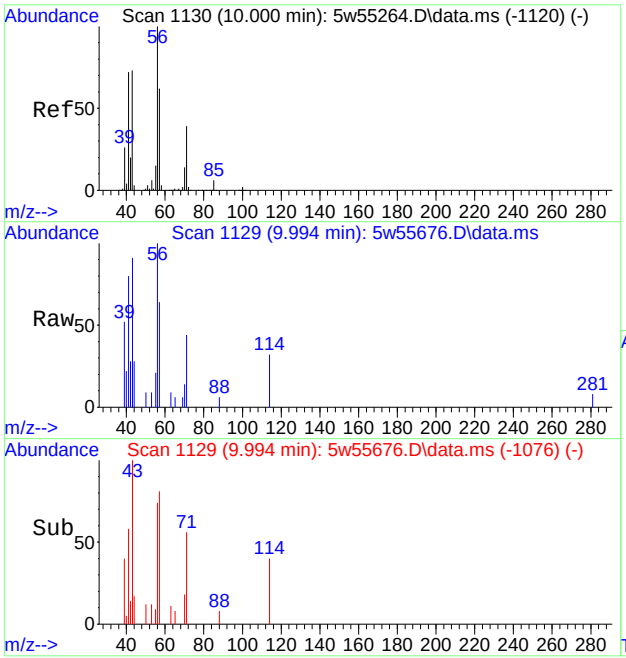



#53
CYCLOHEXANE
Concen: 0.23 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 84 Resp: 8421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 40.1 | 7.0 | 67.0 |
| 56 | 134.2 | 86.5 | 146.5 |

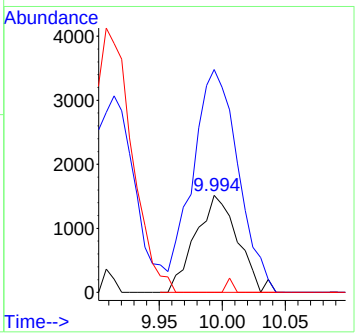


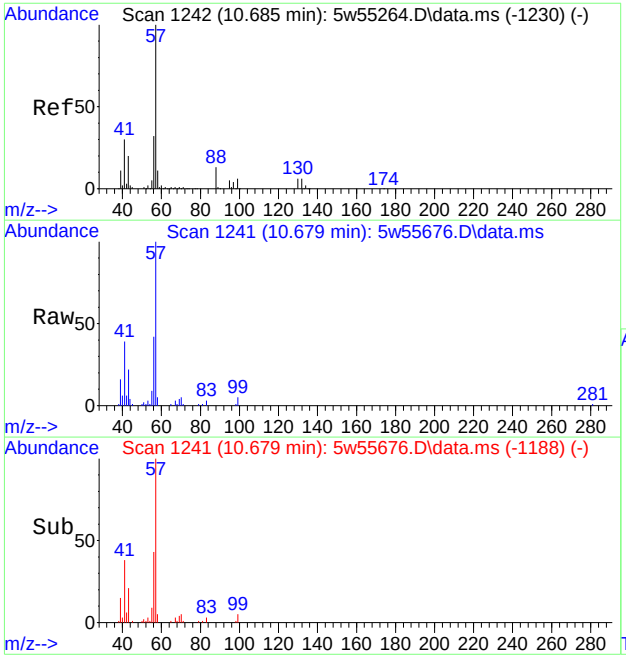




#54
2,3-DIMETHYLPENTANE
Concen: 0.18 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 71 Resp: 3530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 247.0 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

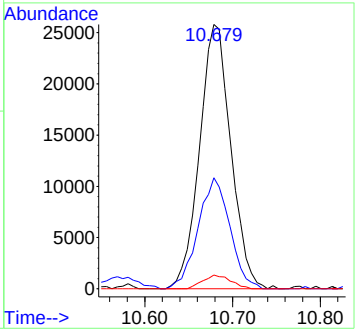


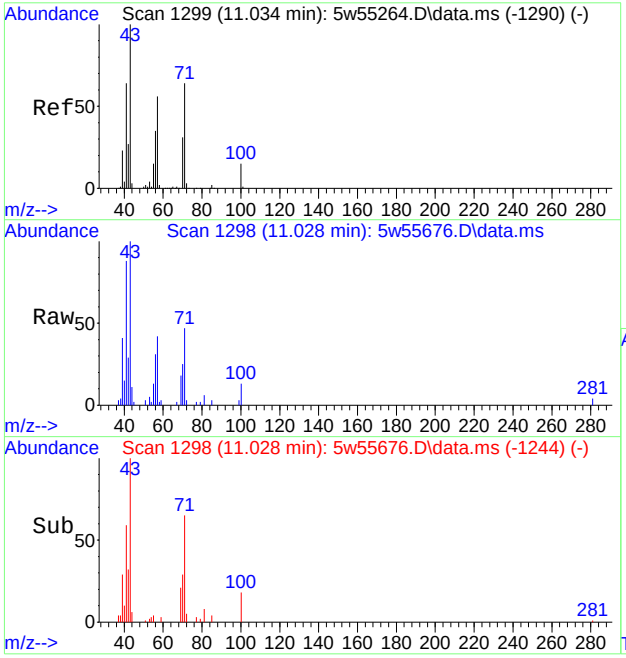



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.43 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 57 Resp: 64020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 42.6 | 2.2 | 62.2 |
| 99 | 4.6 | 0.0 | 37.6 |

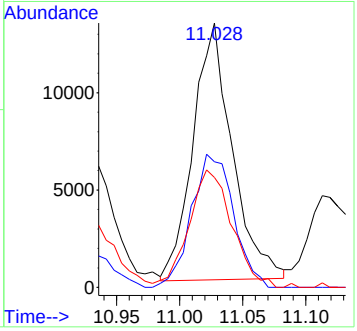


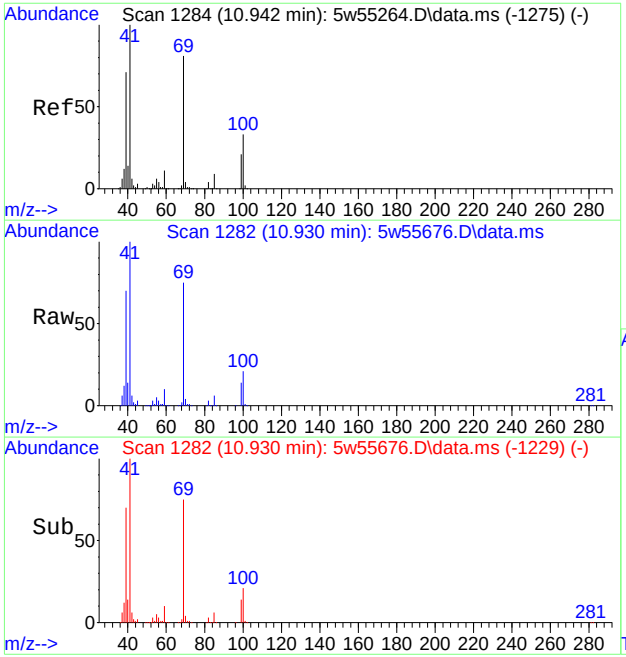




#62
HEPTANE
Concen: 0.55 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 28605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 55.2 | 27.2 | 87.2 |
| 57 | 49.9 | 22.5 | 82.5 |

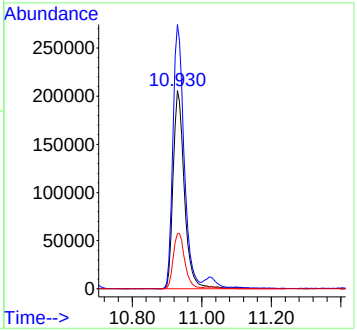


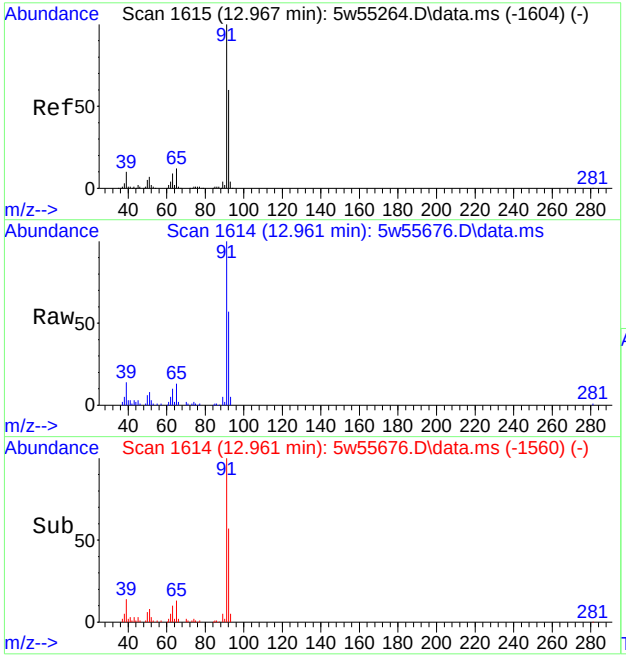



#63
METHYL METHACRYLATE
Concen: 14.33 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 69 Resp: 468118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 131.2 | 97.3 | 157.3 |
| 100 | 28.3 | 3.0 | 63.0 |

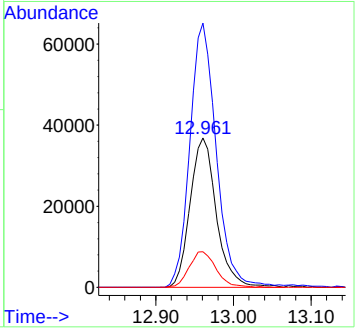


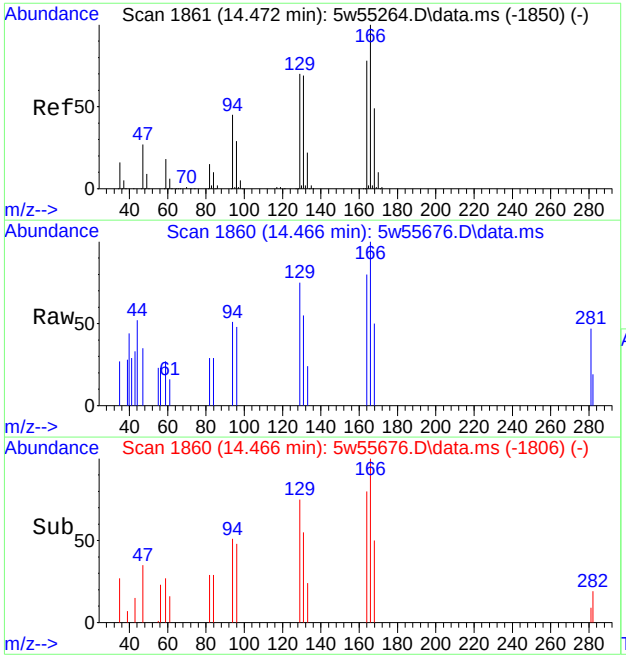




#66
TOLUENE
Concen: 1.26 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 92 Resp: 86519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.1 | 143.4 | 203.4 |
| 65 | 24.5 | 0.0 | 53.8 |

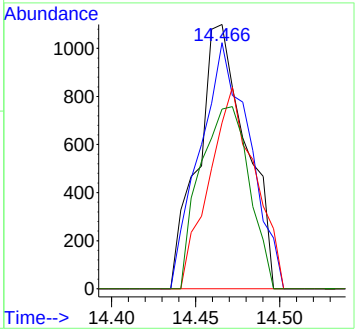


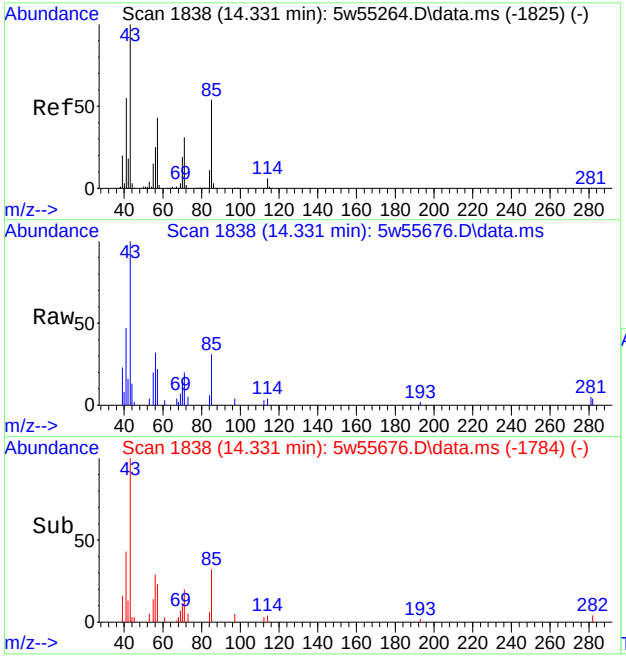



#73
TETRACHLOROETHYLENE
Concen: 0.04 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:164 Resp: 2180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 96.8 | 64.4 | 124.4 |
| 168 | 72.3 | 31.2 | 91.2 |
| 131 | 70.9 | 60.5 | 120.5 |

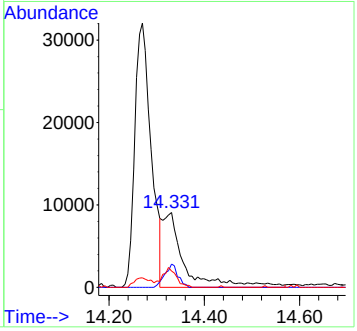


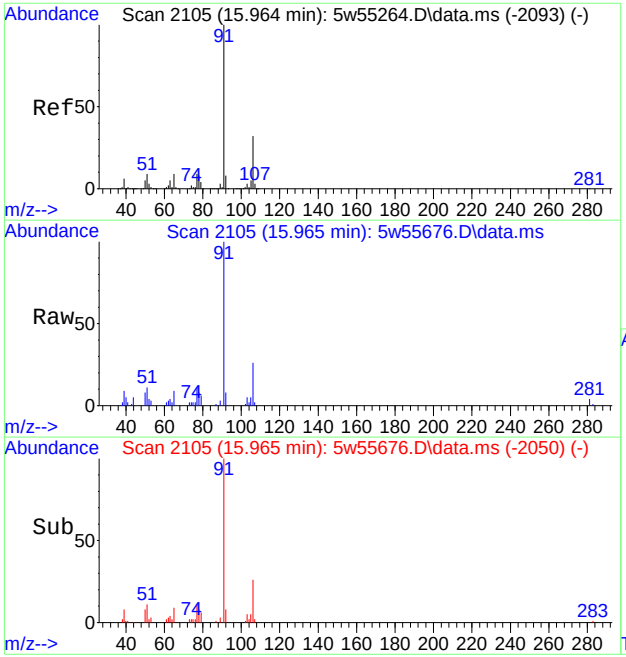




#76
OCTANE
Concen: 0.39 PPBV m
RT: 14.331 min Scan# 1838
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 28931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 0.0 | 13.7 | 73.7# |
| 57 | 9.6 | 9.9 | 69.9# |

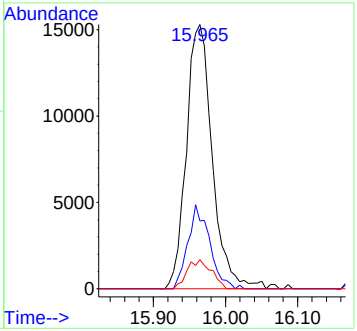


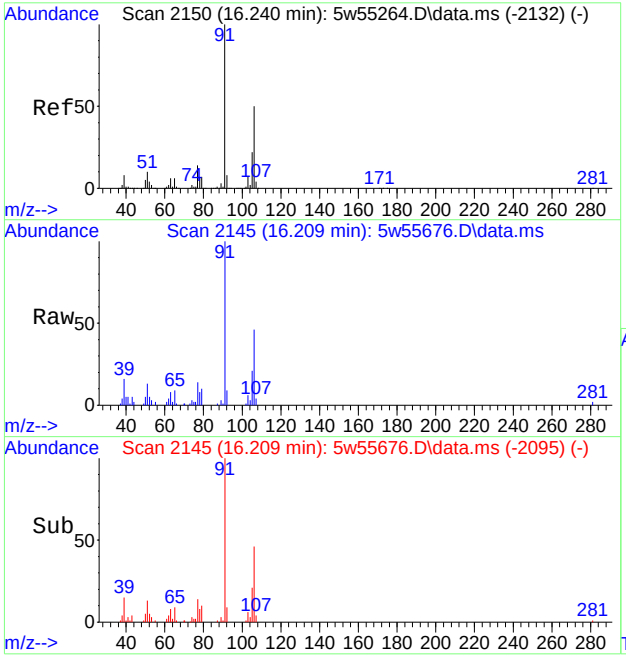



#79
ETHYLBENZENE
Concen: 0.25 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 91 Resp: 38338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.5 | 0.0 | 59.9 |
| 77 | 10.2 | 0.0 | 39.1 |

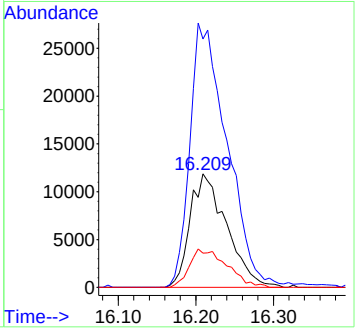


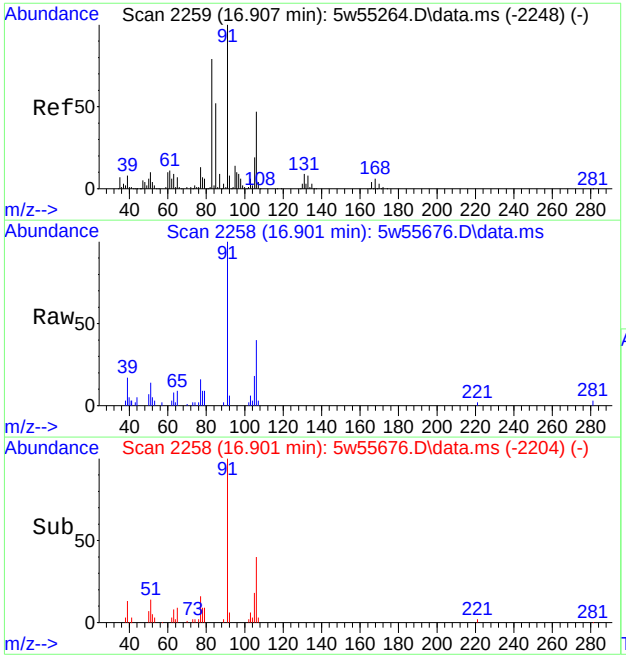




#80
m,p-XYLENE
Concen: 0.66 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:106 Resp: 38869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.7 | 181.2 | 241.2 |
| 77 | 30.3 | 0.1 | 60.1 |

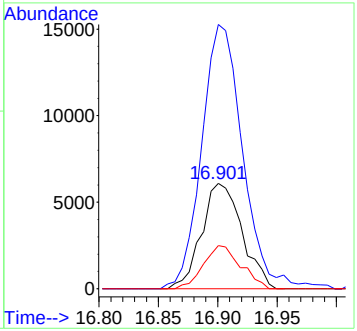


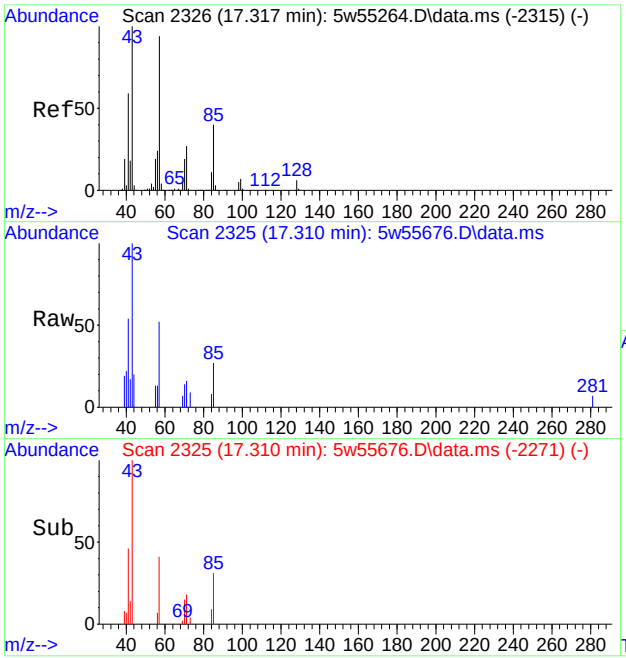



#81
o-XYLENE
Concen: 0.25 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:106 Resp: 14376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 255.6 | 193.4 | 253.4# |
| 77 | 37.9 | 0.0 | 59.8 |

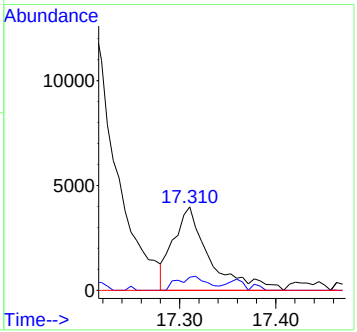


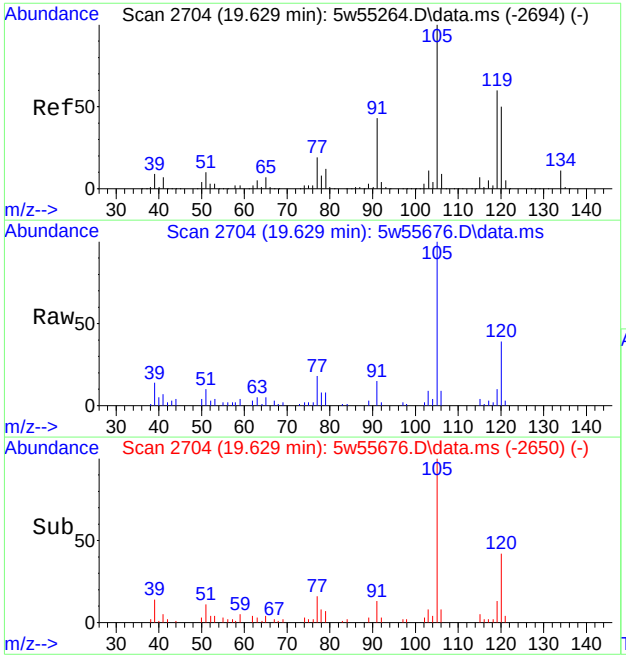




#83
NONANE
Concen: 0.14 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion: 43 Resp: 10356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 13.8 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

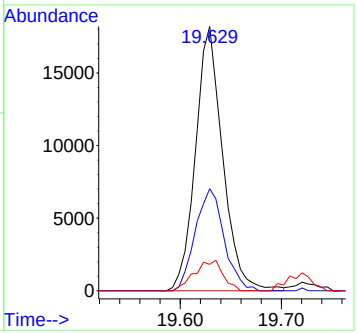





#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.23 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55676.D
Acq: 16 Dec 2024 11:21 pm

Tgt Ion:105 Resp: 34146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.7 | 22.6 | 82.6 |
| 119 | 12.1 | 69.7 | 129.7# |



# Manual Integration Approval Summary



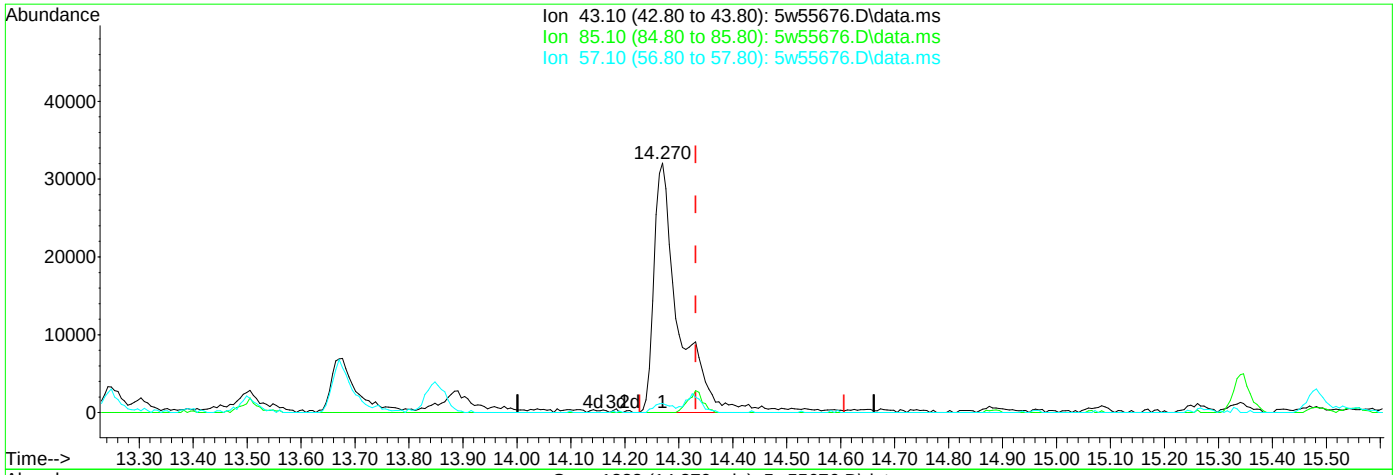
**Sample Number:** JE2487-6
**Lab FileID:** 5W55676.D
**Injection Time:** 12/16/24 23:21
**Method:** TO-15
**Analyst approved:** 12/17/24 19:19 Kristel Valladolid
**Supervisor approved:** 12/20/24 19:27 Kanya Veerawat

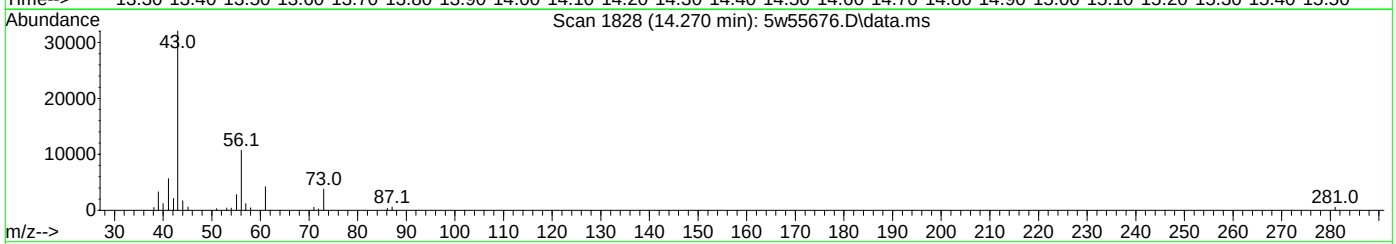
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Octane | 111-65-9 | | 14.33 | Overlapping peak |

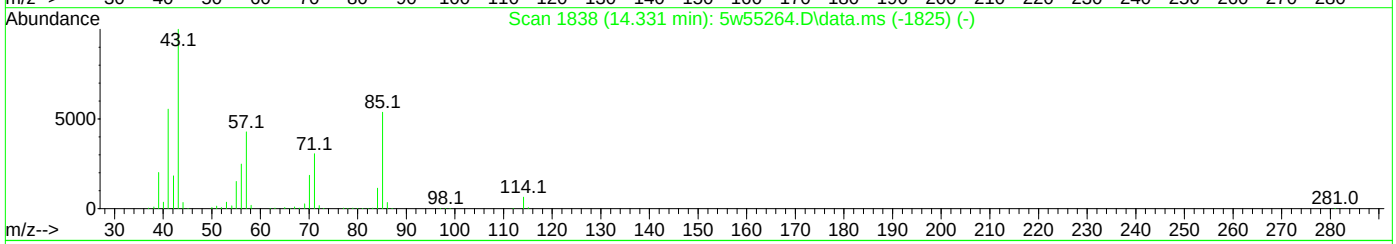
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55676.D
Acq On : 16 Dec 2024 11:21 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 11:31:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55676.D\data.ms

(76) OCTANE

14.270min (-0.061) 1.44PPBV

response 105902

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 85.10 | 43.70 | 0.00# |
| 57.10 | 39.90 | 2.62# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55771.D
Acq On : 20 Dec 2024 6:26 am
Operator : thomash
Sample : je2487-6 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 17:28:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

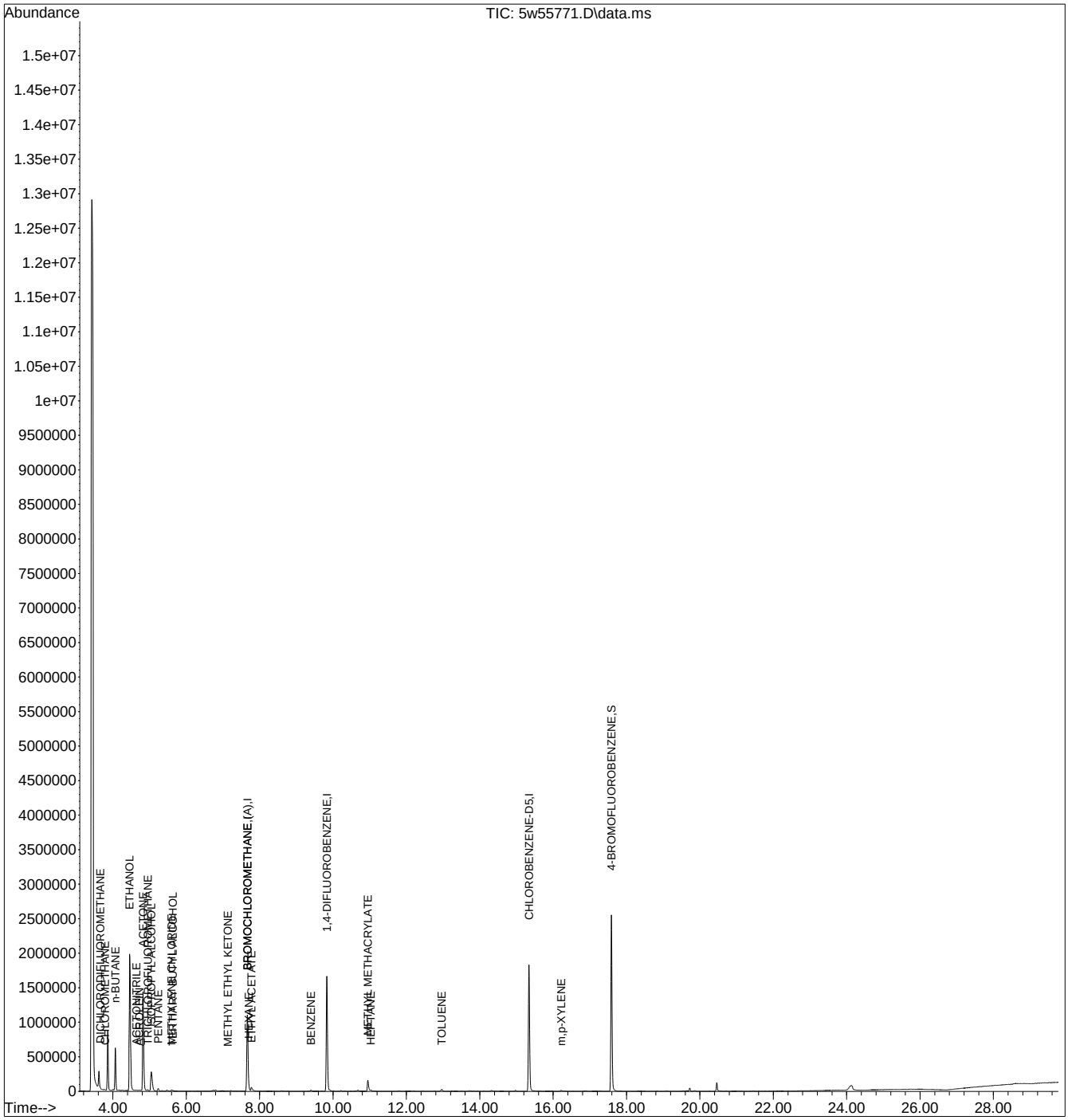
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 301213 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1412528 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 731117 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 301213 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 908005 | 11.10 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 14211 | 0.1291 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1744 | 0.1229 | PPBV # | 62 |
| 13) n-BUTANE | 4.066 | 43 | 521863 | 8.1098 | PPBV | 98 |
| 17) ACETONITRILE | 4.635 | 41 | 6343 | 0.1706 | PPBV # | 94 |
| 18) ACROLEIN | 4.720 | 56 | 2904 | 0.1789 | PPBV | 78 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 10324 | 0.1015 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.044 | 45 | 519084 | 8.0538 | PPBV | 95 |
| 23) ACETONE | 4.818 | 58 | 475782 | 19.5844 | PPBV # | 76 |
| 24) PENTANE | 5.234 | 42 | 17700 | 0.5528 | PPBV | 98 |
| 28) ETHANOL | 4.457 | 45 | 2633174 | 111.4736 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 6315 | 0.1999 | PPBV | 91 |
| 35) TERTIARY BUTYL ALCOHOL | 5.632 | 59 | 9228 | 0.1522 | PPBV # | 30 |
| 38) HEXANE | 7.706 | 57 | 12854 | 0.2724 | PPBV | 87 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 1577 | 0.1207 | PPBV # | 82 |
| 44) ETHYL ACETATE | 7.773 | 61 | 10305 | 1.0692 | PPBV # | 71 |
| 52) BENZENE | 9.400 | 78 | 17191 | 0.1679 | PPBV | 95 |
| 62) HEPTANE | 11.028 | 43 | 6736 | 0.1240 | PPBV | 85 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 80572 | 2.3672 | PPBV | 81 |
| 66) TOLUENE | 12.961 | 92 | 14591 | 0.2038 | PPBV | 94 |
| 80) m,p-XYLENE | 16.215 | 106 | 6156 | 0.1204 | PPBV | 97 |

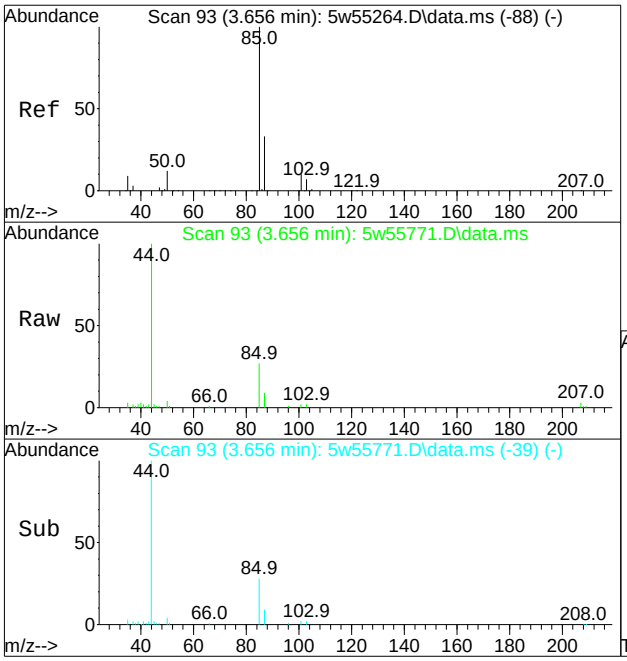
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55771.D
Acq On : 20 Dec 2024 6:26 am
Operator : thomash
Sample : je2487-6 Inst : GCMS5W
Misc : MS88104,V5W2135,100,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 20 17:28:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

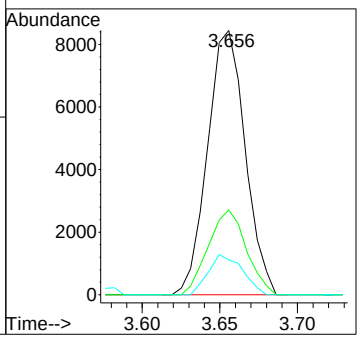


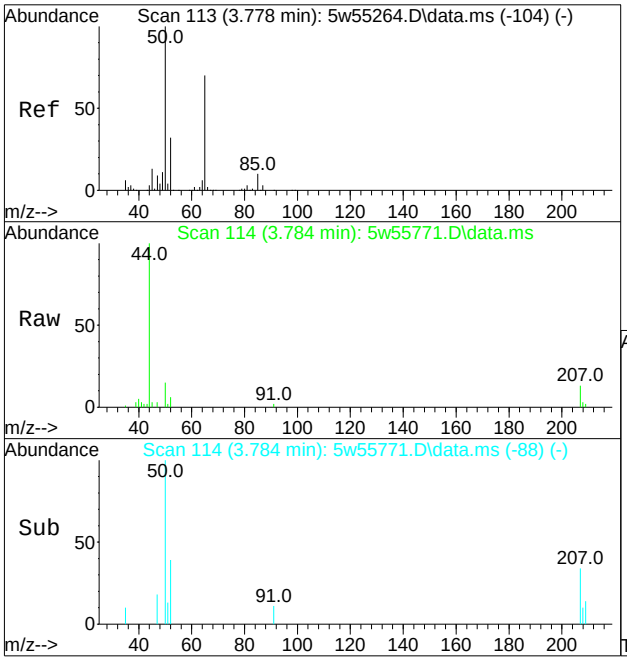



#6
DICHLORODIFLUOROMETHANE
Concen: 0.1291 PPBV
RT: 3.656 min Scan# 93
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 85 Resp: 14211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 2.6 | 62.6 |
| 50 | 13.8 | 0.0 | 43.0 |

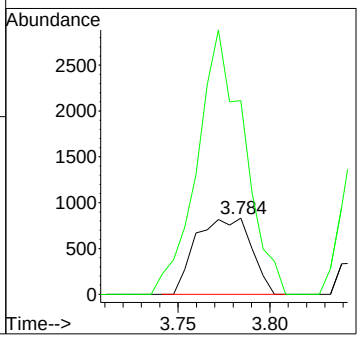


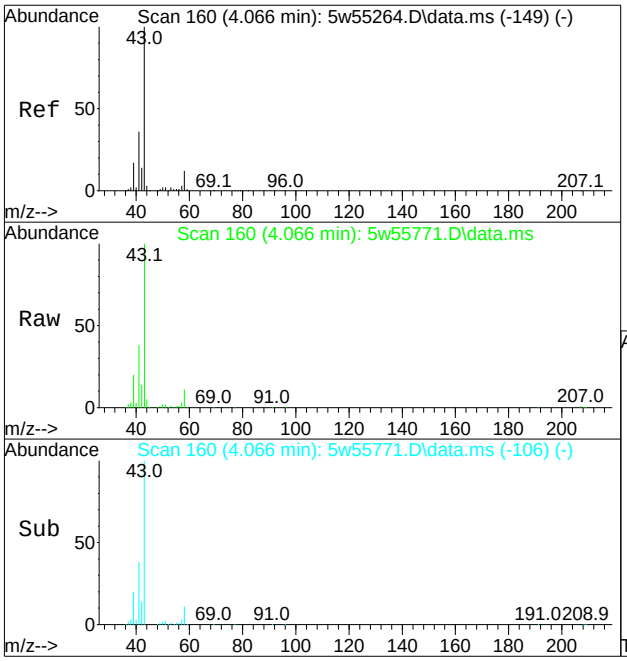




#10
CHLOROMETHANE
Concen: 0.1229 PPBV
RT: 3.784 min Scan# 114
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 52 Resp: 1744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 240.5 | 287.9 | 347.9# |

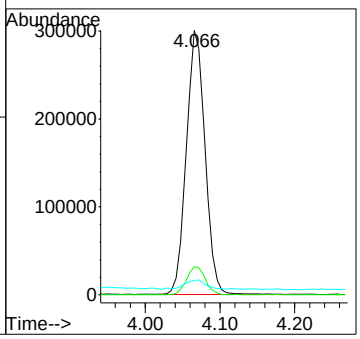


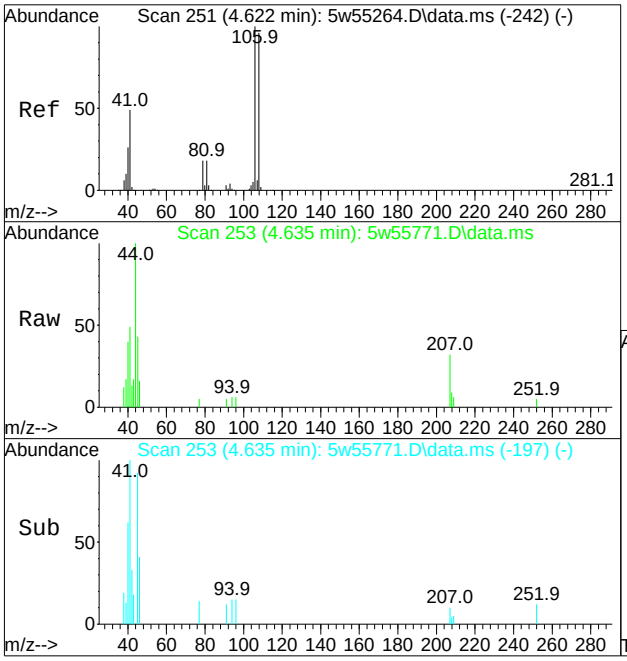



#13
n-BUTANE
Concen: 8.1098 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 43 Resp: 521863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.7 | 0.0 | 41.6 |
| 44 | 5.3 | 0.0 | 34.7 |

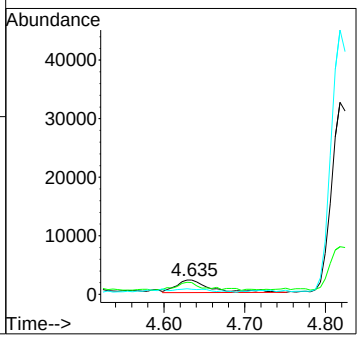


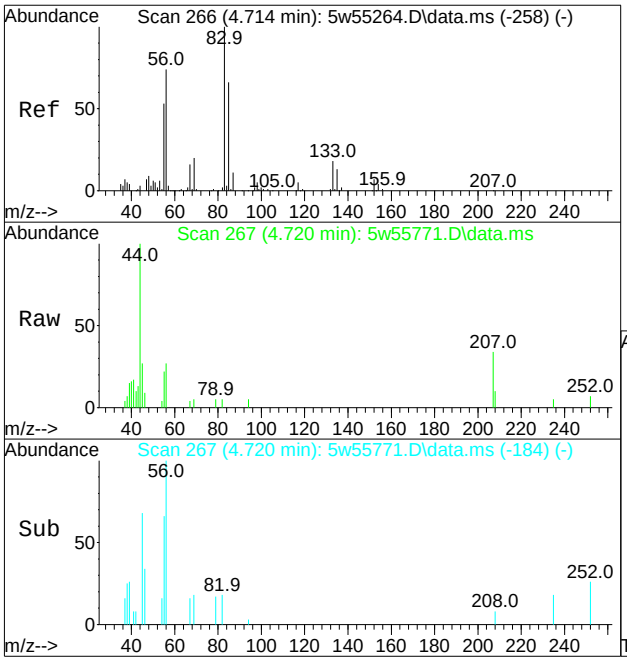




#17
ACETONITRILE
Concen: 0.1706 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 41 Resp: 6343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 54.3 | 38.4 | 71.4 |
| 39 | 28.9 | 13.7 | 25.5# |

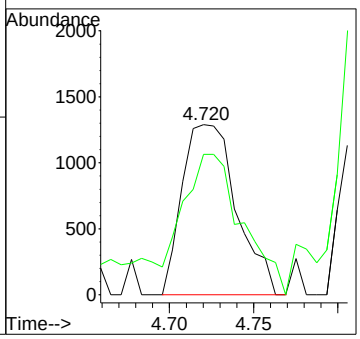


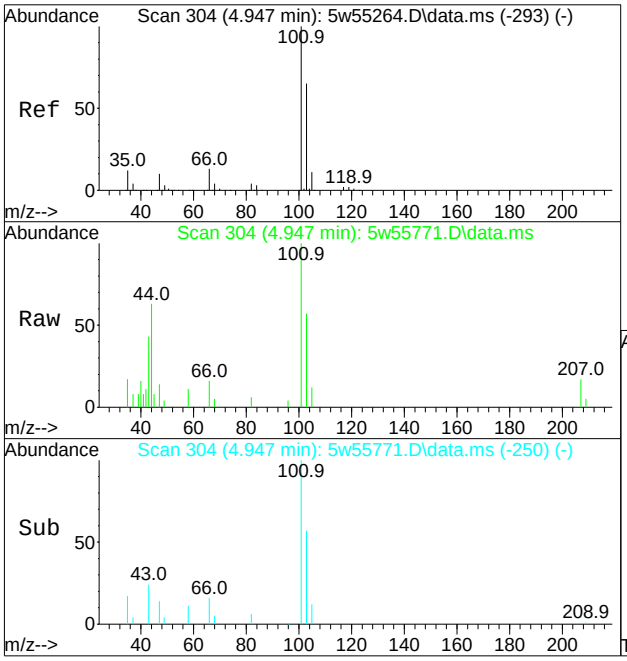



#18
ACROLEIN
Concen: 0.1789 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 56 Resp: 2904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 89.2 | 49.8 | 92.6 |

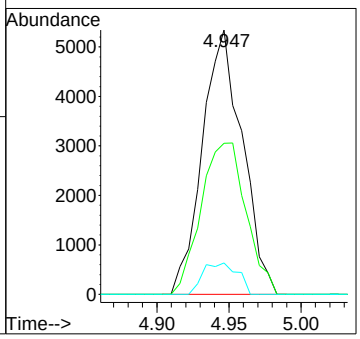


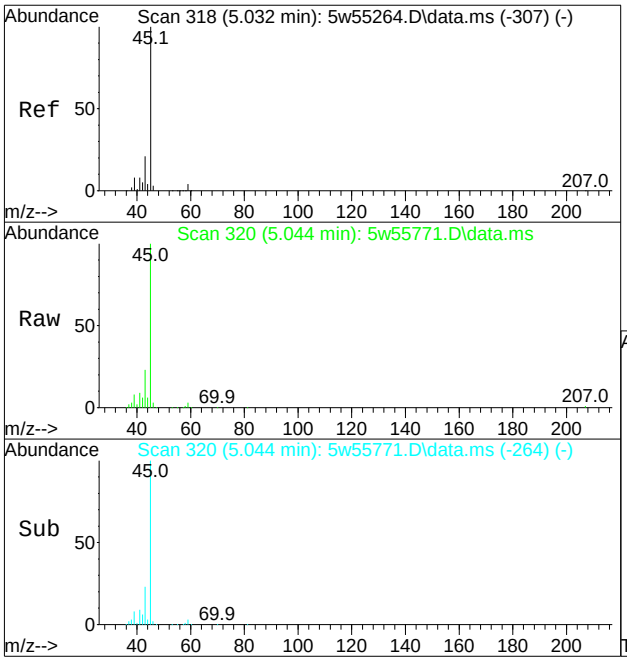




#21
TRICHLOROFLUOROMETHANE
Concen: 0.1015 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion:101 Resp: 10324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 34.7 | 94.7 |
| 105 | 10.4 | 0.0 | 40.5 |

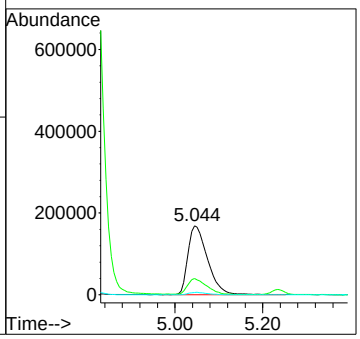


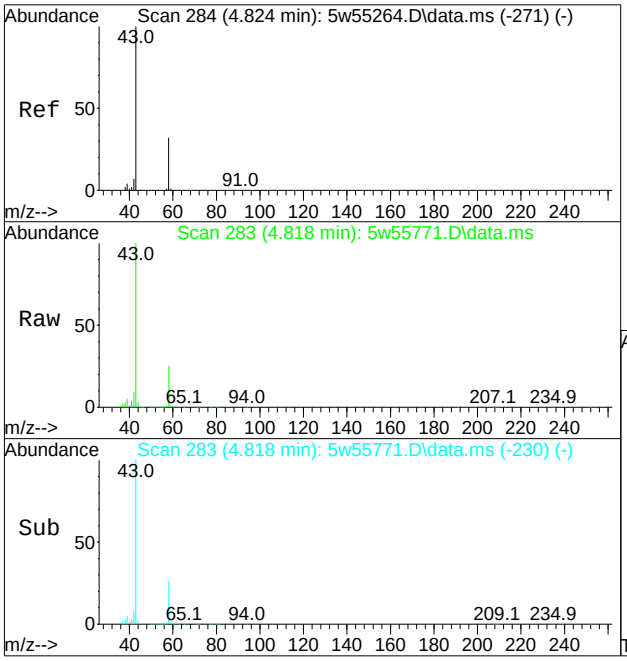



#22
ISOPROPYL ALCOHOL
Concen: 8.0538 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 45 Resp: 519084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 23.5 | 0.0 | 50.8 |
| 59 | 3.3 | 0.0 | 33.8 |

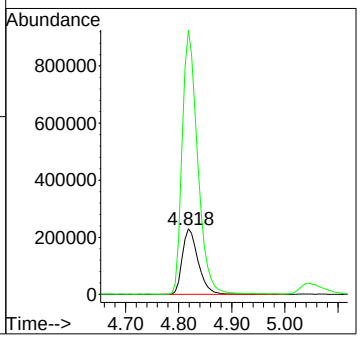


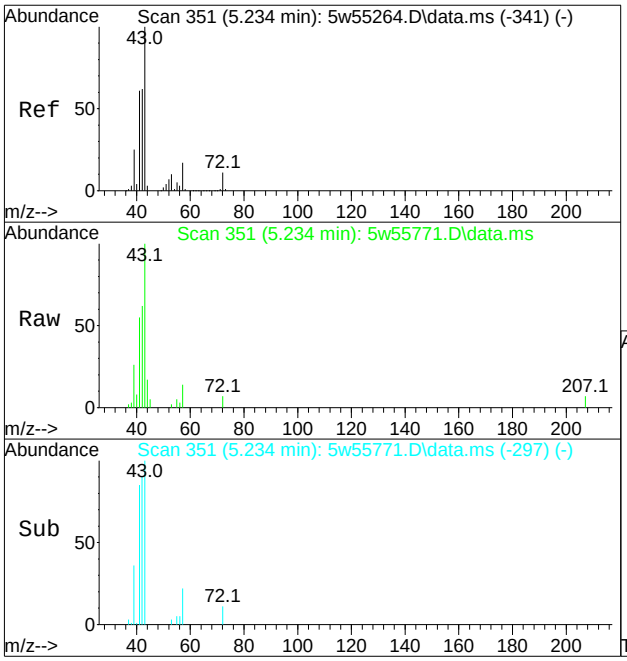




#23
ACETONE
Concen: 19.5844 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 58 Resp: 475782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 394.5 | 312.3 | 372.3# |

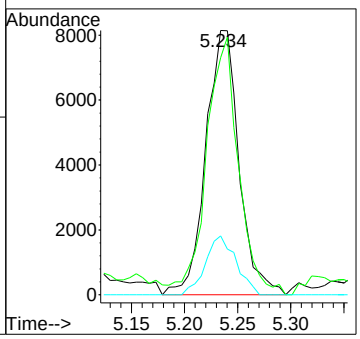


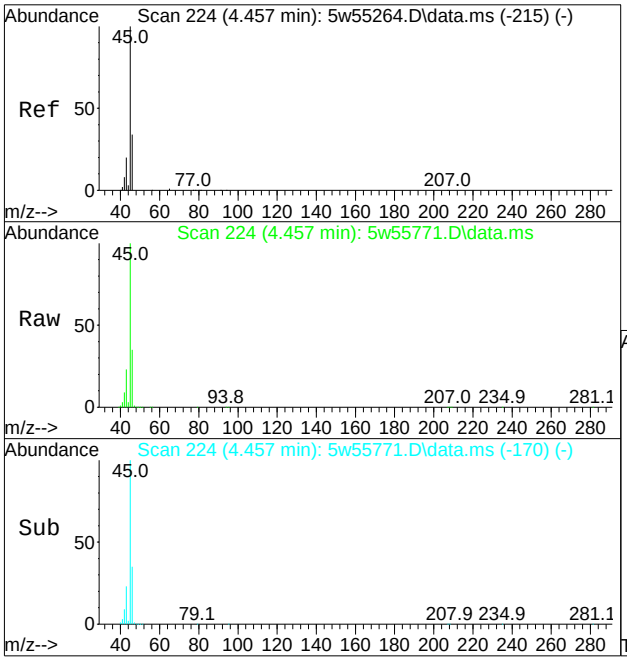



#24
PENTANE
Concen: 0.5528 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 42 Resp: 17700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 93.9 | 64.4 | 124.4 |
| 57 | 20.5 | 0.0 | 55.0 |

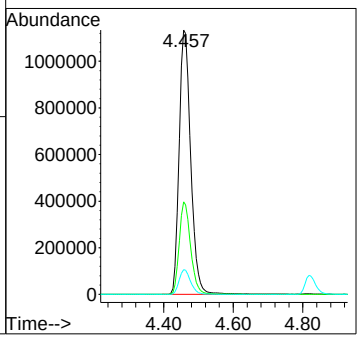


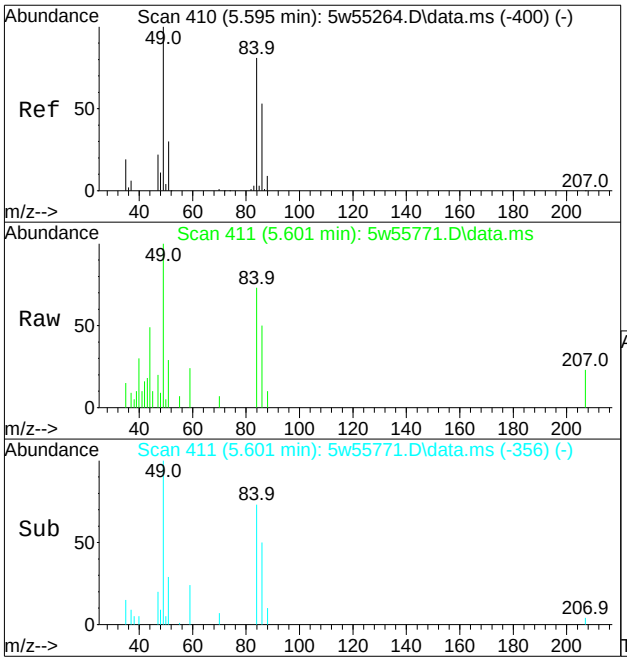




#28
ETHANOL
Concen: 111.4736 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 45 Resp: 2633174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.5 | 4.5 | 64.5 |
| 42 | 9.3 | 0.0 | 38.6 |

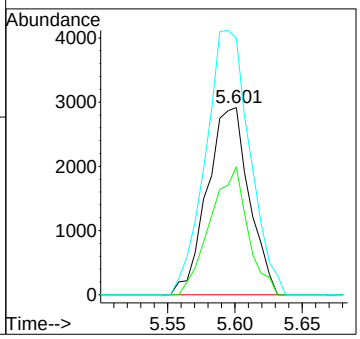


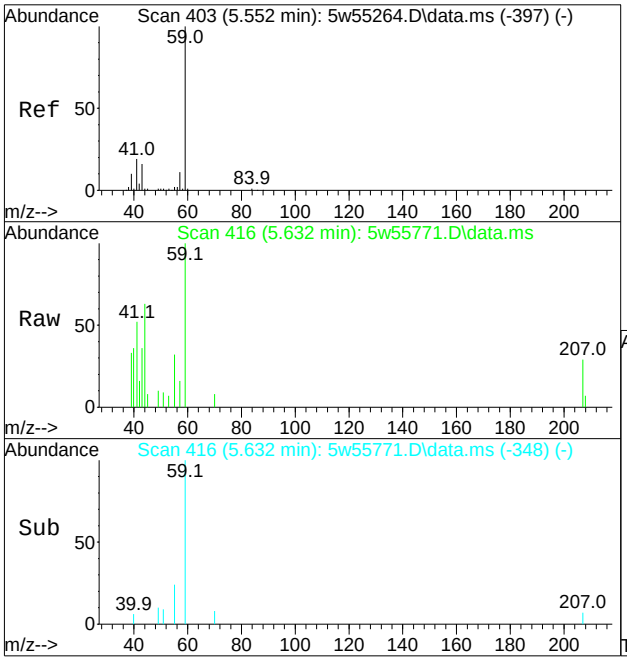



#31
METHYLENE CHLORIDE
Concen: 0.1999 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 84 Resp: 6315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.2 | 34.0 | 94.0 |
| 49 | 149.5 | 105.8 | 165.8 |

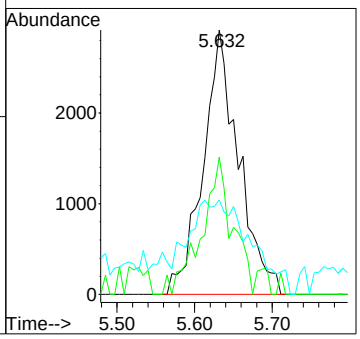


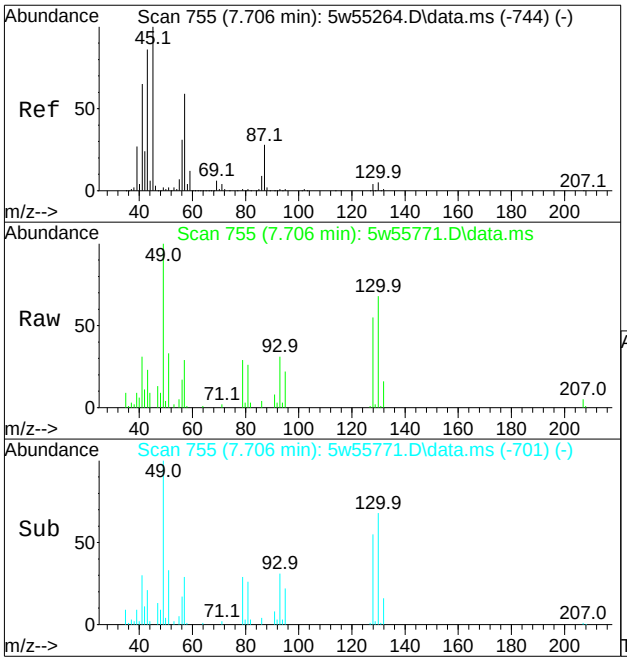




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1522 PPBV
RT: 5.632 min Scan# 416
Delta R.T. 0.085 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 59 Resp: 9228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 44.9 | 0.0 | 53.1 |
| 43 | 62.5 | 0.0 | 47.1# |

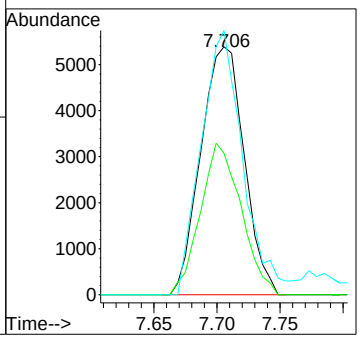


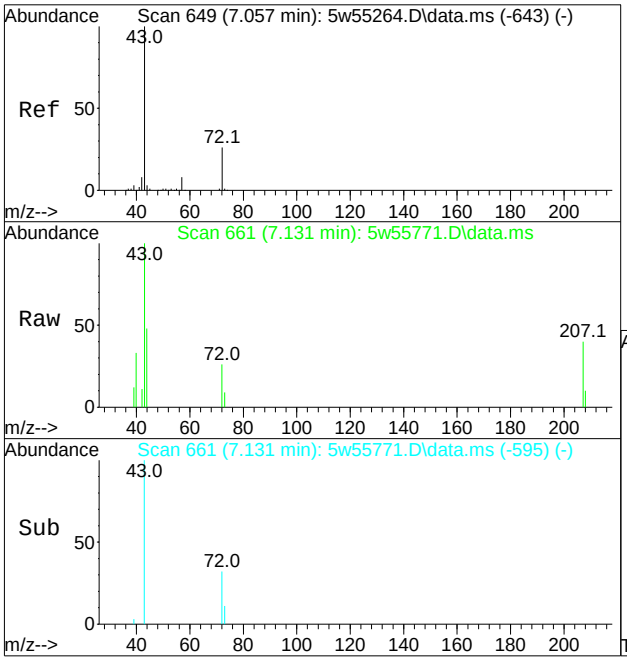



#38
HEXANE
Concen: 0.2724 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 57 Resp: 12854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.6 | 24.2 | 84.2 |
| 41 | 102.8 | 92.1 | 152.1 |

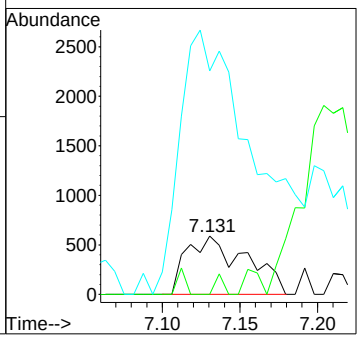


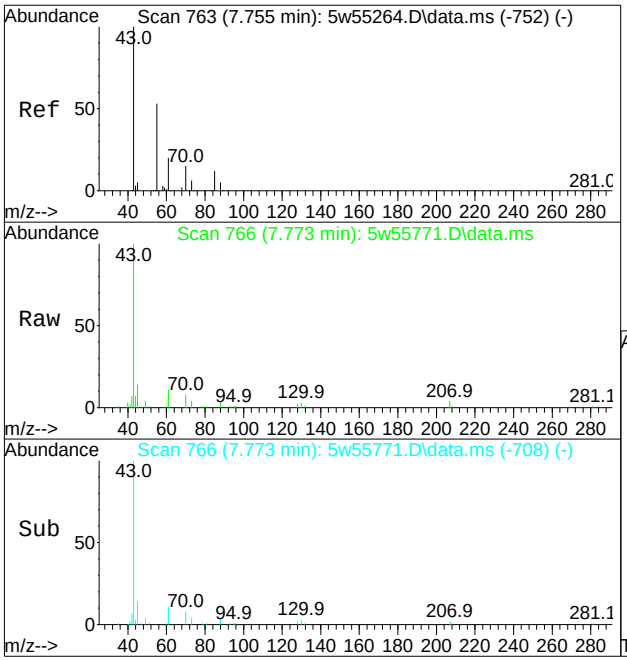




#41
METHYL ETHYL KETONE
Concen: 0.1207 PPBV
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 72 Resp: 1577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 382.5 | 390.6 | 450.6# |

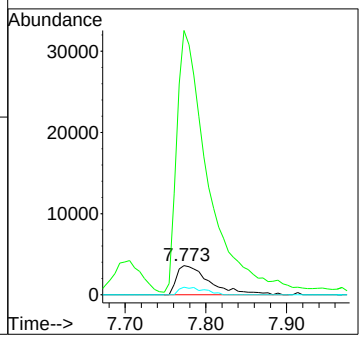


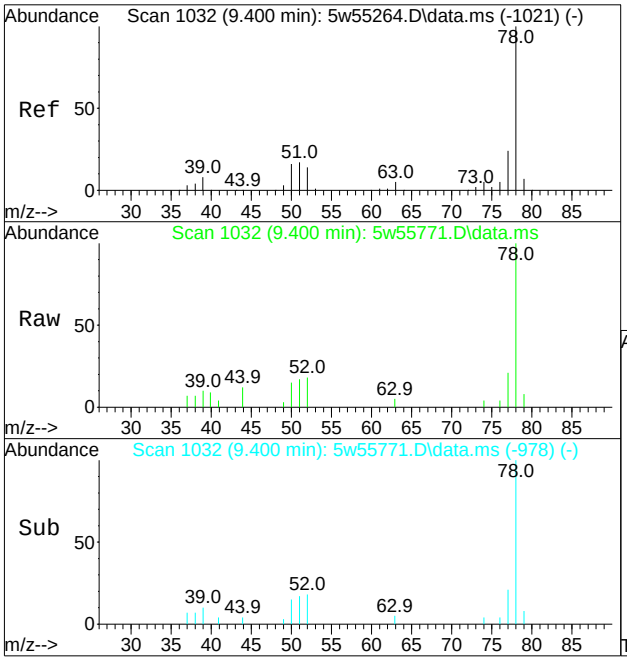



#44
ETHYL ACETATE
Concen: 1.0692 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 61 Resp: 10305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 882.1 | 0.0 | 30.0# |
| 88 | 19.8 | 7.3 | 67.3 |

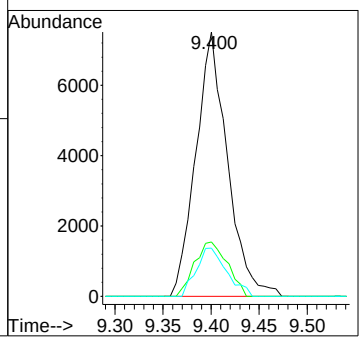


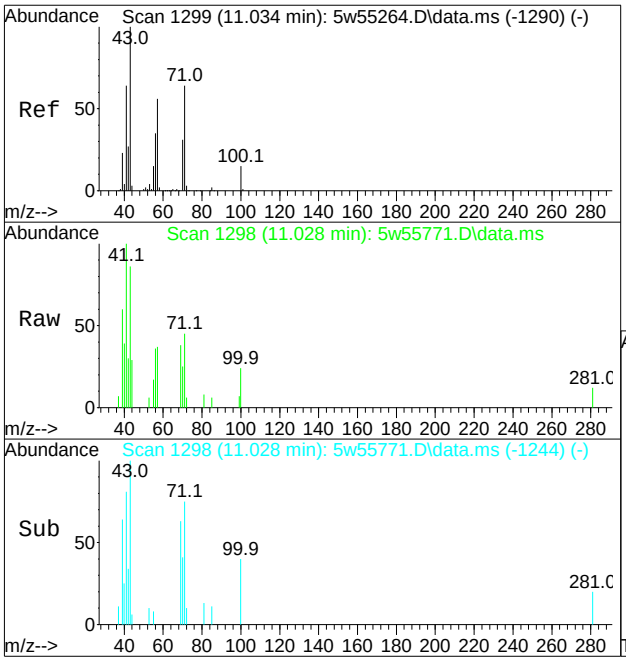




#52
BENZENE
Concen: 0.1679 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 78 Resp: 17191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 21.3 | 0.0 | 54.0 |
| 52 | 17.4 | 0.0 | 45.6 |

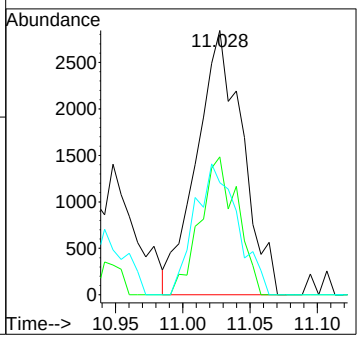


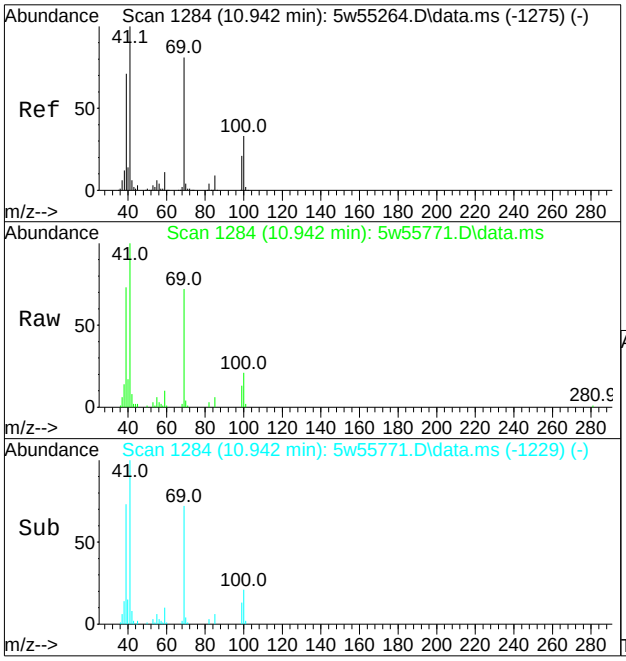



#62
HEPTANE
Concen: 0.1240 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 43 Resp: 6736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 42.6 | 27.2 | 87.2 |
| 57 | 46.2 | 22.5 | 82.5 |

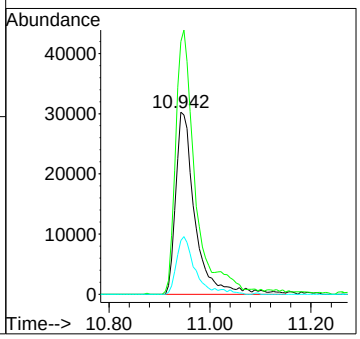


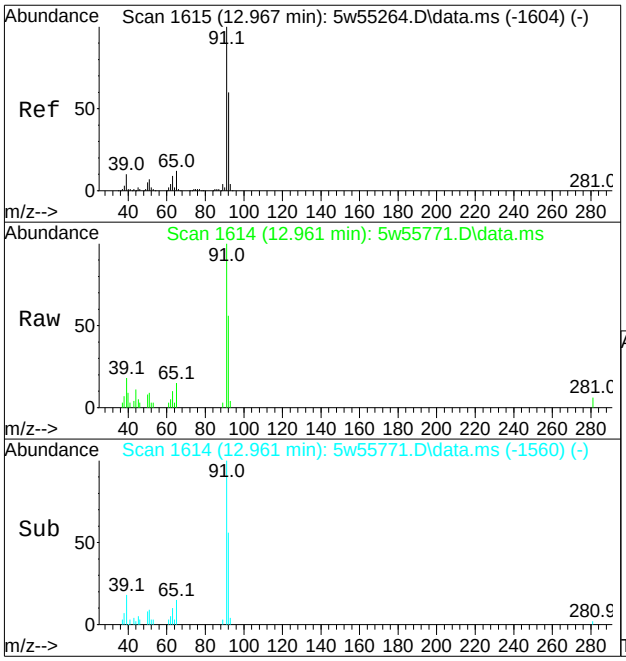




#63
METHYL METHACRYLATE
Concen: 2.3672 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 69 Resp: 80572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 153.1 | 97.3 | 157.3 |
| 100 | 30.9 | 3.0 | 63.0 |

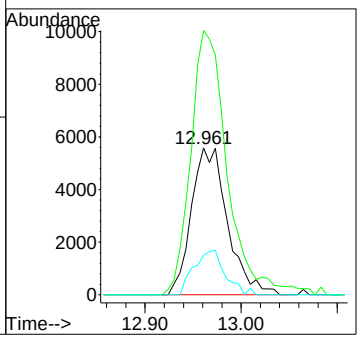


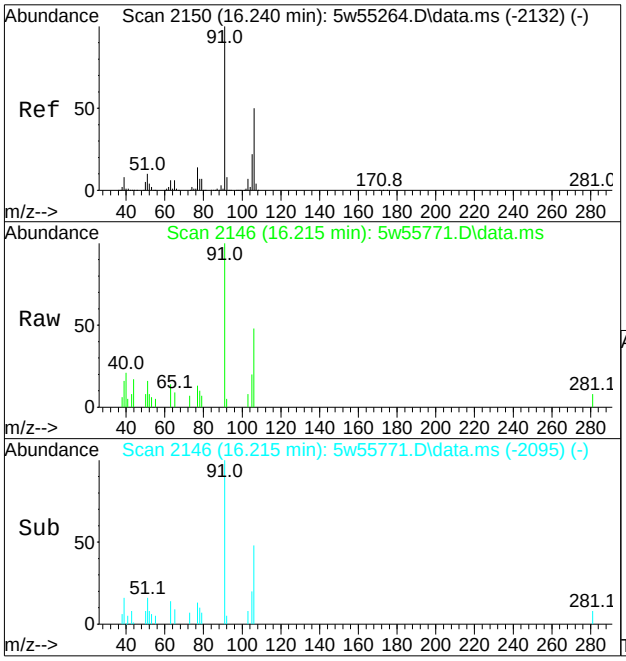



#66
TOLUENE
Concen: 0.2038 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion: 92 Resp: 14591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 182.2 | 143.4 | 203.4 |
| 65 | 26.1 | 0.0 | 53.8 |

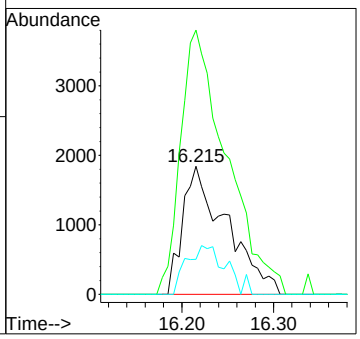



#80
m,p-XYLENE
Concen: 0.1204 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55771.D
Acq: 20 Dec 2024 6:26 am

Tgt Ion:106 Resp: 6156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.5 | 181.2 | 241.2 |
| 77 | 27.3 | 0.1 | 60.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

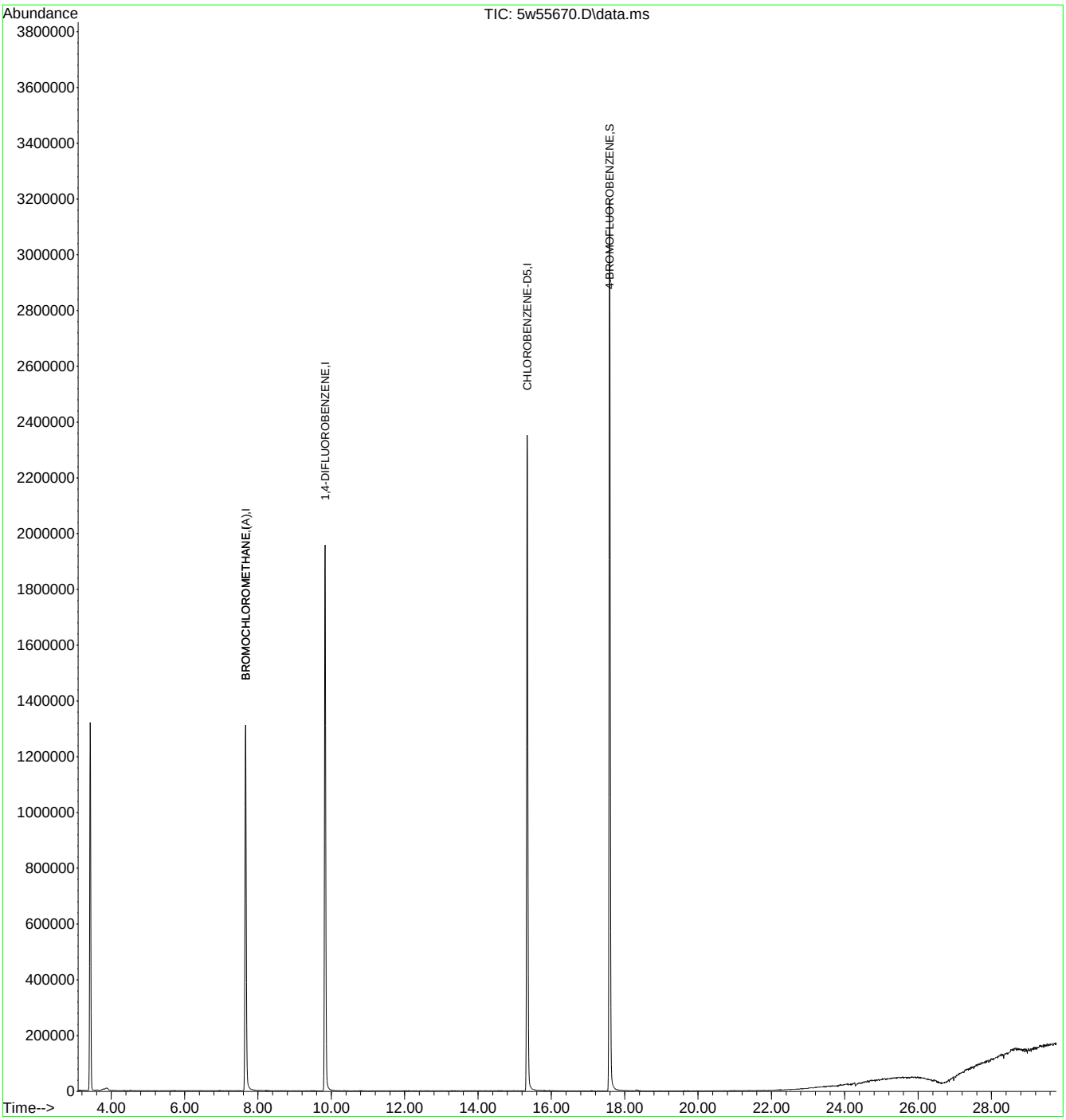
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1652348 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 979891 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1238048 | 11.29 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.90% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

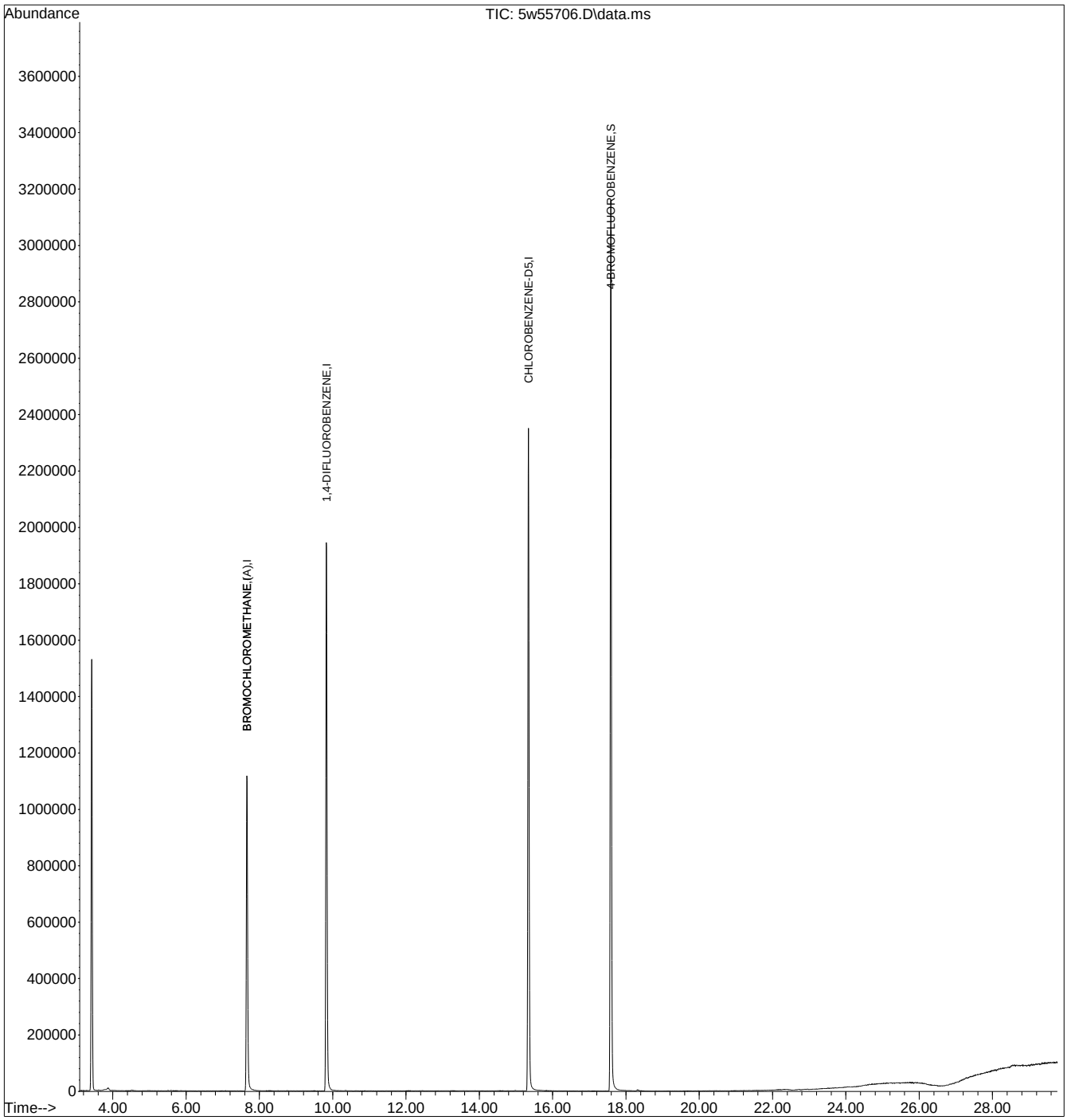
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1754729 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 953484 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1170287 | 10.97 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.70% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

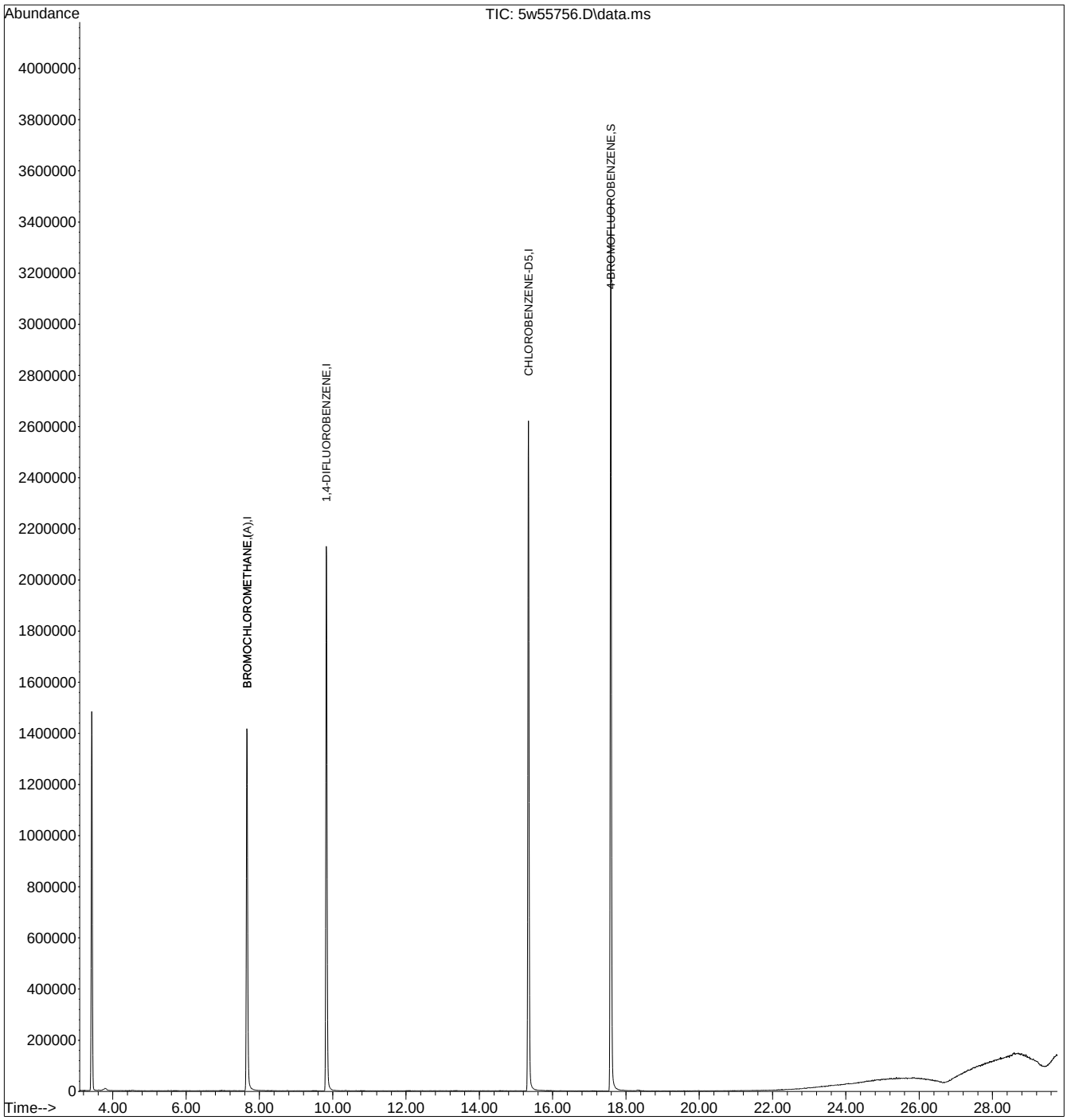
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 391902 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1871565 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 1053026 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 391902 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1278640 | 10.85 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.50% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55756.D
Acq On : 19 Dec 2024 7:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88278,V5W2135,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 20 13:45:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

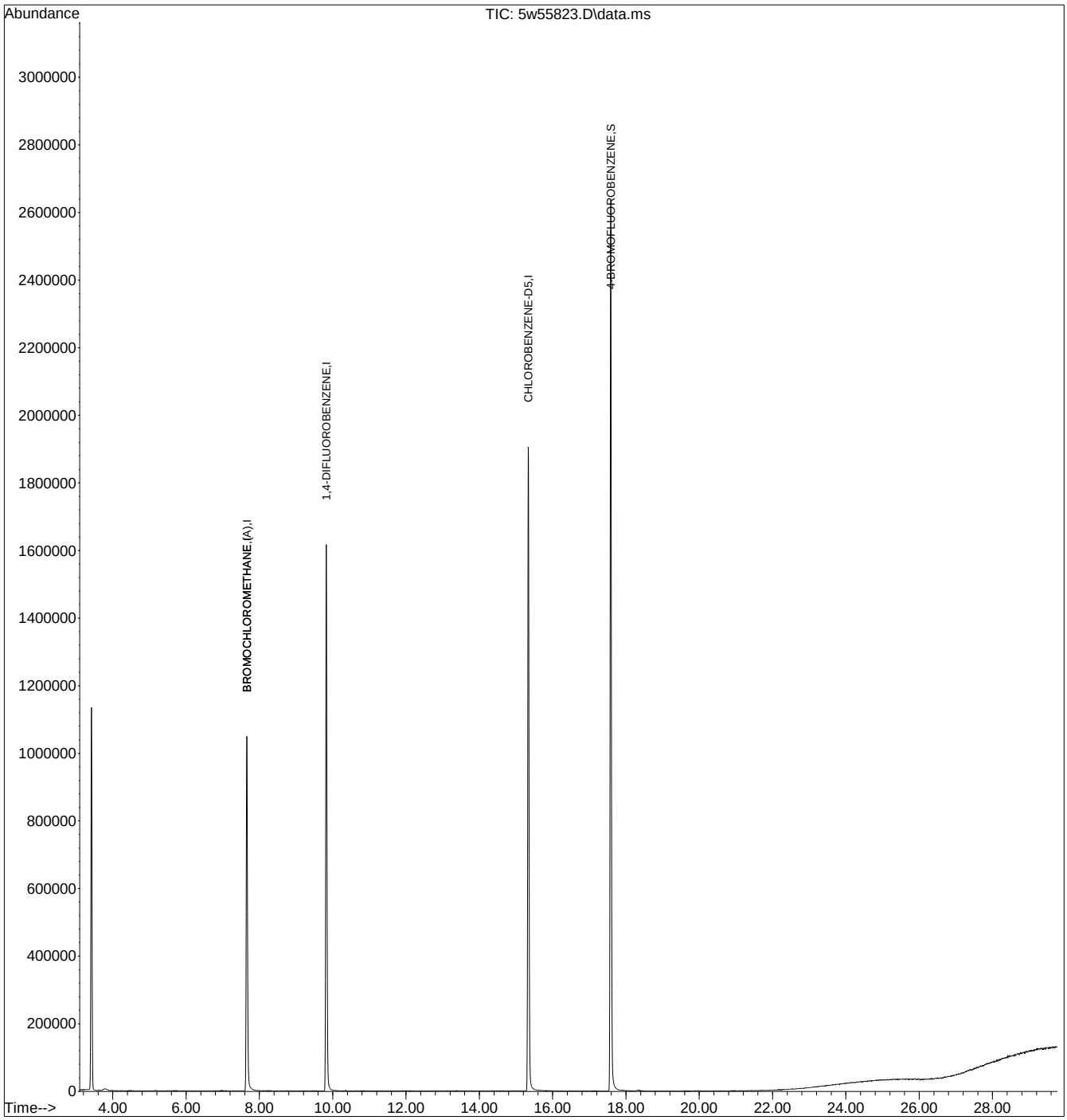
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 311710 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1493158 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 781178 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 311710 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 951244 | 10.88 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.80% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88783.d
Acq On : 19 Sep 2024 4:37 pm
Operator : thomash
Sample : mb Inst : GCMS-3W
Misc : MS85177,v3w3503,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:58:25 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

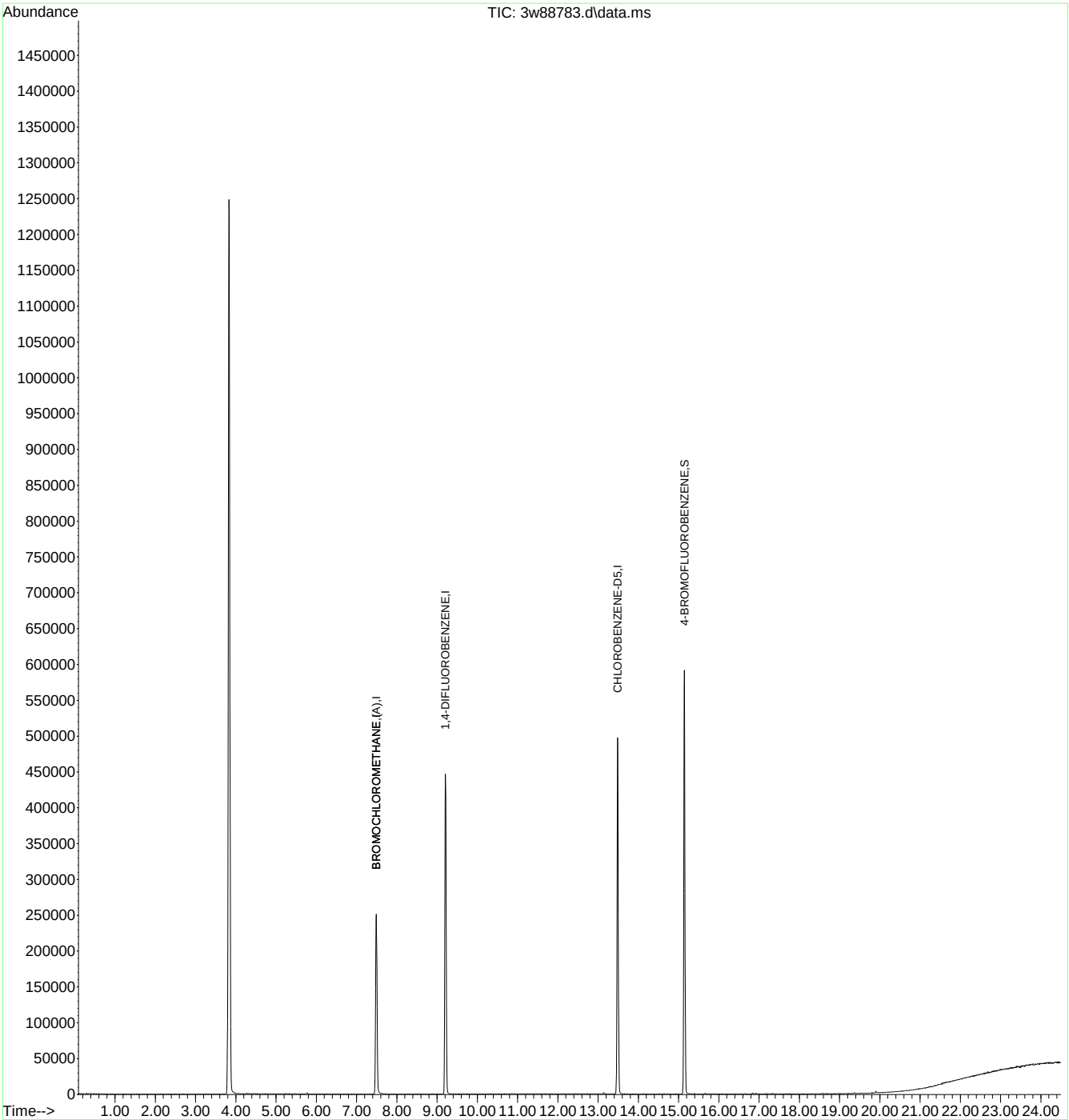
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 70106 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 359547 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 182840 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 70106 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 213344 | 9.59 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 95.90% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88783.d
Acq On : 19 Sep 2024 4:37 pm
Operator : thomash
Sample : mb Inst : GCMS-3W
Misc : MS85177,v3w3503,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 20 04:58:25 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 58077 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 294303 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 263172 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 58077 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 180668 | 9.36 | PPBV | 0.00 |

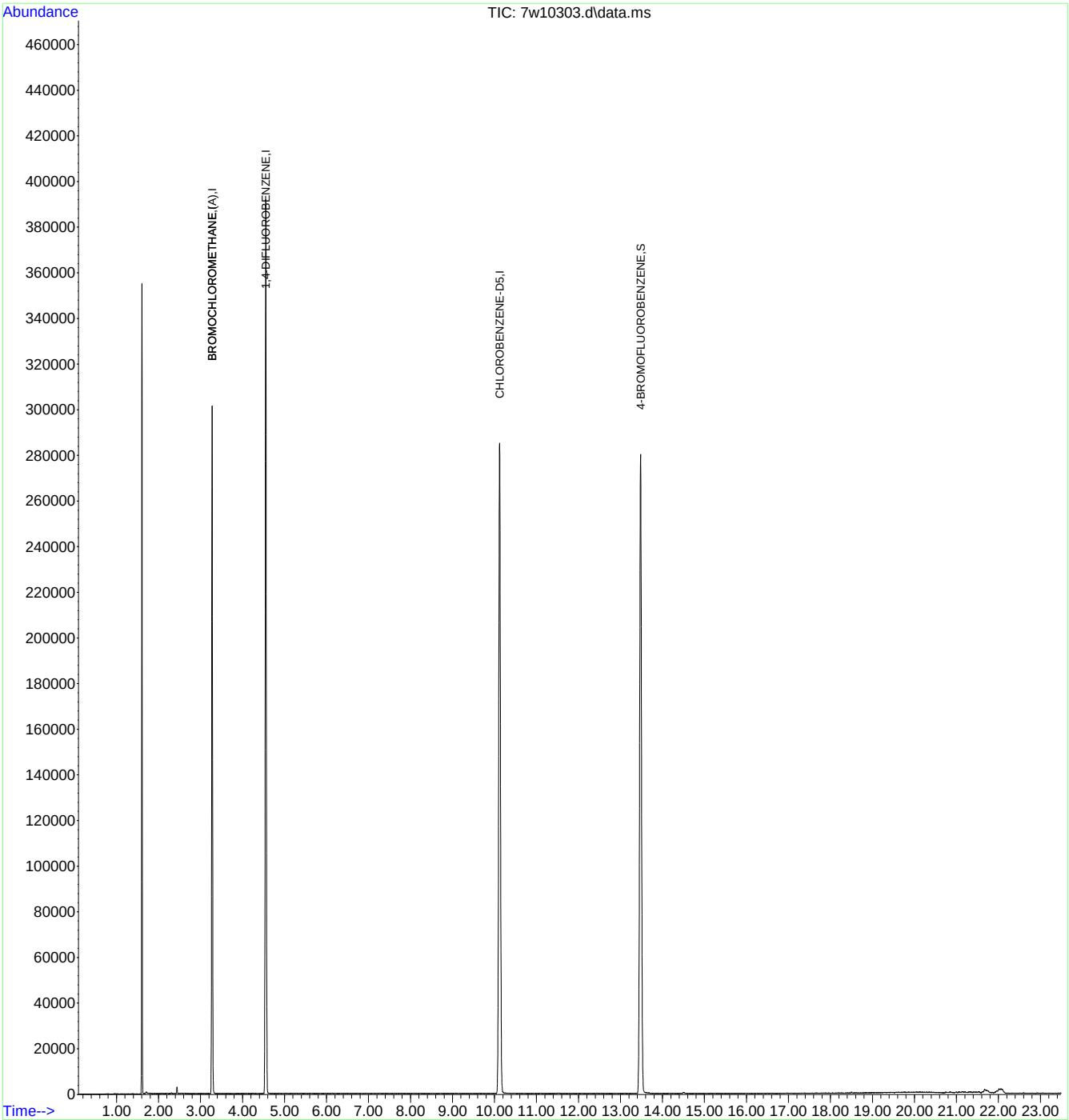
| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\November\07 November 2024\v7w379\
Data File : 7w10303.d
Acq On : 6 Nov 2024 11:42 am
Operator : thomash
Sample : mb
Misc : MS86560,v7w379,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 12:00:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327182 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 306459 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 198631 | 8.84 | PPBV | 0.00 |

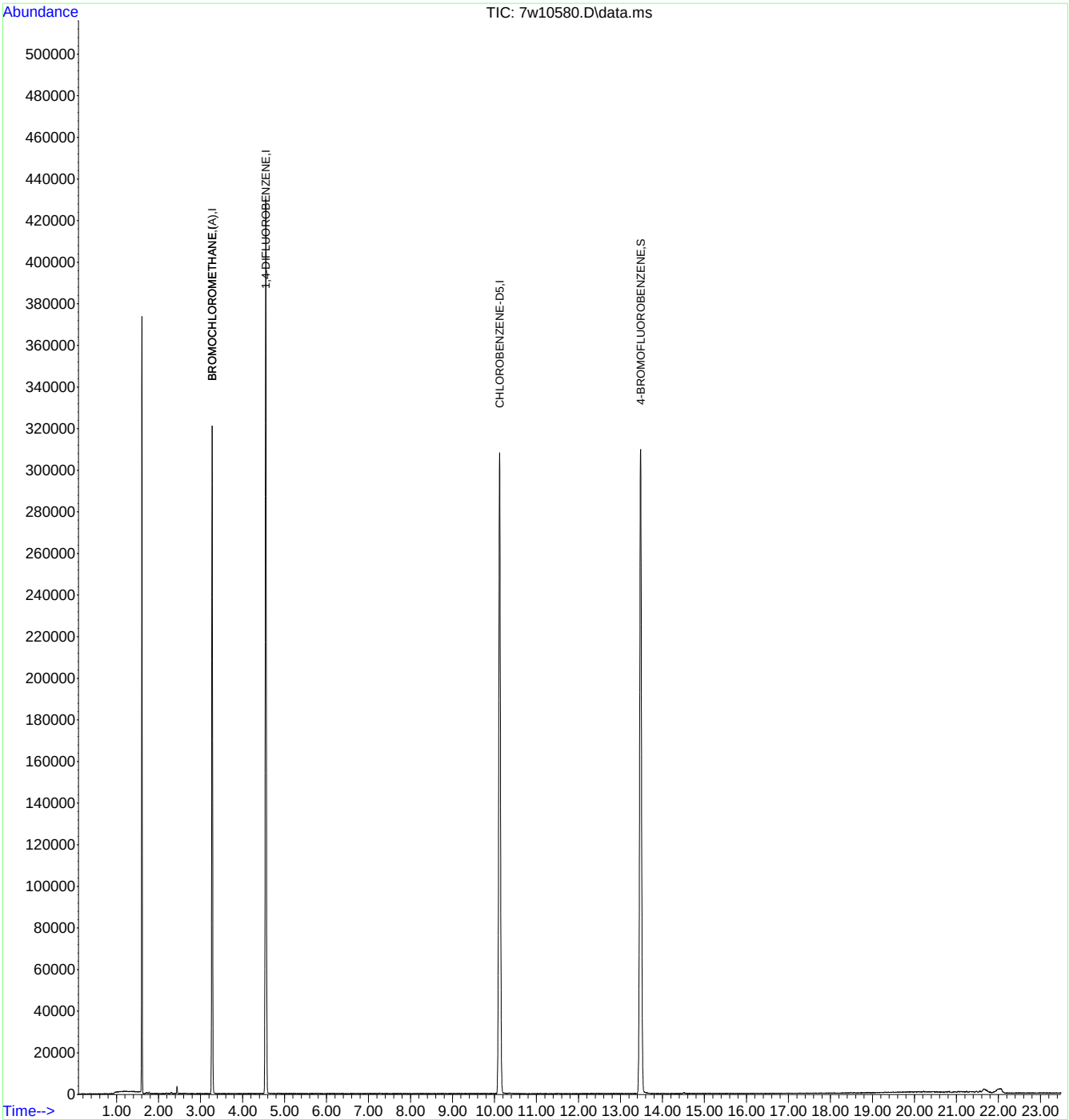
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

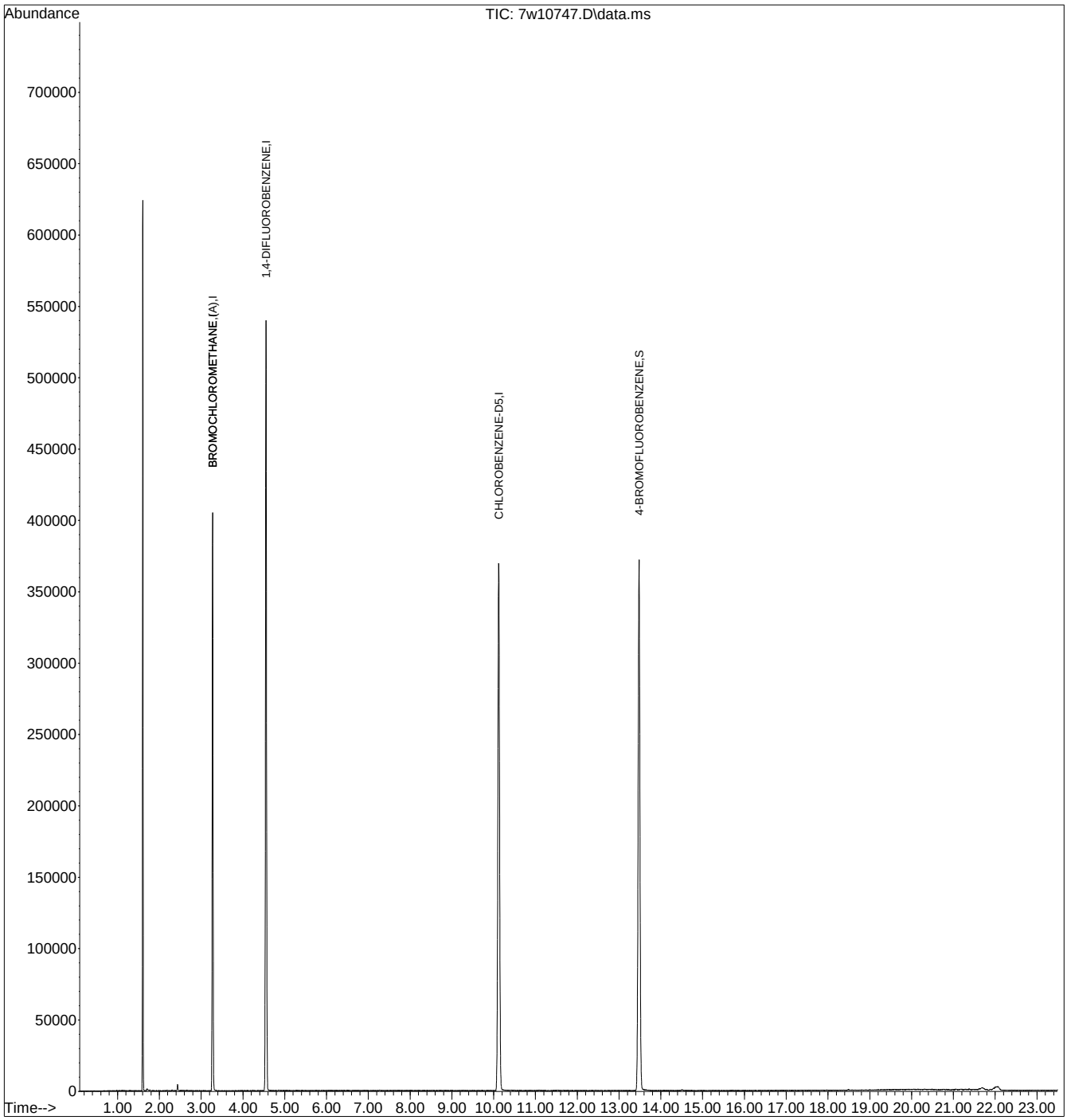
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 407451 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 332375 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 229102 | 9.40 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 341152 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.834 | 114 | 1550754 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 1025782 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 341152 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1127917 | 9.83 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 98.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 580306 | 12.43 | PPBV | | 87 |
| 3) FREON 152A | 3.545 | 65 | 320366 | 12.69 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 191839 | 14.66 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 593886 | 10.05 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1603255 | 12.86 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 377442 | 12.02 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1576918 | 12.35 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 1826484 | 11.94 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.772 | 52 | 145306 | 9.04 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 593830 | 10.49 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 365230 | 9.61 | PPBV | | 87 |
| 13) n-BUTANE | 4.065 | 43 | 709202 | 9.73 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 588794 | 9.87 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 268230 | 10.37 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1454240 | 11.37 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 385156 | 9.15 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 187042 | 10.17 | PPBV | | 95 |
| 19) FREON 123 | 4.732 | 83 | 1400928 | 10.88 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 711738 | 10.40 | PPBV | # | 77 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1391070 | 12.07 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 853947 | 11.70 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 219308 | 7.97 | PPBV | | 98 |
| 24) PENTANE | 5.228 | 42 | 444082 | 12.25 | PPBV | | 96 |
| 25) IODOMETHANE | 5.417 | 142 | 1205470 | 12.54 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 420428 | 11.77 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1312173 | 12.70 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 235793 | 8.81 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 520063 | 10.23 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 259121 | 9.07 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 401944 | 11.23 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 213502 | 12.94 | PPBV | | 94 |
| 33) FREON 113 | 5.815 | 151 | 730374 | 12.30 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 433959 | 11.50 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 874757 | 12.74 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1337052 | 13.82 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 207730 | 14.03 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 644426 | 12.06 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 79218 | 12.97 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 870259 | 12.41 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 214897 | 14.52 | PPBV | | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 462622 | 11.82 | PPBV | | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 202733 | 12.49 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.742 | 61 | 152383 | 13.96 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 796039 | 12.25 | PPBV | | 99 |
| 46) CHLOROFORM | 7.809 | 83 | 1106537 | 12.64 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 739946 | 12.66 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1116391 | 12.55 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1132473 | 12.05 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 801045 | 14.06 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1379509 | 12.27 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 545013 | 12.91 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 288914 | 12.67 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 662802 | 11.19 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.354 | 63 | 530631 | 11.12 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 725460 | 12.51 | PPBV | | 89 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 961698 | 12.78 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1296683 | 12.53 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2040937 | 11.96 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.666 | 88 | 310062 | 11.85 | PPBV | # | 90 |
| 62) | HEPTANE | 11.027 | 43 | 757294 | 12.70 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 515170 | 13.79 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 404769 | 12.74 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 949812 | 13.11 | PPBV | | 96 |
| 66) | TOLUENE | 12.954 | 92 | 914443 | 11.63 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 847453 | 12.25 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 878210 | 13.16 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 552789 | 11.64 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.352 | 58 | 582264 | 12.03 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 874856 | 12.35 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.459 | 164 | 724137 | 10.81 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1097363 | 10.07 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 911071 | 10.08 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1088115 | 12.08 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 692014 | 9.20 | PPBV | | 85 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1197071 | 9.07 | PPBV | | 91 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2114091 | 11.18 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1440067 | 20.07 | PPBV | | 89 |
| 81) | o-XYLENE | 16.900 | 106 | 711907 | 10.22 | PPBV | | 88 |
| 82) | STYRENE | 16.747 | 104 | 1092079 | 10.93 | PPBV | | 94 |
| 83) | NONANE | 17.304 | 43 | 1125028 | 11.97 | PPBV | | 99 |
| 84) | BROMOFORM | 16.283 | 173 | 1488858 | 13.36 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1490313 | 10.64 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1074166 | 10.63 | PPBV | | 92 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2085393 | 9.68 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1255606 | 10.31 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 495328 | 9.17 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 534380 | 9.78 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2103019 | 10.57 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1773968 | 10.43 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 834872 | 9.10 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 355440 | 9.58 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1917561 | 10.75 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1354118 | 9.64 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 2007420 | 10.49 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1326658 | 10.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 422729 | 9.55 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1886161 | 10.41 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 491728 | 9.45 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1233415 | 9.67 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 474883 | 9.92 | PPBV | # | 71 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 962829 | 10.79 | PPBV | # | 80 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1840228 | 15.34 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1342041 | 11.81 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2306330 | 9.25 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2904603 | 10.88 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

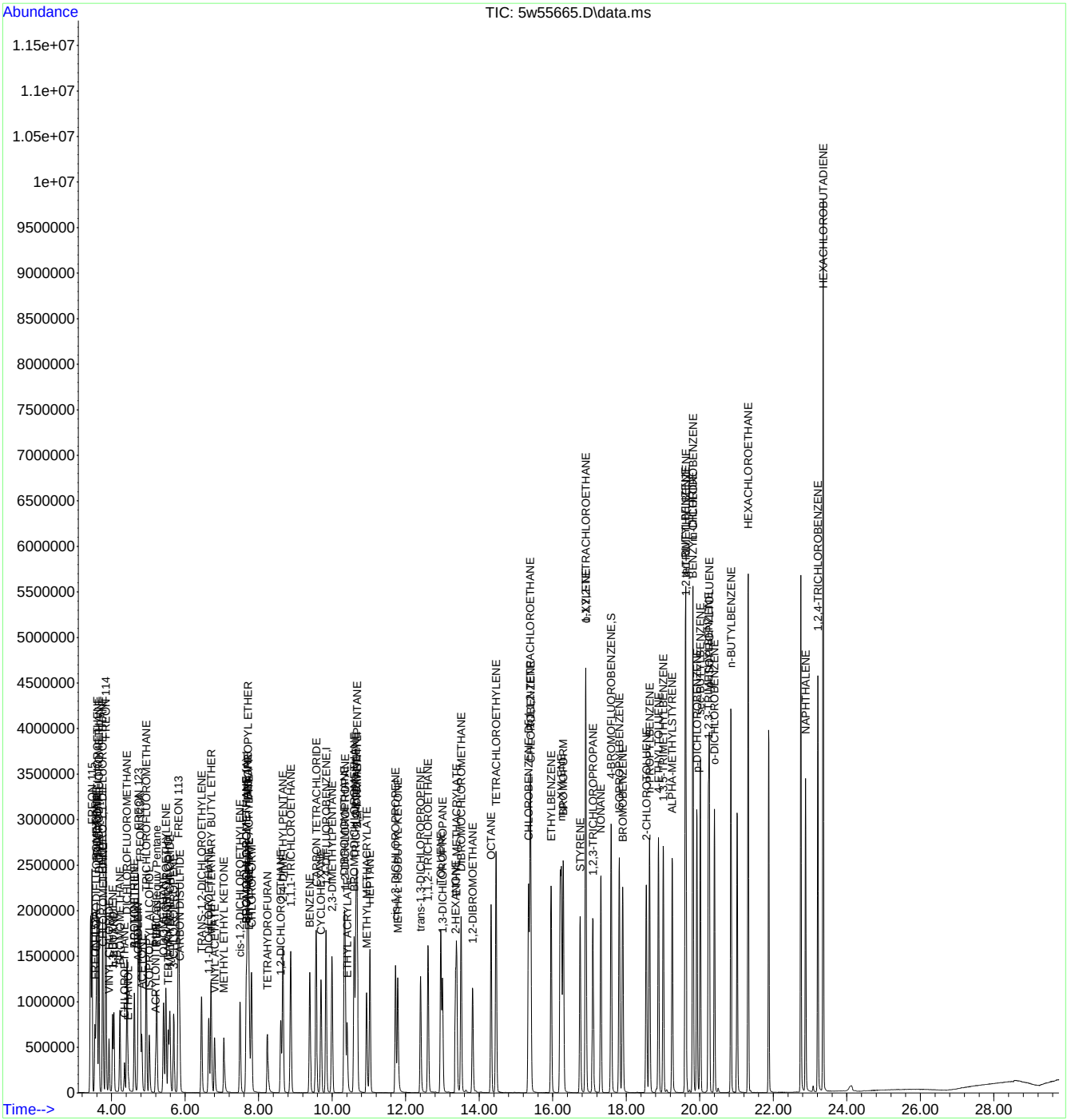
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 328331 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1518453 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 1014713 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 328331 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1136727 | 10.01 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 555178 | 12.35 | PPBV | | 85 |
| 3) FREON 152A | 3.546 | 65 | 298262 | 12.28 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 179176 | 14.23 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 562630 | 9.90 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1498087 | 12.49 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 352363 | 11.66 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1517988 | 12.35 | PPBV | | 97 |
| 9) FREON 114 | 3.846 | 85 | 1749402 | 11.89 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.772 | 52 | 143129 | 9.25 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 571565 | 10.49 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 353505 | 9.67 | PPBV | | 88 |
| 13) n-BUTANE | 4.066 | 43 | 695207 | 9.91 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 565818 | 9.86 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 261540 | 10.50 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1394933 | 11.33 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 377335 | 9.31 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 180626 | 10.21 | PPBV | | 96 |
| 19) FREON 123 | 4.733 | 83 | 1362523 | 11.00 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 678102 | 10.30 | PPBV | # | 74 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1309631 | 11.81 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 825912 | 11.76 | PPBV | | 97 |
| 23) ACETONE | 4.824 | 58 | 208886 | 7.89 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 434002 | 12.44 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1171331 | 12.66 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 413959 | 12.05 | PPBV | | 89 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1276726 | 12.84 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 235434 | 9.14 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 500800 | 10.24 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.204 | 52 | 255687 | 9.29 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 393250 | 11.42 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 210802 | 13.28 | PPBV | | 95 |
| 33) FREON 113 | 5.822 | 151 | 709168 | 12.41 | PPBV | | 94 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 421988 | 11.62 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 850202 | 12.86 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1311374 | 14.09 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 206222 | 14.47 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 635159 | 12.35 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 76616 | 13.03 | PPBV | | 97 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 853260 | 12.64 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 213129 | 14.96 | PPBV | | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 452352 | 12.00 | PPBV | | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 201877 | 12.92 | PPBV | | 98 |
| 44) ETHYL ACETATE | 7.749 | 61 | 150172 | 14.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 780033 | 12.47 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1100436 | 13.06 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 729392 | 12.96 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1109698 | 12.97 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 1119558 | 12.38 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 794532 | 14.49 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1366132 | 12.41 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 537723 | 13.01 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 292100 | 13.09 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 655950 | 11.31 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 529733 | 11.34 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 706390 | 12.44 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 966237 | 13.11 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 1285318 | 12.69 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 2031240 | 12.15 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 307176 | 11.98 | PPBV | # | 76 |
| 62) | HEPTANE | 11.028 | 43 | 762656 | 13.06 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 507798 | 13.88 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 408240 | 13.13 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 947874 | 13.36 | PPBV | | 94 |
| 66) | TOLUENE | 12.961 | 92 | 909579 | 11.82 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 854641 | 12.62 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 869187 | 13.31 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 548990 | 11.81 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.359 | 58 | 585868 | 12.24 | PPBV | | 92 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 887314 | 12.66 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 720325 | 10.87 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 1101331 | 10.22 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 916866 | 10.26 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1085591 | 12.18 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 686934 | 9.23 | PPBV | | 85 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1196746 | 9.16 | PPBV | | 91 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 2119009 | 11.33 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1448698 | 20.41 | PPBV | | 88 |
| 81) | o-XYLENE | 16.901 | 106 | 717058 | 10.41 | PPBV | | 87 |
| 82) | STYRENE | 16.748 | 104 | 1110118 | 11.23 | PPBV | | 94 |
| 83) | NONANE | 17.311 | 43 | 1144866 | 12.31 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 1493118 | 13.54 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1515358 | 10.94 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1079973 | 10.80 | PPBV | | 92 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2094103 | 9.82 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1265597 | 10.51 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 493203 | 9.23 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 535093 | 9.90 | PPBV | | 98 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2144969 | 10.90 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1796773 | 10.68 | PPBV | | 96 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 838767 | 9.24 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 358973 | 9.78 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1957876 | 11.10 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1368807 | 9.85 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2032236 | 10.73 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1325705 | 10.22 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 428188 | 9.77 | PPBV | # | 86 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1891681 | 10.56 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 497775 | 9.67 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1241771 | 9.85 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 477396 | 10.08 | PPBV | # | 68 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 982618 | 11.13 | PPBV | # | 80 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 2014121 | 16.97 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1459847 | 12.99 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2414020 | 9.79 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2817019 | 10.96 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

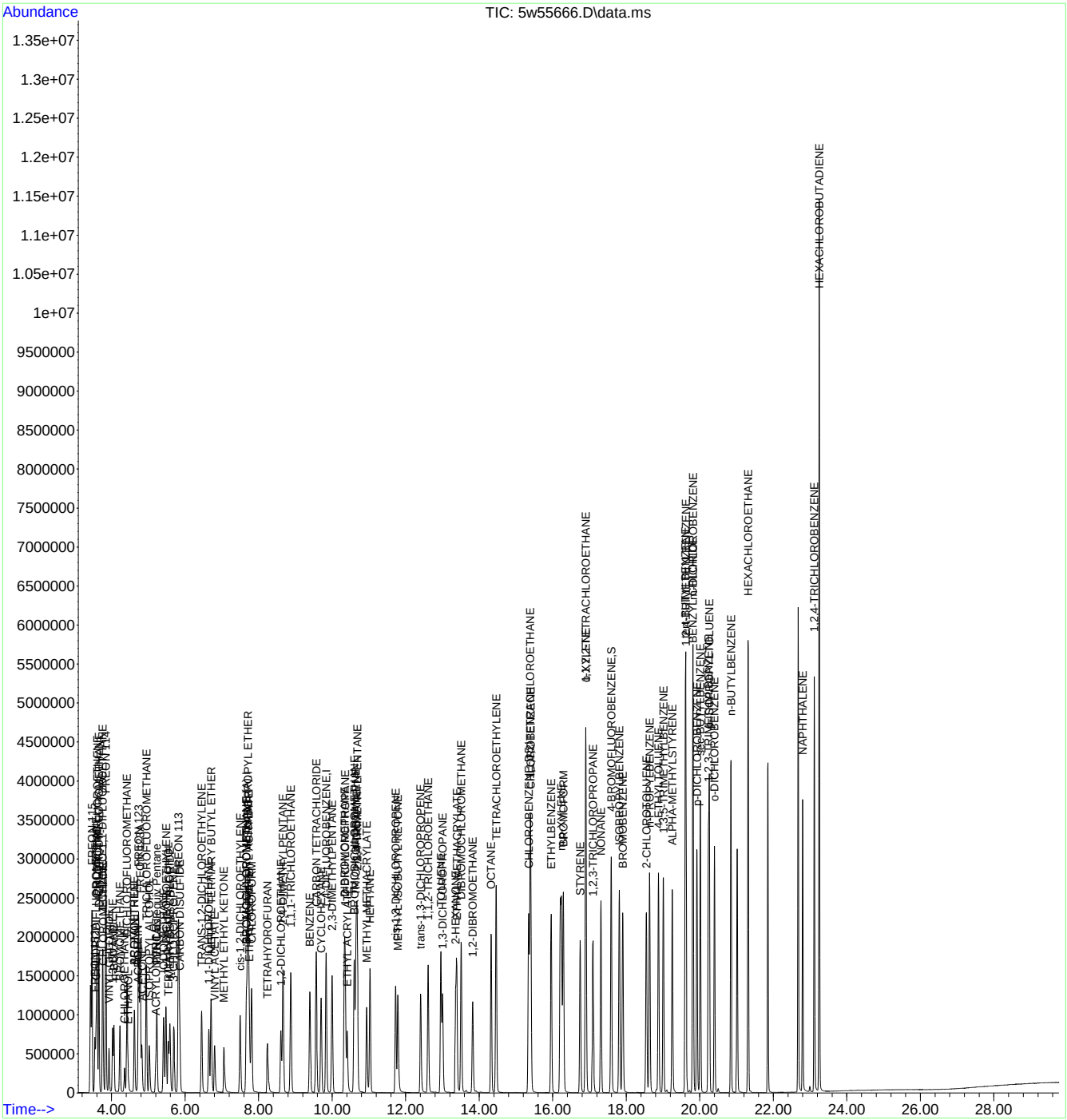
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1454050 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 902926 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1012991 | 10.02 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 565739 | 13.1668 | PPBV | 91 |
| 3) FREON 152A | 3.539 | 65 | 284375 | 12.2452 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 159275 | 13.2268 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 564184 | 10.3804 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1415187 | 12.3372 | PPBV | 99 |
| 7) PROPYLENE | 3.594 | 41 | 354111 | 12.2570 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1323070 | 11.2633 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1523848 | 10.8301 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.766 | 52 | 140759 | 9.5156 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 501674 | 9.6309 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 328641 | 9.4013 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 677176 | 10.0983 | PPBV | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 501334 | 9.1337 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 221160 | 9.2911 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1186539 | 10.0844 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 382031 | 9.8628 | PPBV | 99 |
| 18) ACROLEIN | 4.708 | 56 | 172478 | 10.1971 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1197754 | 10.1145 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 626407 | 9.9483 | PPBV | 87 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1226758 | 11.5726 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 790681 | 11.7722 | PPBV | 97 |
| 23) ACETONE | 4.818 | 58 | 188311 | 7.4382 | PPBV # | 75 |
| 24) PENTANE | 5.228 | 42 | 412053 | 12.3497 | PPBV | 96 |
| 25) IODOMETHANE | 5.411 | 142 | 1095345 | 12.3862 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 369495 | 11.2461 | PPBV | 92 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1178475 | 12.3977 | PPBV | 97 |
| 28) ETHANOL | 4.451 | 45 | 234765 | 9.5372 | PPBV | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 463255 | 9.9074 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 244683 | 9.3040 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 349487 | 10.6154 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 190768 | 12.5662 | PPBV # | 87 |
| 33) FREON 113 | 5.815 | 151 | 700101 | 12.8166 | PPBV | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 391118 | 11.2651 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 757111 | 11.9832 | PPBV | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1179737 | 13.2568 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 184127 | 13.5162 | PPBV | 90 |
| 38) HEXANE | 7.699 | 57 | 608636 | 12.3752 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 69299 | 12.3275 | PPBV # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 782820 | 12.1315 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 193409 | 14.2049 | PPBV # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 420664 | 11.6767 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 186180 | 12.4621 | PPBV # | 85 |
| 44) ETHYL ACETATE | 7.742 | 61 | 140521 | 13.9905 | PPBV # | 97 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 787676 | 13.1741 | PPBV | 98 |
| 46) CHLOROFORM | 7.803 | 83 | 999111 | 12.3991 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 691755 | 12.8610 | PPBV | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1006425 | 12.3007 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1065043 | 12.3166 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 713469 | 13.6130 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1257021 | 11.9271 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 486536 | 12.2895 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 259732 | 12.1515 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 606209 | 10.9106 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 487323 | 10.8937 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 698985 | 12.8515 | PPBV | | 85 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 966249 | 13.6926 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1178495 | 12.1464 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1917970 | 11.9840 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 278430 | 11.3444 | PPBV | | 92 |
| 62) | HEPTANE | 11.027 | 43 | 734912 | 13.1469 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 466996 | 13.3286 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 380109 | 12.7624 | PPBV | # | 84 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 867878 | 12.7711 | PPBV | | 93 |
| 66) | TOLUENE | 12.955 | 92 | 833668 | 11.3092 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 782394 | 12.0642 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 789840 | 12.6276 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 514691 | 11.5580 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.358 | 58 | 543573 | 12.7616 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 807428 | 12.9466 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 702048 | 11.9038 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1035622 | 10.7992 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 887287 | 11.1580 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1070818 | 13.5020 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 668416 | 10.0948 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1154772 | 9.9346 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1956239 | 11.7515 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1371318 | 21.7102 | PPBV | | 92 |
| 81) | o-XYLENE | 16.900 | 106 | 681674 | 11.1179 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1052497 | 11.9681 | PPBV | | 95 |
| 83) | NONANE | 17.310 | 43 | 1118669 | 13.5163 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1443015 | 14.7072 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1389683 | 11.2759 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 990307 | 11.1286 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1992471 | 10.5020 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1163694 | 10.8599 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 481256 | 10.1243 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 515888 | 10.7259 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2026620 | 11.5739 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1698402 | 11.3495 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 797961 | 9.8784 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 342276 | 10.4760 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1838391 | 11.7088 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1339814 | 10.8375 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1865291 | 11.0684 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1301886 | 11.2793 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 412760 | 10.5885 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1793961 | 11.2501 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 475123 | 10.3705 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1223964 | 10.9062 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 455939 | 10.8186 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 953521 | 12.1375 | PPBV | # | 81 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1732900 | 16.4128 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1430193 | 14.3025 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2358681 | 10.7459 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2726987 | 11.0975 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

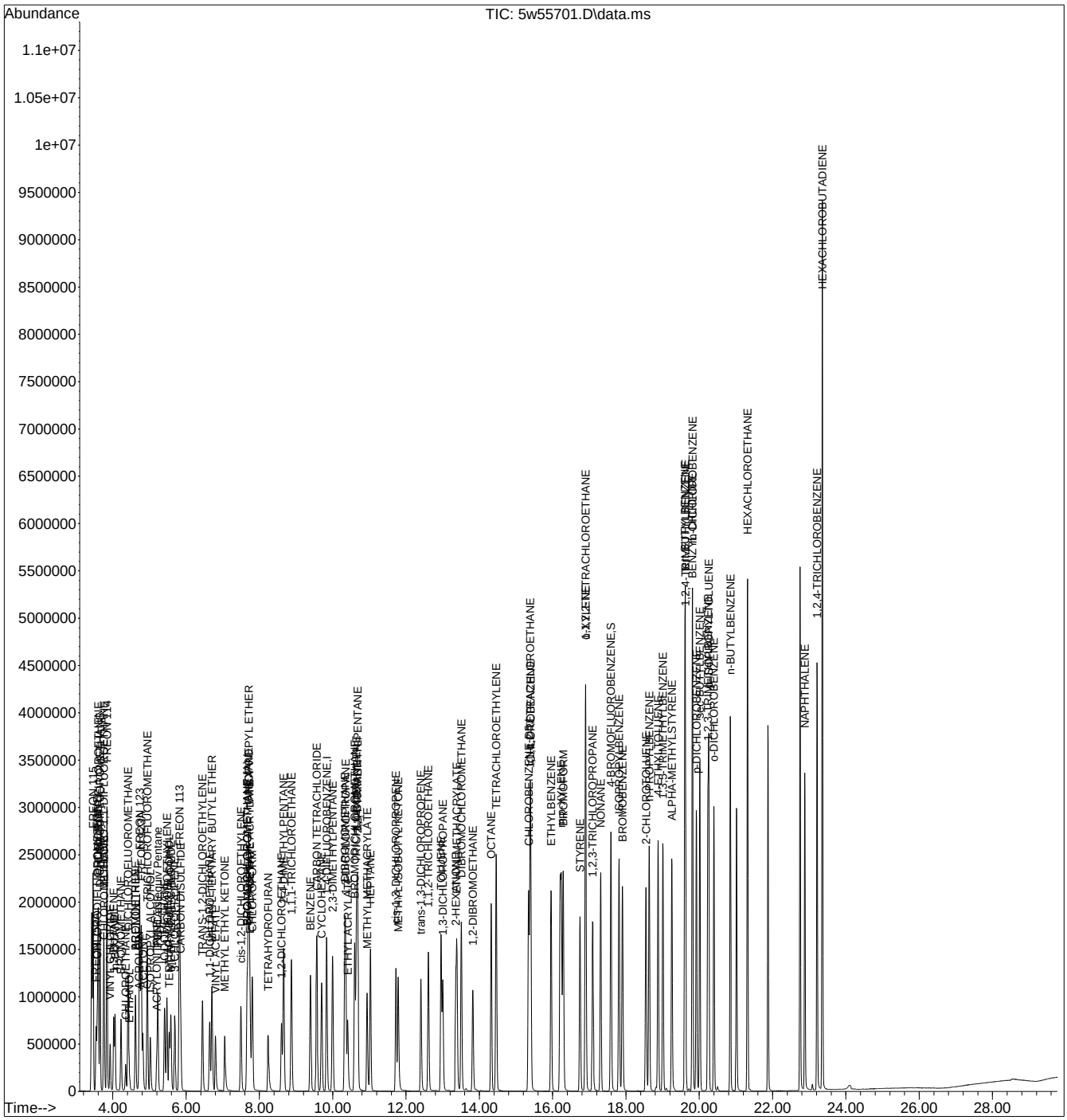
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 319491 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1462454 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 906713 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 319491 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1005252 | 9.91 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.454 | 119 | 523028 | 11.9594 | PPBV | | 88 |
| 3) FREON 152A | 3.533 | 65 | 278056 | 11.7633 | PPBV | | 93 |
| 4) CHLORODIFLUOROMETHANE | 3.564 | 67 | 155658 | 12.6999 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 3.595 | 116 | 549136 | 9.9265 | PPBV | | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.644 | 85 | 1386093 | 11.8718 | PPBV | | 99 |
| 7) PROPYLENE | 3.588 | 41 | 355035 | 12.0736 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.748 | 65 | 1414411 | 11.8298 | PPBV | | 98 |
| 9) FREON 114 | 3.833 | 85 | 1603406 | 11.1958 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.760 | 52 | 152620 | 10.1366 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.919 | 62 | 535334 | 10.0970 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.017 | 54 | 348917 | 9.8064 | PPBV | # | 83 |
| 13) n-BUTANE | 4.053 | 43 | 718682 | 10.5294 | PPBV | | 97 |
| 14) BROMOMETHANE | 4.219 | 94 | 516272 | 9.2410 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 224643 | 9.2721 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 4.408 | 67 | 1207581 | 10.0834 | PPBV | | 97 |
| 17) ACETONITRILE | 4.610 | 41 | 384779 | 9.7597 | PPBV | | 98 |
| 18) ACROLEIN | 4.702 | 56 | 172931 | 10.0447 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1196430 | 9.9263 | PPBV | | 99 |
| 20) FREON 123A | 4.763 | 117 | 630011 | 9.8302 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1229725 | 11.3973 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.014 | 45 | 763115 | 11.1627 | PPBV | | 97 |
| 23) ACETONE | 4.812 | 58 | 190310 | 7.3855 | PPBV | # | 73 |
| 24) PENTANE | 5.222 | 42 | 395773 | 11.6539 | PPBV | | 95 |
| 25) IODOMETHANE | 5.405 | 142 | 1000997 | 11.1209 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 389796 | 11.6561 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 5.840 | 76 | 1221179 | 12.6219 | PPBV | | 97 |
| 28) ETHANOL | 4.445 | 45 | 240425 | 9.5959 | PPBV | | 98 |
| 29) BROMOETHENE | 4.610 | 106 | 479535 | 10.0759 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.191 | 52 | 233936 | 8.7395 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.577 | 84 | 372212 | 11.1075 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 5.681 | 76 | 197475 | 12.7801 | PPBV | # | 86 |
| 33) FREON 113 | 5.809 | 151 | 716925 | 12.8946 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.439 | 96 | 404836 | 11.4559 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.534 | 59 | 802450 | 12.4782 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1222293 | 13.4943 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 194280 | 14.0116 | PPBV | | 92 |
| 38) HEXANE | 7.693 | 57 | 631896 | 12.6230 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 72188 | 12.6164 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 803245 | 12.2299 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.045 | 72 | 200051 | 14.4352 | PPBV | # | 76 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 434125 | 11.8391 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 192063 | 12.6306 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.736 | 61 | 147247 | 14.4032 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 811813 | 13.3399 | PPBV | | 98 |
| 46) CHLOROFORM | 7.804 | 83 | 1037123 | 12.6453 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 720377 | 13.1585 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1037001 | 12.4523 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1093220 | 12.4209 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 736647 | 13.8089 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1307486 | 12.3347 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 503829 | 12.6532 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 275093 | 12.7962 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 626809 | 11.2165 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 506804 | 11.2641 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 714172 | 13.0552 | PPBV | | 86 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1004441 | 14.1520 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1210939 | 12.4090 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1992264 | 12.3767 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 295490 | 11.9703 | PPBV | # | 88 |
| 62) | HEPTANE | 11.021 | 43 | 764169 | 13.5917 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 482843 | 13.7017 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 392461 | 13.1014 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 895059 | 13.0954 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 853406 | 11.5104 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 799011 | 12.2496 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 820148 | 13.0368 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 531421 | 11.8651 | PPBV | | 95 |
| 71) | 2-HEXANONE | 13.352 | 58 | 565228 | 13.2145 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 832567 | 13.2939 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 713567 | 12.0486 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1064490 | 11.0538 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 904377 | 11.3254 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1098704 | 13.7958 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 683441 | 10.2786 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1173195 | 10.0509 | PPBV | | 94 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1995933 | 11.9399 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1397327 | 22.0296 | PPBV | | 92 |
| 81) | o-XYLENE | 16.894 | 106 | 689056 | 11.1913 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1070082 | 12.1172 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1142765 | 13.7498 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1447121 | 14.6874 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1420053 | 11.4742 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 999791 | 11.1883 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2005084 | 10.5243 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1178775 | 10.9547 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 478616 | 10.0267 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 512163 | 10.6039 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2023010 | 11.5050 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1692790 | 11.2647 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 799215 | 9.8526 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 342490 | 10.4388 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1839909 | 11.6695 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1324406 | 10.6681 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1867818 | 11.0371 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1270477 | 10.9612 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 402854 | 10.2912 | PPBV | # | 85 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1789023 | 11.1722 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 473759 | 10.2976 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1198677 | 10.6362 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 451413 | 10.6664 | PPBV | # | 76 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 916453 | 11.6169 | PPBV | # | 83 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1608418 | 15.1702 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1301197 | 12.9582 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2226962 | 10.1034 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2569000 | 10.2713 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

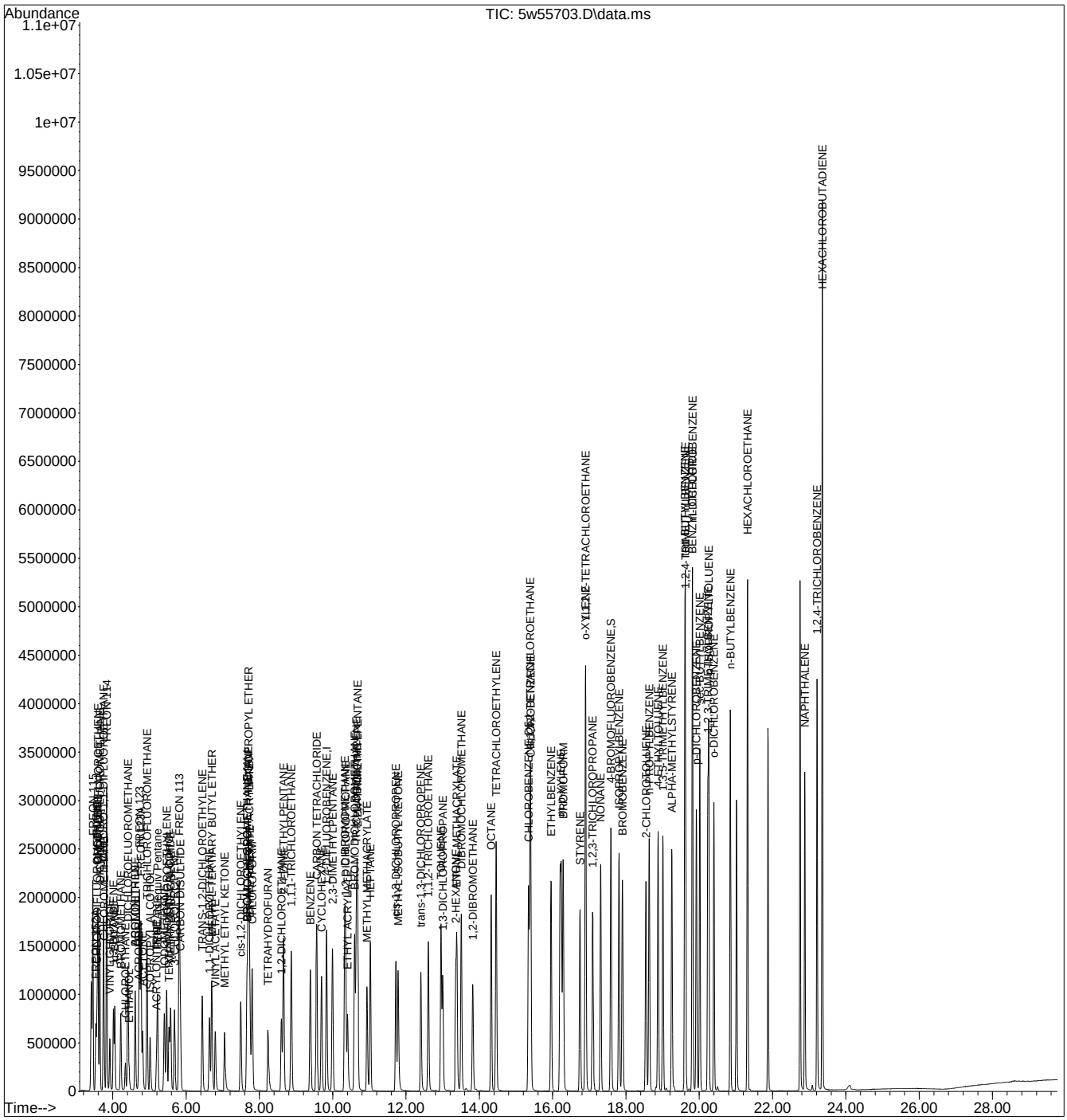
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 331289 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1550914 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 964726 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 331289 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1072937 | 9.94 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.40% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 573277 | 12.6416 | PPBV | 88 |
| 3) FREON 152A | 3.539 | 65 | 306831 | 12.5184 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 169341 | 13.3243 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 594745 | 10.3681 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1523453 | 12.5836 | PPBV | 99 |
| 7) PROPYLENE | 3.595 | 41 | 390945 | 12.8213 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1492563 | 12.0389 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1750967 | 11.7908 | PPBV | 96 |
| 10) CHLOROMETHANE | 3.766 | 52 | 161585 | 10.3499 | PPBV | 98 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 577414 | 10.5028 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 371741 | 10.0758 | PPBV # | 82 |
| 13) n-BUTANE | 4.059 | 43 | 756300 | 10.6860 | PPBV | 97 |
| 14) BROMOMETHANE | 4.225 | 94 | 576574 | 9.9528 | PPBV | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 253692 | 10.0982 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1340979 | 10.7985 | PPBV | 98 |
| 17) ACETONITRILE | 4.610 | 41 | 416298 | 10.1831 | PPBV | 97 |
| 18) ACROLEIN | 4.708 | 56 | 192537 | 10.7853 | PPBV | 99 |
| 19) FREON 123 | 4.726 | 83 | 1367953 | 10.9452 | PPBV | 100 |
| 20) FREON 123A | 4.769 | 117 | 729979 | 10.9844 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1417894 | 12.6733 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 920681 | 12.9879 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 209432 | 7.8381 | PPBV # | 71 |
| 24) PENTANE | 5.228 | 42 | 481519 | 13.6738 | PPBV | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 1265240 | 13.5561 | PPBV | 97 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 418035 | 12.0554 | PPBV | 90 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1329330 | 13.2504 | PPBV | 97 |
| 28) ETHANOL | 4.445 | 45 | 256089 | 9.8571 | PPBV | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 540944 | 10.9614 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 287147 | 10.3453 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 401893 | 11.5662 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 216007 | 13.4816 | PPBV # | 86 |
| 33) FREON 113 | 5.809 | 151 | 769854 | 13.3535 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 439462 | 11.9929 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 869981 | 13.0465 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1330725 | 14.1683 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 209944 | 14.6021 | PPBV | 91 |
| 38) HEXANE | 7.693 | 57 | 696549 | 13.4190 | PPBV | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 82324 | 13.8755 | PPBV # | 73 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 876441 | 12.8691 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.045 | 72 | 221068 | 15.3837 | PPBV # | 77 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 465890 | 12.2529 | PPBV | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 211689 | 13.4254 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.742 | 61 | 160261 | 15.1179 | PPBV # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 898044 | 14.2313 | PPBV | 98 |
| 46) CHLOROFORM | 7.803 | 83 | 1118770 | 13.1550 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 791205 | 13.9375 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1107670 | 12.8272 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1168902 | 12.8078 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 795225 | 14.3761 | PPBV | | 98 |
| 52) | BENZENE | 9.388 | 78 | 1424224 | 12.6696 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 555579 | 13.1570 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 299876 | 13.1534 | PPBV | | 99 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 675394 | 11.3966 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 559040 | 11.7164 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 771088 | 13.2917 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1102604 | 14.6490 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1317511 | 12.7310 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2207810 | 12.9334 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.660 | 88 | 323180 | 12.3453 | PPBV | # | 74 |
| 62) | HEPTANE | 11.021 | 43 | 847314 | 14.2110 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 534672 | 14.3070 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 432212 | 13.6054 | PPBV | # | 82 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 976729 | 13.4752 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 934740 | 11.8883 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 874822 | 12.6469 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 888253 | 13.3140 | PPBV | | 93 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 572175 | 12.0464 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.352 | 58 | 623728 | 13.7053 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 906512 | 13.6042 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 783443 | 12.4330 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1156334 | 11.2855 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 979094 | 11.5238 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1214425 | 14.3318 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 743730 | 10.5127 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1277849 | 10.2892 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2189426 | 12.3098 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1535925 | 22.7585 | PPBV | | 92 |
| 81) | o-XYLENE | 16.894 | 106 | 762874 | 11.6452 | PPBV | | 93 |
| 82) | STYRENE | 16.748 | 104 | 1171200 | 12.4647 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1259621 | 14.2444 | PPBV | | 97 |
| 84) | BROMOFORM | 16.283 | 173 | 1600768 | 15.2699 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1559873 | 11.8461 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1093191 | 11.4979 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2200760 | 10.8567 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1282880 | 11.2053 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 528621 | 10.4084 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 564991 | 10.9943 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2238489 | 11.9649 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1871518 | 11.7052 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 881797 | 10.2169 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 379733 | 10.8779 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2055685 | 12.2541 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1477258 | 11.1837 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 2063632 | 11.4609 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1427080 | 11.5719 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 452061 | 10.8538 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1979676 | 11.6194 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 527319 | 10.7725 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1332025 | 11.1087 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 505591 | 11.2282 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1029609 | 12.2664 | PPBV | # | 82 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1817180 | 16.1085 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1514807 | 14.1783 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2501215 | 10.6653 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 3111589 | 11.9977 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

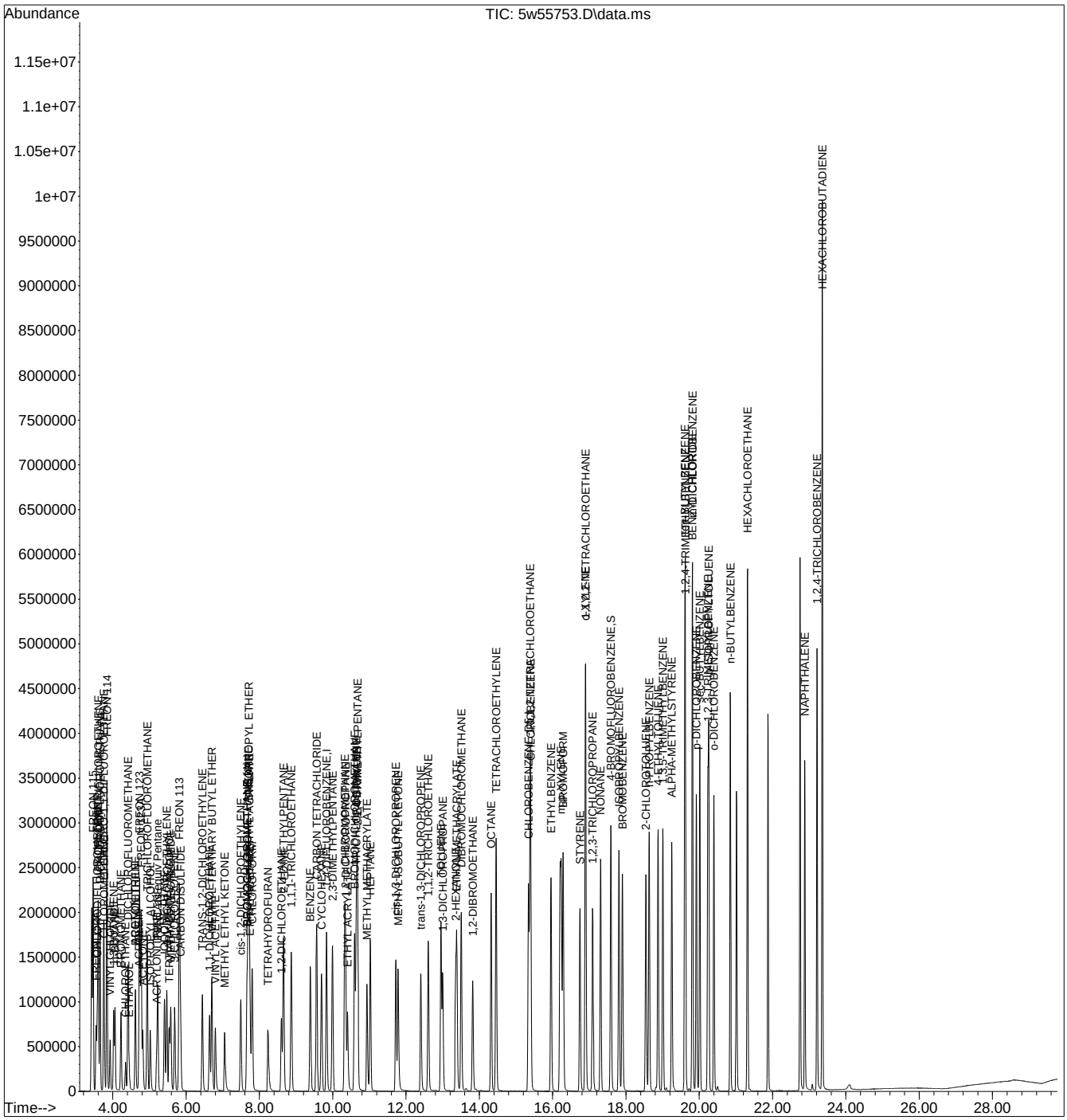
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55753.D
Acq On : 19 Dec 2024 5:20 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:25 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 13:22

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 334718 | 10.00 | PPBV | # | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1578242 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 998402 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 334718 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1089374 | 9.75 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 97.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 596554 | 13.0201 | PPBV | | 87 |
| 3) FREON 152A | 3.546 | 65 | 317020 | 12.8016 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 177041 | 13.7874 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 610541 | 10.5344 | PPBV | | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1543474 | 12.6183 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 406637 | 13.1993 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1532347 | 12.2332 | PPBV | | 97 |
| 9) FREON 114 | 3.846 | 85 | 1781524 | 11.8736 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.772 | 52 | 169609 | 10.7525 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 594345 | 10.7001 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390048 | 10.4637 | PPBV | # | 83 |
| 13) n-BUTANE | 4.066 | 43 | 800595 | 11.1959 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 589799 | 10.0768 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 261015 | 10.2832 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1369661 | 10.9165 | PPBV | | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 438216 | 10.6094 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 197915 | 10.9730 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 1380787 | 10.9347 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 729158 | 10.8597 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1424396 | 12.6010 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 933297 | 13.0310 | PPBV | | 97 |
| 23) ACETONE | 4.824 | 58 | 222539 | 8.2433 | PPBV | # | 77 |
| 24) PENTANE | 5.234 | 42 | 494707 | 13.9044 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1279688 | 13.5704 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 429965 | 12.2724 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1346599 | 13.2850 | PPBV | | 96 |
| 28) ETHANOL | 4.457 | 45 | 268020 | 10.2107 | PPBV | | 98 |
| 29) BROMOETHENE | 4.622 | 106 | 540391 | 10.8380 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.204 | 52 | 290405 | 10.3555 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 409880 | 11.6752 | PPBV | | 93 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 217645 | 13.4446 | PPBV | # | 83 |
| 33) FREON 113 | 5.822 | 151 | 769196 | 13.2054 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 440997 | 11.9115 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 886946 | 13.1647 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1356308 | 14.2927 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 216813 | 14.9253 | PPBV | | 90 |
| 38) HEXANE | 7.706 | 57 | 713292 | 13.6008 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 82555 | 13.7719 | PPBV | # | 71 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 894720 | 13.0030 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 225946 | 15.5620 | PPBV | # | 80 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 479874 | 12.4914 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 216772 | 13.6070 | PPBV | # | 80 |
| 44) ETHYL ACETATE | 7.749 | 61 | 162663 | 15.1873 | PPBV | # | 97 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 928736 | 14.5669 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1150700 | 13.3919 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 815133 | 14.2120 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1141944 | 13.0887 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 1196295 | 12.9737 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 820332 | 14.6780 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1461963 | 12.7801 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 563154 | 13.1055 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 310279 | 13.3740 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 695190 | 11.5275 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 573976 | 11.8211 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 781663 | 13.2407 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1133939 | 14.8044 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1355094 | 12.8675 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 2272009 | 13.0790 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 328920 | 12.3470 | PPBV | # | 81 |
| 62) | HEPTANE | 11.028 | 43 | 875636 | 14.4317 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 547111 | 14.3864 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 444776 | 13.7585 | PPBV | # | 82 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 1004290 | 13.6155 | PPBV | | 92 |
| 66) | TOLUENE | 12.961 | 92 | 959573 | 11.9928 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 897827 | 12.7547 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 917027 | 13.5073 | PPBV | | 93 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 589405 | 12.1943 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.359 | 58 | 643496 | 13.6628 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 945921 | 13.7168 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 788820 | 12.0961 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1198818 | 11.3055 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 1017513 | 11.5720 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1266830 | 14.4460 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 765756 | 10.4590 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1322389 | 10.2887 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 2252022 | 12.2346 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1580640 | 22.6311 | PPBV | | 94 |
| 81) | o-XYLENE | 16.901 | 106 | 777170 | 11.4633 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1207110 | 12.4136 | PPBV | | 96 |
| 83) | NONANE | 17.311 | 43 | 1308298 | 14.2958 | PPBV | | 96 |
| 84) | BROMOFORM | 16.289 | 173 | 1650228 | 15.2107 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1606773 | 11.7907 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1133738 | 11.5221 | PPBV | | 93 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2244223 | 10.6977 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1325235 | 11.1848 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 537601 | 10.2281 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 580652 | 10.9179 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2326144 | 12.0141 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1916779 | 11.5839 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 907572 | 10.1609 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 389822 | 10.7903 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2101978 | 12.1074 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1518489 | 11.1081 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2117221 | 11.3619 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1439305 | 11.2773 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 456269 | 10.5854 | PPBV | # | 86 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2022221 | 11.4688 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 537947 | 10.6190 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1343262 | 10.8246 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 512086m | 10.9888 | PPBV | | |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 1040774 | 11.9812 | PPBV | # | 82 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1833419 | 15.7043 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1494212 | 13.5138 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2490761 | 10.2625 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 3173065 | 12.1094 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

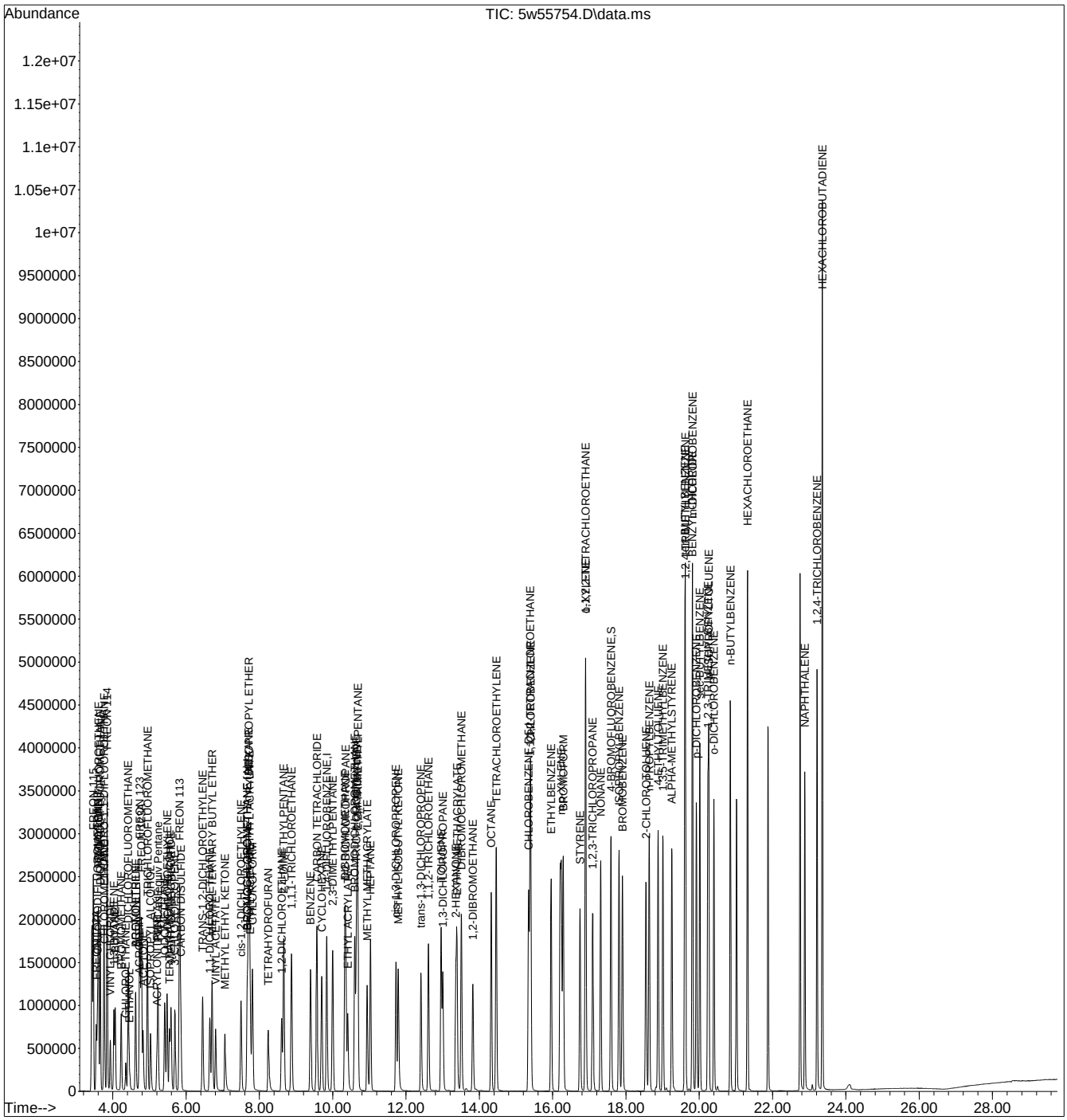
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 16:36:12 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



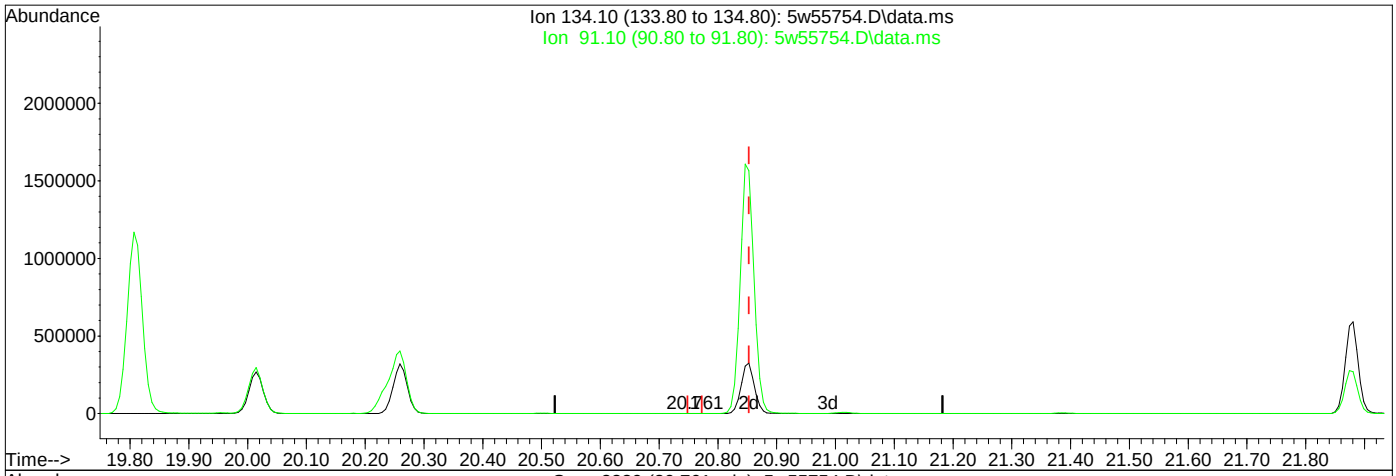
**Sample Number:** V5W2135-BSD
**Lab FileID:** 5W55754.D
**Injection Time:** 12/19/24 18:00
**Method:** TO-15
**Analyst approved:** 12/20/24 11:54 Geralyn Gomez
**Supervisor approved:** 12/20/24 13:22 Kanya Veerawat

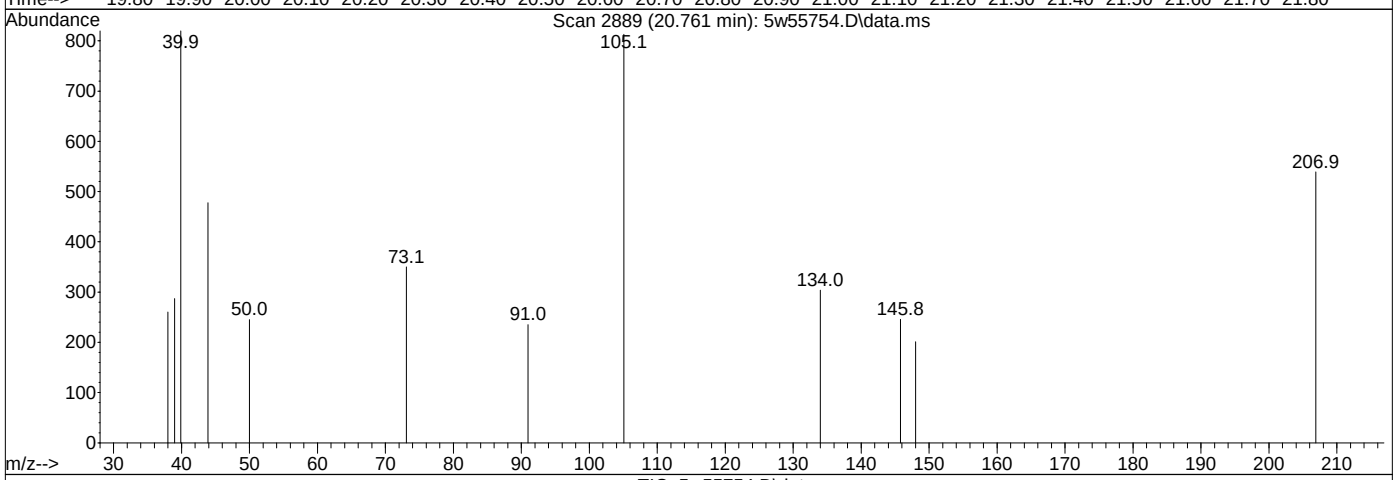
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| n-Butylbenzene | 104-51-8 | | 20.85 | Missed peak |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.761min (-0.092) 0.00PPBV

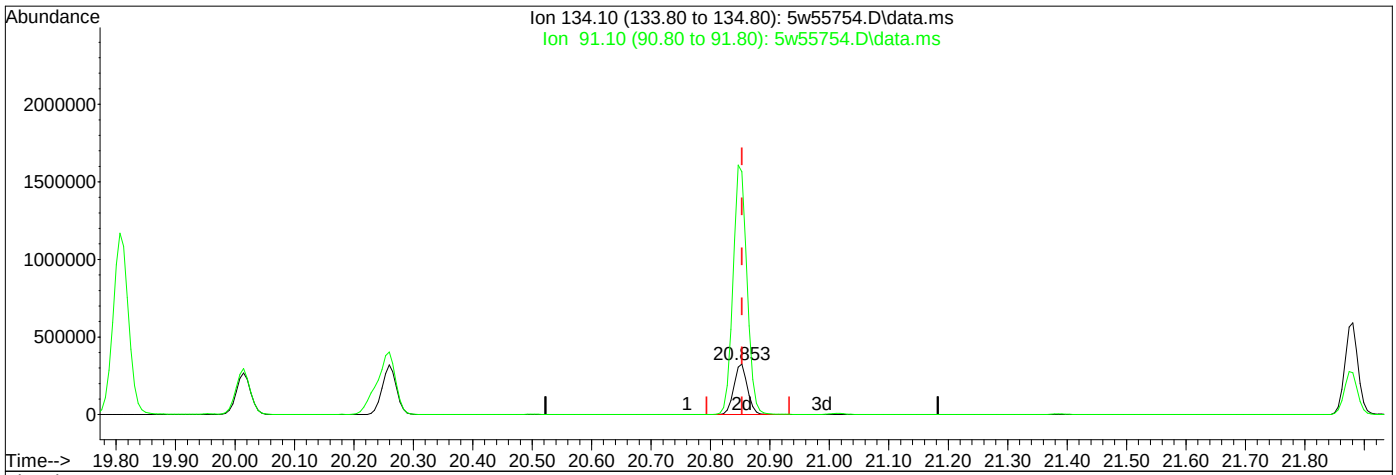
response 112

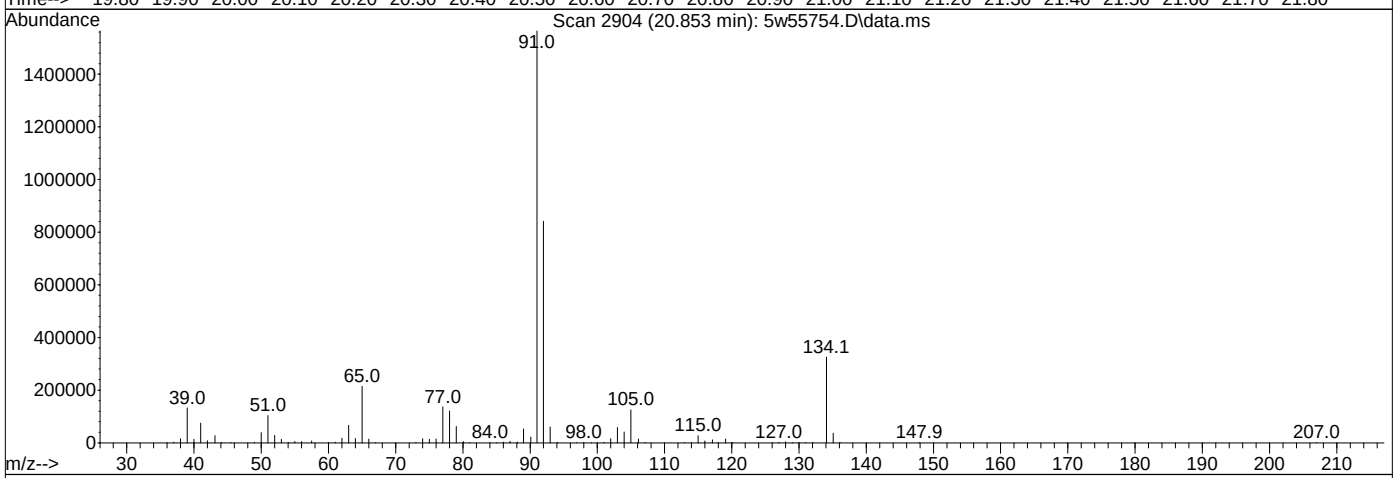
| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 91.10 | 447.00 | 464.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55754.D
Acq On : 19 Dec 2024 6:00 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:28:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55754.D\data.ms

(104) n-BUTYLBENZENE

20.853min (+0.000) 10.99PPBV m

response 512086

| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 91.10 | 447.00 | 0.10# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 261510 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1220164 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 739045 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 261510 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 836030 | 10.11 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 435542 | 12.1670 | PPBV | | 92 |
| 3) FREON 152A | 3.546 | 65 | 206251 | 10.6601 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 115623 | 11.5251 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 448626 | 9.9077 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1068770 | 11.1835 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 255077 | 10.5976 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1110212 | 11.3443 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1395849 | 11.9075 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 121755 | 9.8796 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 474344 | 10.9303 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 314422 | 10.7962 | PPBV | | 90 |
| 13) n-BUTANE | 4.059 | 43 | 614499 | 10.9991 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 473815 | 10.3614 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209045 | 10.5413 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1075661 | 10.9733 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 337949 | 10.4724 | PPBV | | 99 |
| 18) ACROLEIN | 4.708 | 56 | 158913 | 11.2771 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1099754 | 11.1472 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 583898 | 11.1307 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 979961 | 11.0962 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 584169 | 10.4397 | PPBV | | 99 |
| 23) ACETONE | 4.818 | 58 | 174923 | 8.2934 | PPBV | | 93 |
| 24) PENTANE | 5.228 | 42 | 305706 | 10.9976 | PPBV | | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 929996 | 12.6229 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 295468 | 10.7944 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 900076 | 11.3656 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 219548 | 10.7055 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 436004 | 11.1924 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.197 | 52 | 184650 | 8.4277 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 280229 | 10.2167 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 146539 | 11.5863 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 584172 | 12.8365 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 304959 | 10.5430 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 575995 | 10.9427 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 907918 | 12.2460 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 145513 | 12.8213 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 454860 | 11.1011 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 55543 | 11.8596 | PPBV | | 95 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 591602 | 11.0046 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 152312 | 13.4272 | PPBV | | 96 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 329425 | 10.9757 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 142775 | 11.4710 | PPBV | | 95 |
| 44) ETHYL ACETATE | 7.742 | 61 | 102628 | 12.2645 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 584502 | 11.7341 | PPBV | | 99 |
| 46) CHLOROFORM | 7.803 | 83 | 767097 | 11.4267 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 522441 | 11.6588 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 768664 | 11.2766 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 826856 | 11.4774 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 528775 | 12.1099 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 999972 | 11.3069 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 395809 | 11.9143 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 209669 | 11.6896 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 479539 | 10.2852 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 379577 | 10.1116 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 613084 | 13.4328 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.403 | 55 | 713058 | 12.0415 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 902814 | 11.0886 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1456334 | 10.8438 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.660 | 88 | 226125 | 10.9793 | PPBV | # | 75 |
| 62) | HEPTANE | 11.021 | 43 | 559547 | 11.9285 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 370058 | 12.5864 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 295122 | 11.8083 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 683916 | 11.9931 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 684307 | 11.0624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.997 | 76 | 618417 | 11.3636 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622875 | 11.8671 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 407784 | 10.9126 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429260 | 12.3125 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646480 | 12.6645 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 624535 | 12.9377 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 853319 | 10.8713 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 711606 | 10.9331 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 816104 | 12.5722 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 546604 | 10.0857 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 943953 | 9.9217 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1578139 | 11.5824 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1160738 | 22.4513 | PPBV | | 97 |
| 81) | o-XYLENE | 16.894 | 106 | 570900 | 11.3759 | PPBV | | 97 |
| 82) | STYRENE | 16.748 | 104 | 881254 | 12.2430 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 855635 | 12.6307 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1244331 | 15.4944 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1091266 | 10.8180 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 772534 | 10.6065 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1663712 | 10.7137 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.898 | 77 | 908292 | 10.3561 | PPBV | | 87 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 404822 | 10.4048 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 438991 | 11.1510 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.870 | 105 | 1699251 | 11.8562 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1427244 | 11.6524 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 689616 | 10.4302 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 310532 | 11.6120 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1559354 | 12.1339 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1162992 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1518557 | 11.0091 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1130128 | 11.9623 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 371490 | 11.6430 | PPBV | | 99 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1526287 | 11.6939 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432133 | 11.5238 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1057891 | 11.5166 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.846 | 134 | 421124 | 12.2083 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 797963 | 12.4097 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1735482 | 20.0822 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1444730 | 17.6517 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2169419 | 12.0753 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1999126 | 9.7650 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

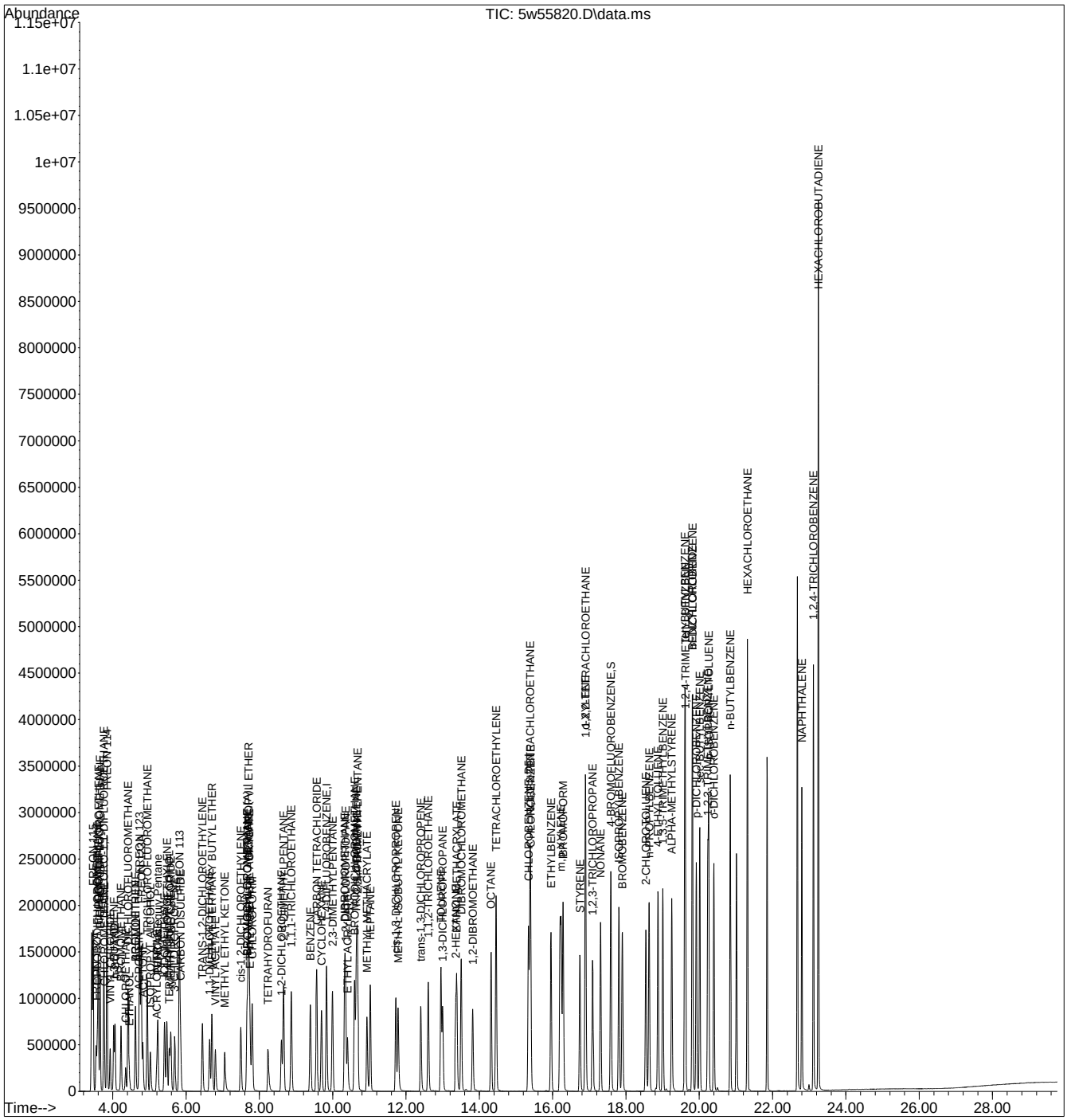
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260595 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1218483 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 736456 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260595 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 821814 | 9.97 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.70% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 449247 | 12.5939 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 217658 | 11.2892 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 120188 | 12.0222 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 469888 | 10.4137 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1112978 | 11.6870 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 264221 | 11.0160 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1147260 | 11.7641 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1434228 | 12.2779 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128640 | 10.4749 | PPBV | # | 85 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 488468 | 11.2953 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 323570 | 11.1494 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 634013 | 11.3883 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 482246 | 10.5828 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 214284 | 10.8434 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1100649 | 11.2676 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 348841 | 10.8478 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 160344 | 11.4186 | PPBV | | 98 |
| 19) FREON 123 | 4.733 | 83 | 1129119 | 11.4850 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 597237 | 11.4250 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1007977 | 11.4535 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 602862 | 10.8116 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 177842 | 8.4614 | PPBV | | 89 |
| 24) PENTANE | 5.228 | 42 | 318079 | 11.4829 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 940571 | 12.8113 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 301140 | 11.0402 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 918708 | 11.6416 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 231068 | 11.3068 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 443163 | 11.4161 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 188676 | 8.6417 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 282870 | 10.3492 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 151425 | 12.0146 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 593594 | 13.0893 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 309546 | 10.7391 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 588972 | 11.2285 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 924243 | 12.5099 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 148865 | 13.1627 | PPBV | | 98 |
| 38) HEXANE | 7.700 | 57 | 464407 | 11.3739 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 57228 | 12.2623 | PPBV | | 98 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 606542 | 11.3221 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153117 | 13.5456 | PPBV | | 91 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 334930 | 11.1983 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 146643 | 11.8231 | PPBV | | 96 |
| 44) ETHYL ACETATE | 7.742 | 61 | 105256 | 12.6227 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 594885 | 11.9845 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 776162 | 11.6023 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 531550 | 11.9037 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 780498 | 11.4904 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 837796 | 11.6701 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 539227 | 12.3926 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003786 | 11.3656 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 399516 | 12.0424 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 210768 | 11.7671 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 486023 | 10.4386 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 386594 | 10.3128 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 618370 | 13.5673 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 724833 | 12.2573 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 912837 | 11.2272 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1481841 | 11.0490 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 230304 | 11.1977 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 571625 | 12.2028 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 373765 | 12.7300 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 300871 | 12.0549 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 694724 | 12.1995 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 695165 | 11.2535 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 626759 | 11.5328 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 629861 | 12.0167 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 408547 | 10.9481 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 433718 | 12.4841 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 649699 | 12.7723 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628041 | 13.0561 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 864792 | 11.0562 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 720274 | 11.1052 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 827456 | 12.7918 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 554894 | 10.2747 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 957513 | 10.0996 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1595928 | 11.7541 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1172853 | 22.7654 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 573106 | 11.4600 | PPBV | | 97 |
| 82) | STYRENE | 16.742 | 104 | 890827 | 12.4195 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 870573 | 12.8964 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1256261 | 15.6980 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1106434 | 11.0070 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 776868 | 10.7035 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1675508 | 10.8276 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 921247 | 10.5407 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 406945 | 10.4962 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 439908 | 11.2136 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.871 | 105 | 1717986 | 12.0291 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1441798 | 11.8126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 698121 | 10.5959 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.605 | 134 | 309708 | 11.6219 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1577032 | 12.3146 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1174475 | 11.6475 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1538320 | 11.1916 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1146194 | 12.1751 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 375367 | 11.8059 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1540403 | 11.8435 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 438132 | 11.7248 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1074336 | 11.7368 | PPBV | | 95 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 428450 | 12.4643 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 806422 | 12.5853 | PPBV | # | 74 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1781369 | 20.6856 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1458721 | 17.8853 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2203206 | 12.3065 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2091566 | 10.2524 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

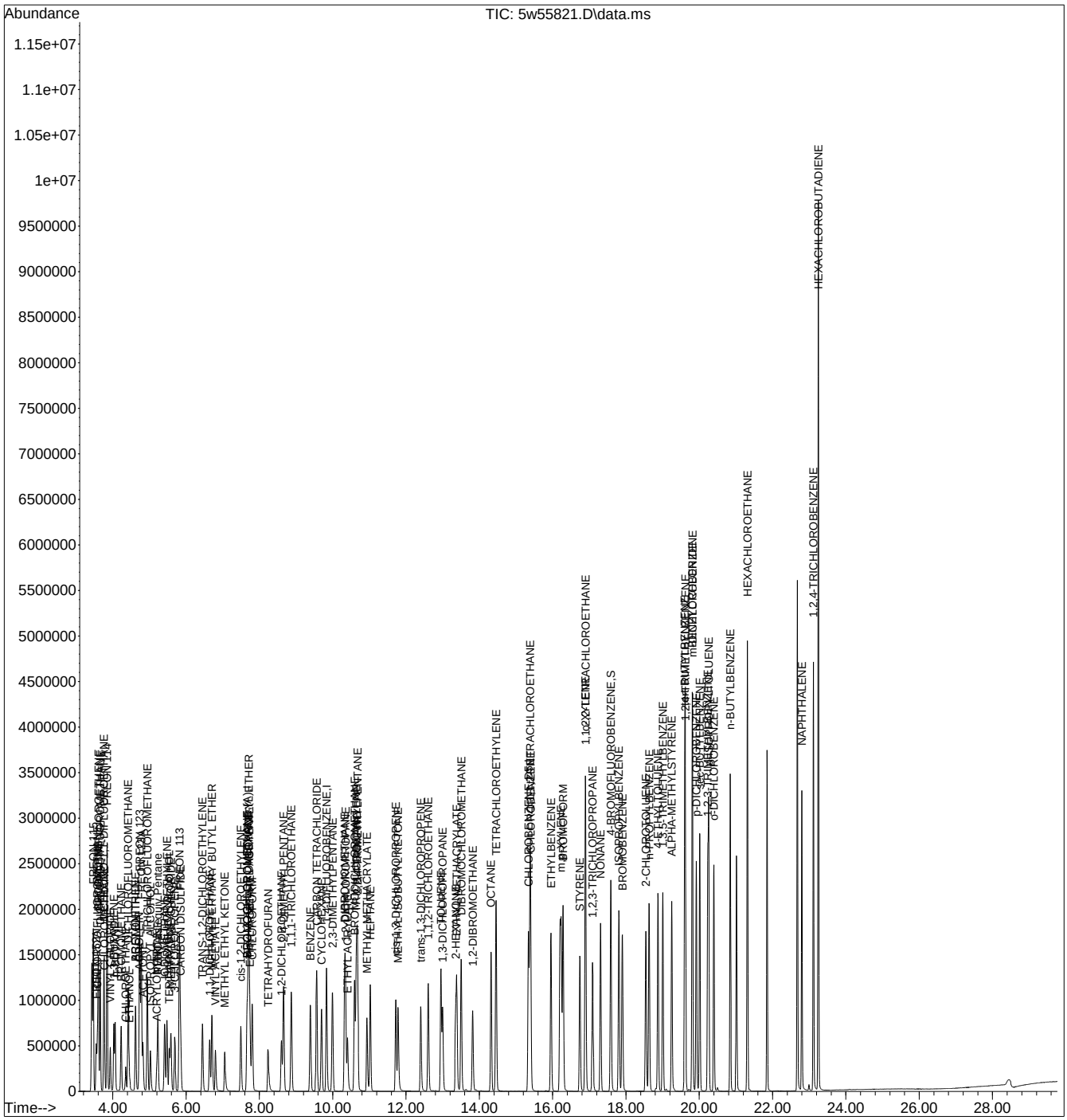
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 79563 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.214 | 114 | 406111 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 223805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 79563 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 257664 | 9.46 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 94.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 156526 | 11.5756 | PPBV | 95 |
| 3) FREON 152A | 3.939 | 65 | 86099 | 12.6941 | PPBV | 87 |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 45924 | 11.0153 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 154846 | 11.5430 | PPBV # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.043 | 85 | 438698 | 11.1134 | PPBV | 99 |
| 7) PROPYLENE | 3.994 | 41 | 144022 | 11.3627 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 355629 | 10.0720 | PPBV | 100 |
| 9) FREON 114 | 4.213 | 85 | 292856 | 11.3581 | PPBV | 97 |
| 10) CHLOROMETHANE | 4.158 | 52 | 40507 | 10.2907 | PPBV | 92 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 112716 | 10.5597 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.390 | 54 | 88189 | 10.3409 | PPBV | 96 |
| 13) n-BUTANE | 4.420 | 43 | 183162 | 10.1567 | PPBV | 98 |
| 14) BROMOMETHANE | 4.572 | 94 | 89975 | 9.5702 | PPBV | 99 |
| 15) CHLOROETHANE | 4.688 | 64 | 50283 | 11.1834 | PPBV | 86 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 261062 | 10.5880 | PPBV | 98 |
| 17) ACETONITRILE | 4.937 | 41 | 93822 | 9.5875 | PPBV | 99 |
| 18) ACROLEIN | 5.022 | 56 | 41713 | 8.8102 | PPBV | 98 |
| 19) FREON 123 | 5.010 | 83 | 233348 | 10.4811 | PPBV | 97 |
| 20) FREON 123A | 5.053 | 117 | 136025 | 10.7259 | PPBV | 90 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 348582 | 9.3529 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.339 | 45 | 334091 | 10.7831 | PPBV | 95 |
| 23) ACETONE | 5.132 | 58 | 50068 | 8.4172 | PPBV | 99 |
| 24) PENTANE | 5.454 | 42 | 174053 | 13.8723 | PPBV | 89 |
| 25) IODOMETHANE | 5.631 | 142 | 303383 | 12.6094 | PPBV | 87 |
| 26) 1,1-DICHLOROETHYLENE | 5.679 | 96 | 112049 | 13.2169 | PPBV | 90 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 337284 | 11.8500 | PPBV | 93 |
| 28) ETHANOL | 4.797 | 45 | 71628 | 10.4574 | PPBV | 98 |
| 29) BROMOETHENE | 4.925 | 106 | 88976 | 10.7180 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.436 | 52 | 112543 | 13.0585 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 105664 | 11.6569 | PPBV | 97 |
| 32) 3-CHLOROPROPENE | 5.850 | 76 | 62921 | 15.3454 | PPBV # | 88 |
| 33) FREON 113 | 5.953 | 151 | 196278 | 11.4091 | PPBV | 94 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 116603 | 11.2178 | PPBV | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 5.813 | 59 | 310391 | 11.1193 | PPBV # | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.732 | 73 | 394770 | 11.1668 | PPBV | 96 |
| 37) TETRAHYDROFURAN | 7.997 | 72 | 57456 | 12.1960 | PPBV # | 84 |
| 38) HEXANE | 7.510 | 57 | 236129 | 10.1466 | PPBV | 95 |
| 39) VINYL ACETATE | 6.774 | 86 | 24209 | 11.8859 | PPBV # | 79 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 269704 | 10.9885 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.012 | 72 | 60918 | 12.6618 | PPBV # | 79 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 121596 | 11.5371 | PPBV | 98 |
| 43) DIISOPROPYL ETHER | 7.529 | 59 | 64078 | 10.4232 | PPBV # | 87 |
| 44) ETHYL ACETATE | 7.553 | 61 | 46632 | 12.7693 | PPBV # | 72 |
| 45) METHYL ACRYLATE | 7.541 | 55 | 286211 | 10.4550 | PPBV | 99 |
| 46) CHLOROFORM | 7.602 | 83 | 296152 | 10.8171 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 281168 | 11.3908 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 8.472 | 97 | 328601 | 10.5484 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 347001 | 10.5645 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.253 | 62 | 254175 | 10.3859 | PPBV | | 98 |
| 52) | BENZENE | 8.897 | 78 | 371100 | 11.5511 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 158392 | 12.0725 | PPBV | | 91 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 81474 | 11.7870 | PPBV | # | 83 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 176967 | 10.8960 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 159733 | 10.7578 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 9.634 | 174 | 185204 | 11.2459 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 9.670 | 55 | 371456 | 10.6227 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 340238 | 10.3158 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 773436 | 11.0332 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 9.944 | 88 | 84364 | 11.2378 | PPBV | | 93 |
| 62) | HEPTANE | 10.145 | 43 | 316154 | 10.4229 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.078 | 69 | 145653 | 12.0023 | PPBV | | 90 |
| 64) | METHYL ISOBUTYL KETONE | 10.789 | 58 | 140419 | 10.8124 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.704 | 75 | 264679 | 11.6345 | PPBV | | 95 |
| 66) | TOLUENE | 11.672 | 92 | 259752 | 11.0103 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 11.702 | 76 | 230908 | 10.8020 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.221 | 75 | 251731 | 10.8695 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 138446 | 10.9134 | PPBV | | 100 |
| 71) | 2-HEXANONE | 11.988 | 58 | 194516 | 11.8589 | PPBV | | 100 |
| 72) | ETHYL METHACRYLATE | 11.970 | 69 | 236181 | 13.1865 | PPBV | | 90 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 202696 | 11.9299 | PPBV | | 97 |
| 74) | DIBROMOCHLOROMETHANE | 12.103 | 129 | 293055 | 11.0443 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 255648 | 12.1358 | PPBV | | 100 |
| 76) | OCTANE | 12.675 | 43 | 443051 | 11.5416 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.515 | 131 | 207158 | 11.2988 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 13.533 | 112 | 360723 | 11.8957 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 13.935 | 91 | 632204 | 12.2585 | PPBV | | 100 |
| 80) | m,p-XYLENE | 14.129 | 106 | 450583 | 23.8890 | PPBV | | 99 |
| 81) | o-XYLENE | 14.640 | 106 | 220018 | 12.2346 | PPBV | | 100 |
| 82) | STYRENE | 14.519 | 104 | 366696 | 12.9995 | PPBV | | 99 |
| 83) | NONANE | 14.890 | 43 | 482433 | 11.6449 | PPBV | | 96 |
| 84) | BROMOFORM | 14.208 | 173 | 289480 | 10.2536 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.634 | 83 | 355021 | 11.6565 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.774 | 75 | 311088 | 11.6456 | PPBV | | 98 |
| 88) | ISOPROPYLBENZENE | 15.297 | 105 | 717243 | 12.0112 | PPBV | | 100 |
| 89) | BROMOBENZENE | 15.395 | 77 | 379941 | 11.3248 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.851 | 126 | 165942 | 12.1209 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 187394 | 12.2977 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 16.076 | 105 | 729269 | 12.9337 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 619452 | 12.5767 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.362 | 118 | 290468 | 12.1839 | PPBV | | 100 |
| 95) | tert-BUTYLBENZENE | 16.654 | 134 | 118930 | 12.0475 | PPBV | # | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 630130 | 12.4573 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.843 | 146 | 416362 | 11.1046 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 625870 | 12.1206 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 16.922 | 146 | 436284 | 11.6885 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 16.982 | 134 | 157909 | 11.8610 | PPBV | # | 87 |
| 101) | 1,2,3-Trimethylbenzene | 17.171 | 105 | 650736 | 12.2186 | PPBV | | 98 |
| 102) | p-ISOPROPYLTOLUENE | 17.177 | 134 | 175454 | 11.7537 | PPBV | # | 88 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 417034 | 11.4714 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 17.682 | 134 | 180476 | 12.2179 | PPBV | | 93 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 271565 | 11.8464 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 562733 | 12.6998 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 551873 | 12.9580 | PPBV | | 98 |
| 108) | NAPHTHALENE | 19.489 | 128 | 935507 | 13.1281 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 1157948 | 13.7031 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

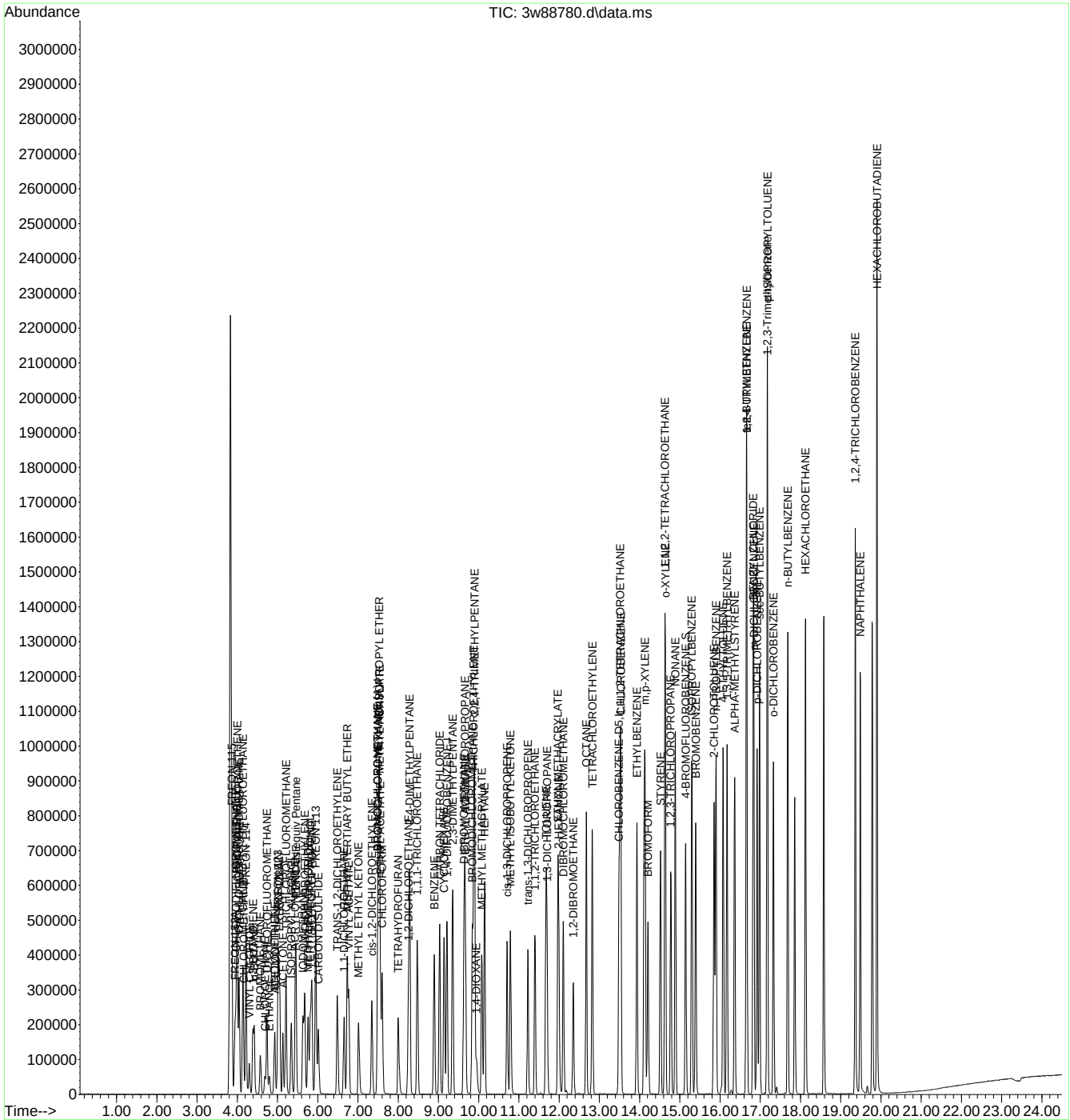
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88780.d
Acq On : 19 Sep 2024 2:24 pm
Operator : thomash
Sample : bs Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:34 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/22/24 01:05

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 76528 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.214 | 114 | 385893 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.491 | 82 | 214634 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 76528 | 10.00 | PPBV | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 246053 | 9.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 94.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 150092 | 11.54 | PPBV | | 97 |
| 3) FREON 152A | 3.945 | 65 | 82168 | 12.59 | PPBV | | 88 |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 44122 | 11.00 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 147821 | 11.46 | PPBV | # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.043 | 85 | 423312 | 11.15 | PPBV | | 100 |
| 7) PROPYLENE | 3.994 | 41 | 136464 | 11.19 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 347073 | 10.22 | PPBV | | 99 |
| 9) FREON 114 | 4.219 | 85 | 279264 | 11.26 | PPBV | | 97 |
| 10) CHLOROMETHANE | 4.158 | 52 | 38488 | 10.17 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 106259 | 10.35 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.390 | 54 | 83742 | 10.21 | PPBV | | 95 |
| 13) n-BUTANE | 4.420 | 43 | 172124 | 9.92 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.572 | 94 | 85418 | 9.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.688 | 64 | 48134 | 11.13 | PPBV | | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 249554 | 10.52 | PPBV | | 98 |
| 17) ACETONITRILE | 4.937 | 41 | 89461 | 9.50 | PPBV | | 99 |
| 18) ACROLEIN | 5.022 | 56 | 40239 | 8.84 | PPBV | | 99 |
| 19) FREON 123 | 5.016 | 83 | 223298 | 10.43 | PPBV | | 97 |
| 20) FREON 123A | 5.053 | 117 | 130955 | 10.74 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 337761 | 9.42 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.345 | 45 | 312504 | 10.49 | PPBV | | 96 |
| 23) ACETONE | 5.132 | 58 | 46902 | 8.20 | PPBV | | 96 |
| 24) PENTANE | 5.454 | 42 | 162559 | 13.47 | PPBV | | 90 |
| 25) IODOMETHANE | 5.631 | 142 | 286122 | 12.36 | PPBV | | 89 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 106654 | 13.08 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 317464 | 11.60 | PPBV | | 93 |
| 28) ETHANOL | 4.797 | 45 | 66744 | 10.13 | PPBV | | 99 |
| 29) BROMOETHENE | 4.925 | 106 | 85808 | 10.75 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.436 | 52 | 105280 | 12.70 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.764 | 84 | 99328 | 11.39 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.850 | 76 | 58977 | 14.95 | PPBV | # | 88 |
| 33) FREON 113 | 5.953 | 151 | 187931 | 11.36 | PPBV | | 94 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 110561 | 11.06 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.819 | 59 | 296952 | 11.06 | PPBV | # | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.738 | 73 | 380086 | 11.18 | PPBV | | 96 |
| 37) TETRAHYDROFURAN | 8.003 | 72 | 54566 | 12.04 | PPBV | # | 83 |
| 38) HEXANE | 7.504 | 57 | 222822 | 9.95 | PPBV | | 96 |
| 39) VINYL ACETATE | 6.774 | 86 | 22982 | 11.73 | PPBV | # | 80 |
| 40) 1,1-DICHLOROETHANE | 6.659 | 63 | 254674 | 10.79 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.018 | 72 | 57694 | 12.47 | PPBV | # | 73 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 116458 | 11.49 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.529 | 59 | 60440 | 10.22 | PPBV | # | 86 |
| 44) ETHYL ACETATE | 7.559 | 61 | 44262 | 12.60 | PPBV | # | 73 |
| 45) METHYL ACRYLATE | 7.541 | 55 | 269419 | 10.23 | PPBV | | 98 |
| 46) CHLOROFORM | 7.602 | 83 | 283832 | 10.78 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 265084 | 11.17 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 316752 | 10.57 | PPBV | | 100 |
| 49) CARBON TETRACHLORIDE | 9.031 | 117 | 333995 | 10.57 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 8.253 | 62 | 245445 | 10.43 | PPBV | | 99 |
| 52) BENZENE | 8.897 | 78 | 347159 | 11.37 | PPBV | | 96 |
| 53) CYCLOHEXANE | 9.141 | 84 | 149048 | 11.96 | PPBV | | 90 |
| 54) 2,3-DIMETHYLPENTANE | 9.354 | 71 | 77204 | 11.75 | PPBV | # | 83 |
| 55) TRICHLOROETHYLENE | 9.877 | 95 | 167891 | 10.88 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 9.658 | 63 | 150769 | 10.69 | PPBV | | 97 |
| 57) DIBROMOMETHANE | 9.634 | 174 | 178190 | 11.39 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 9.676 | 55 | 351694 | 10.58 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 9.840 | 83 | 326628 | 10.42 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 734378 | 11.02 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 9.950 | 88 | 80272 | 11.25 | PPBV | | 93 |
| 62) HEPTANE | 10.151 | 43 | 299946 | 10.41 | PPBV | | 94 |
| 63) METHYL METHACRYLATE | 10.078 | 69 | 138129 | 11.98 | PPBV | | 90 |
| 64) METHYL ISOBUTYL KETONE | 10.789 | 58 | 133256 | 10.80 | PPBV | | 98 |
| 65) cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 252955 | 11.70 | PPBV | | 96 |
| 66) TOLUENE | 11.672 | 92 | 245035 | 10.93 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 11.702 | 76 | 217997 | 10.73 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 11.221 | 75 | 240897 | 10.95 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 132218 | 10.97 | PPBV | | 99 |
| 71) 2-HEXANONE | 11.988 | 58 | 183274 | 11.65 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 11.970 | 69 | 224785 | 13.09 | PPBV | | 90 |
| 73) TETRACHLOROETHYLENE | 12.827 | 164 | 194318 | 11.93 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 12.103 | 129 | 282922 | 11.12 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 12.353 | 107 | 243206 | 12.04 | PPBV | | 100 |
| 76) OCTANE | 12.675 | 43 | 417683 | 11.35 | PPBV | | 95 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 13.515 | 131 | 199453 | 11.34 | PPBV | | 99 |
| 78) CHLOROBENZENE | 13.533 | 112 | 344234 | 11.84 | PPBV | | 100 |
| 79) ETHYLBENZENE | 13.935 | 91 | 596114 | 12.05 | PPBV | | 100 |
| 80) m,p-XYLENE | 14.129 | 106 | 431049 | 23.83 | PPBV | | 99 |
| 81) o-XYLENE | 14.640 | 106 | 210940 | 12.23 | PPBV | | 99 |
| 82) STYRENE | 14.519 | 104 | 346554 | 12.81 | PPBV | | 100 |
| 83) NONANE | 14.890 | 43 | 453978 | 11.43 | PPBV | | 96 |
| 84) BROMOFORM | 14.208 | 173 | 276370 | 10.21 | PPBV | | 99 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 14.634 | 83 | 337425 | 11.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 297501 | 11.61 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 15.303 | 105 | 678333 | 11.84 | PPBV | | 100 |
| 89) BROMOBENZENE | 15.395 | 77 | 362811 | 11.28 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 15.851 | 126 | 159412 | 12.14 | PPBV | | 99 |
| 91) n-PROPYLBENZENE | 15.900 | 120 | 178783 | 12.23 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 16.076 | 105 | 700293 | 12.95 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 593303 | 12.56 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 16.362 | 118 | 278210 | 12.17 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 16.654 | 134 | 112258 | 11.86 | PPBV | # | 89 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 603915 | 12.45 | PPBV | | 99 |
| 97) m-DICHLOROBENZENE | 16.843 | 146 | 401913 | 11.18 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 16.824 | 91 | 599164 | 12.10 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 16.922 | 146 | 418583 | 11.69 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 16.983 | 134 | 152337 | 11.93 | PPBV | # | 88 |
| 101) 1,2,3-Trimethylbenzene | 17.171 | 105 | 625719 | 12.25 | PPBV | | 99 |
| 102) p-ISOPROPYLTOLUENE | 17.177 | 134 | 169889m | 11.87 | PPBV | | |
| 103) o-DICHLOROBENZENE | 17.329 | 146 | 403515 | 11.57 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 17.682 | 134 | 170321 | 12.02 | PPBV | # | 90 |
| 105) HEXACHLOROETHANE | 18.126 | 117 | 263924 | 12.00 | PPBV | | 96 |
| 106) HEXACHLOROBUTADIENE | 19.903 | 225 | 547693 | 12.89 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 528529 | 12.94 | PPBV | | 99 |
| 108) NAPHTHALENE | 19.483 | 128 | 901927 | 13.20 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.454 | TIC | 1084938 | 13.35 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

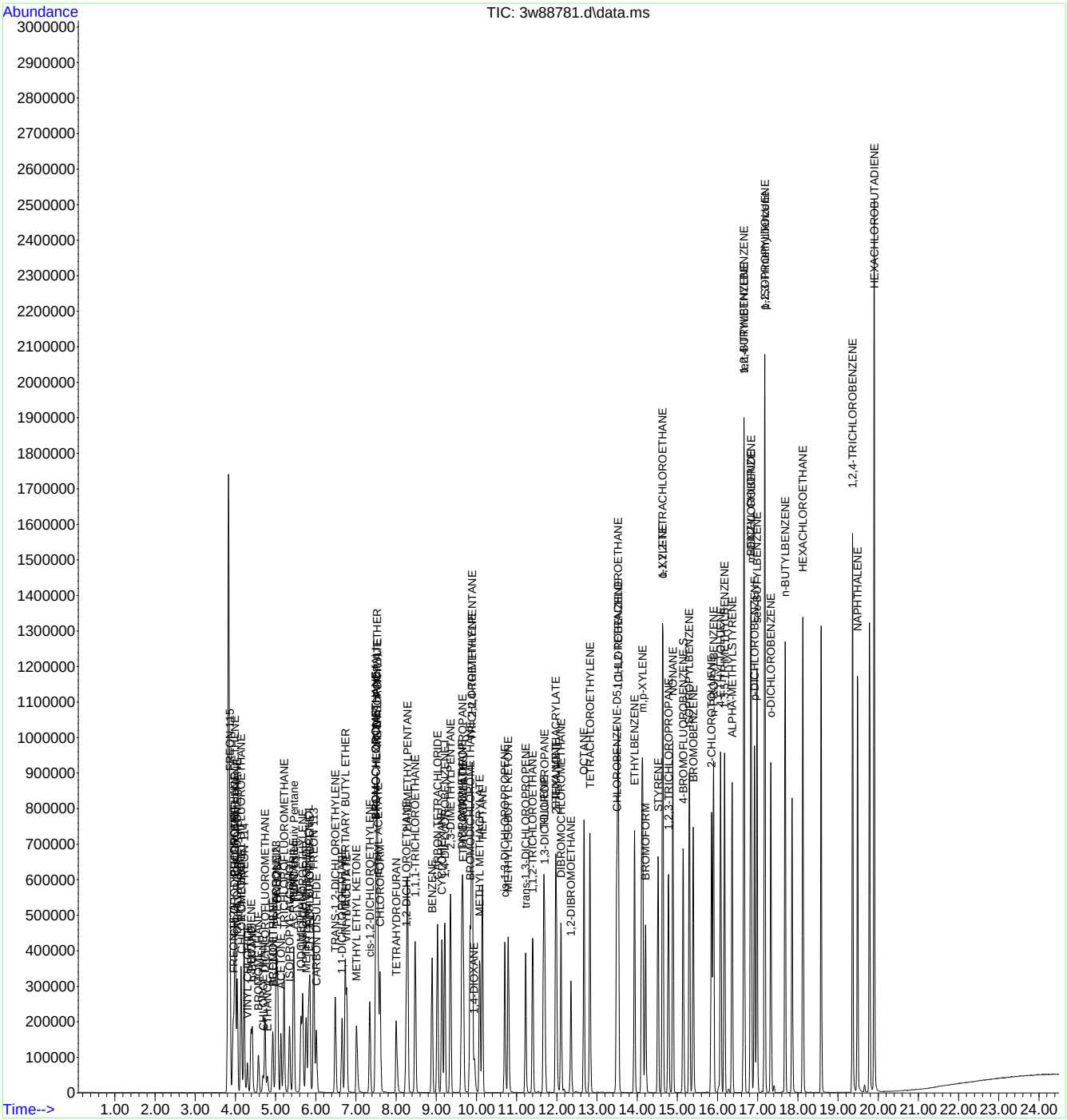
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 22 00:51:50 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



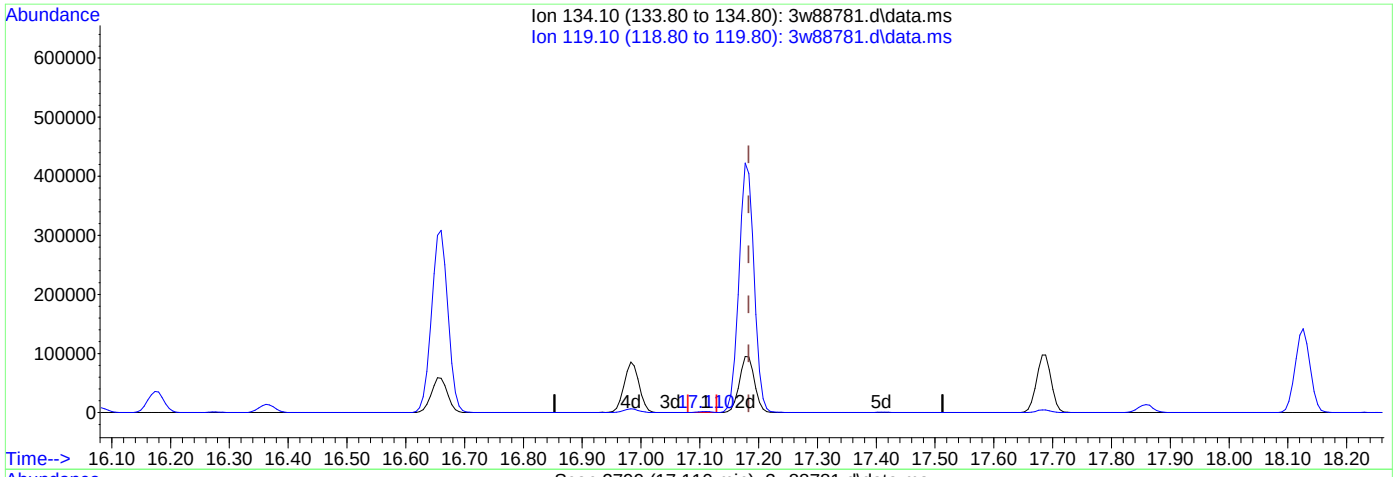
**Sample Number:** V3W3503-BSD
**Lab FileID:** 3W88781.D
**Injection Time:** 09/19/24 15:04
**Method:** TO-15
**Analyst approved:** 09/22/24 01:04 Kanya Veerawat
**Supervisor approved:** 09/22/24 01:05 Kanya Veerawat

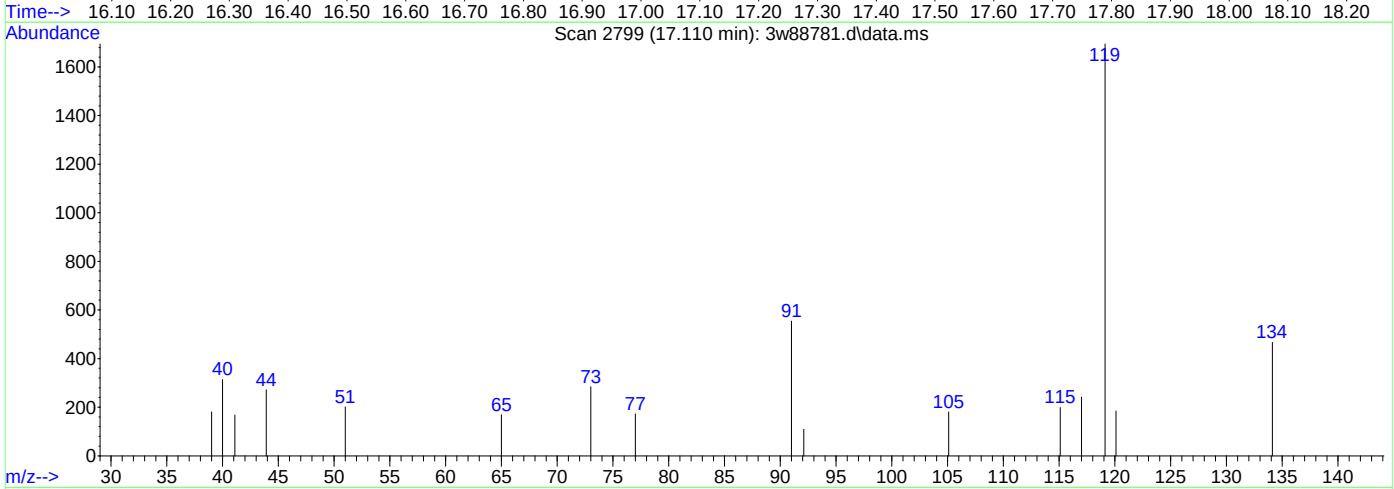
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| p-Isopropyltoluene | 99-87-6 | | 17.18 | Missed peak |

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 00:17:56 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration




TIC: 3w88781.d\data.ms

(102) p-ISOPROPYLTOLUENE

17.110min (-0.073) 0.05PPBV

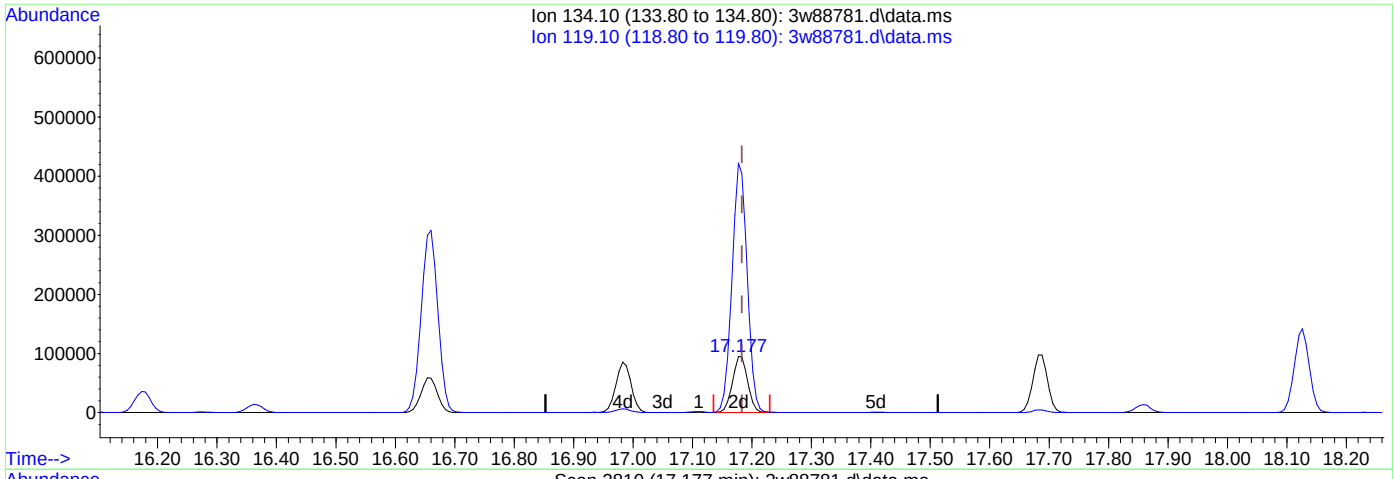
response 694

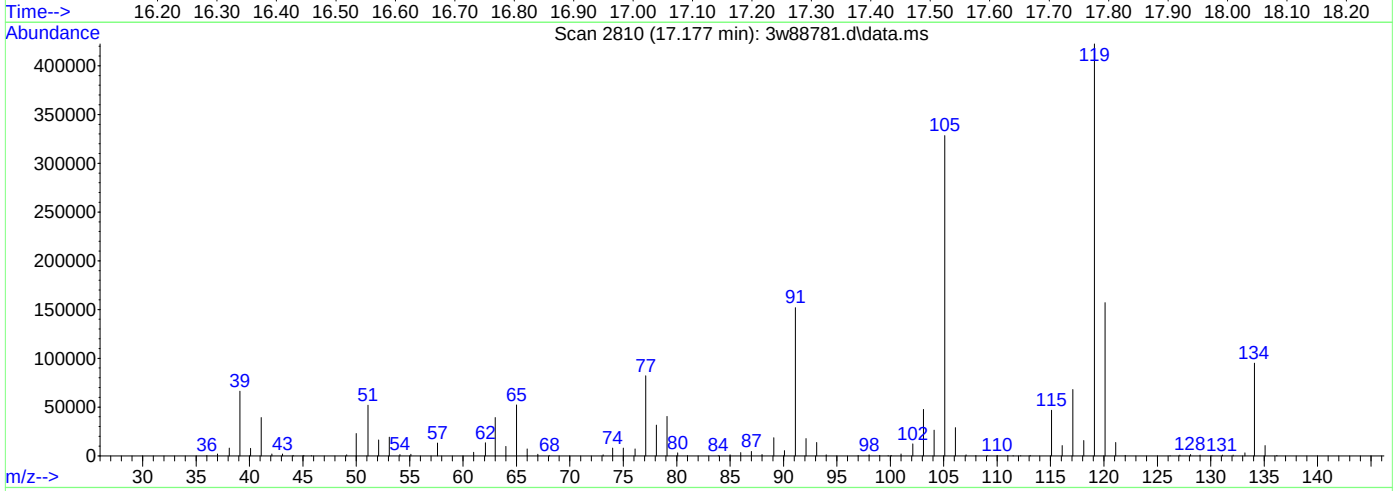
| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 119.10 | 416.50 | 406.77 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\September\09-20-2024\V3W3503\
Data File : 3w88781.d
Acq On : 19 Sep 2024 3:04 pm
Operator : thomash
Sample : bsd
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 00:17:56 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration




TIC: 3w88781.d\data.ms

(102) p-ISOPROPYLTOLUENE

17.177min (-0.006) 11.87PPBV m

response 169889

| Ion | Exp% | Act% |
|---|---|---|
| 134.10 | 100 | 100 |
| 119.10 | 416.50 | 1.66# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 55418 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 277611 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 253160 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 55418 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 177508 | 9.56 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 101689 | 14.3078 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 55097 | 14.3607 | PPBV | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21774 | 11.7686 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112246 | 12.4825 | PPBV | 74 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 235902 | 10.6156 | PPBV | 97 |
| 7) PROPYLENE | 1.673 | 41 | 73946 | 13.9268 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 166301 | 8.9382 | PPBV | 95 |
| 9) FREON 114 | 1.766 | 85 | 198006 | 10.4747 | PPBV | 99 |
| 10) CHLOROMETHANE | 1.737 | 52 | 28438 | 9.8802 | PPBV | 97 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 96261 | 10.8774 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 80883 | 11.2419 | PPBV | 89 |
| 13) N-BUTANE | 1.853 | 43 | 145108 | 11.0439 | PPBV | 100 |
| 14) BROMOMETHANE | 1.914 | 94 | 69803 | 9.8640 | PPBV | 100 |
| 15) CHLOROETHANE | 1.962 | 64 | 49710 | 10.9679 | PPBV | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 179148 | 10.3423 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 88317 | 10.2651 | PPBV | 98 |
| 18) ACROLEIN | 2.097 | 56 | 46149 | 10.6841 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 182604 | 10.3742 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 106047 | 10.5031 | PPBV | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 192934 | 9.6817 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 192983 | 10.2814 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 52190 | 10.2028 | PPBV | 76 |
| 24) PENTANE | 2.312 | 42 | 107328 | 11.2569 | PPBV | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 177911 | 10.3499 | PPBV | 94 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 74370 | 10.0290 | PPBV | 99 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 203581 | 9.4204 | PPBV | 94 |
| 28) ETHANOL | 1.997 | 45 | 52029 | 10.1448 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 70924 | 10.4799 | PPBV | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 73795 | 10.6068 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 67687 | 8.8687 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 36598 | 9.3712 | PPBV | 87 |
| 33) FREON 113 | 2.531 | 151 | 108355 | 9.2848 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 81482 | 11.2666 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 170293 | 9.4518 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 221726 | 12.2027 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 42600 | 12.3040 | PPBV | 98 |
| 38) HEXANE | 3.325 | 57 | 178660 | 11.8122 | PPBV | 90 |
| 39) VINYL ACETATE | 2.907 | 86 | 20078 | 12.1383 | PPBV | 88 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 173735 | 12.8917 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 45862 | 12.4430 | PPBV | 95 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 88547 | 11.5448 | PPBV | 97 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 49468 | 12.5693 | PPBV | 92 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36564 | 12.6496 | PPBV | 77 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 208972 | 12.6138 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 171173 | 11.0351 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 206467 | 12.7611 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 164154 | 11.6253 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 169494 | 12.2285 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 130309 | 11.0766 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 270558 | 11.8519 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 116935 | 11.9259 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 63992 | 12.7442 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 115688 | 10.8806 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 118812 | 12.5612 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 96539 | 10.8203 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 256350 | 12.6248 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 184430 | 11.3033 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 562880 | 12.5262 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 66447 | 11.4187 | PPBV | # | 93 |
| 62) | HEPTANE | 5.537 | 43 | 193898 | 12.2916 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 105889 | 12.4688 | PPBV | | 96 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 110377 | 11.3662 | PPBV | | 92 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 157761 | 13.0147 | PPBV | | 88 |
| 66) | TOLUENE | 7.267 | 91 | 324157 | 10.9745 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 163792 | 11.2868 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 128306 | 12.9035 | PPBV | | 87 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 95574 | 11.8351 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.849 | 58 | 157045 | 10.5961 | PPBV | | 89 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 172865 | 12.3089 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 117296 | 11.1141 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 180107 | 11.6424 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 168106 | 11.8166 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 268046 | 11.2960 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 128786 | 11.8616 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 255738 | 10.4357 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 425536 | 10.5932 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.508 | 91 | 654142 | 20.6156 | PPBV | | 100 |
| 81) | O-XYLENE | 12.444 | 91 | 330597 | 10.3776 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 258504 | 11.2153 | PPBV | | 98 |
| 83) | NONANE | 13.566 | 43 | 276767 | 10.9853 | PPBV | | 96 |
| 84) | BROMOFORM | 11.315 | 173 | 163001 | 11.8320 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 245760 | 10.9525 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 190960 | 10.5383 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 124352 | 10.3055 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.823 | 77 | 233548 | 10.2309 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 111484 | 10.0782 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 129897 | 10.4546 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.736 | 105 | 478052 | 10.8672 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 385407 | 10.4126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 196545 | 9.9934 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 92704 | 10.4702 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 396343 | 10.2469 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 224654 | 19.9592 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 262672 | 10.1758 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 266597 | 10.4129 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 247177 | 9.9989 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 116410 | 10.4464 | PPBV | | 97 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.994 | 105 | 386914 | 9.8803 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 126053 | 10.1372 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 125350 | 10.1557 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 146412 | 12.2228 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 198067 | 10.6641 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 250949 | 10.1410 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 585806 | 9.0609 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 495702 | 10.3057 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

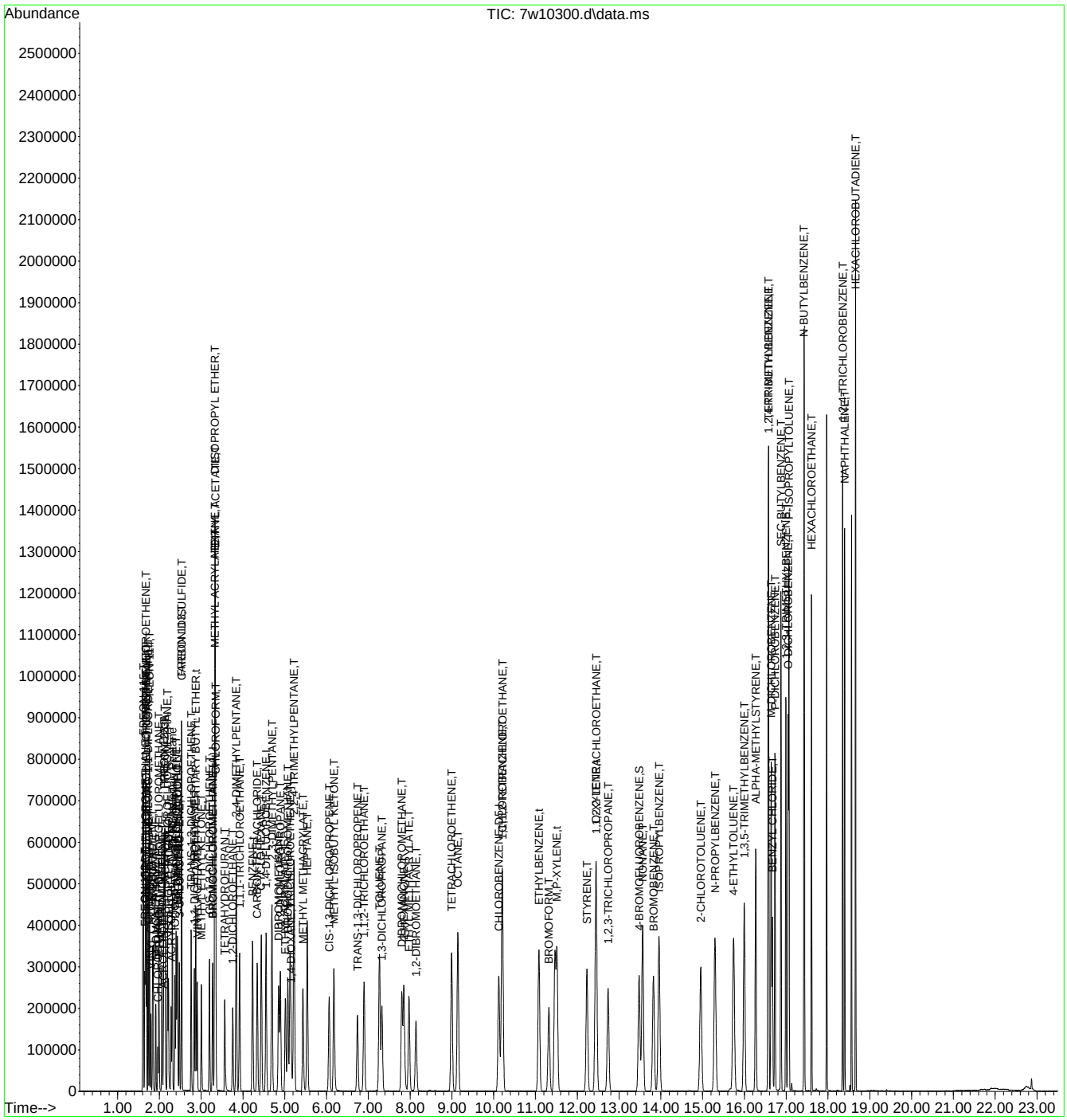
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10300.d
Acq On : 6 Nov 2024 9:45 am
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55927 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.557 | 114 | 282163 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 256452 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55927 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 180237 | 9.58 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 101219 | 14.1121 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 55279 | 14.2770 | PPBV | 89 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21660 | 11.6004 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112336 | 12.3788 | PPBV | 73 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 233527 | 10.4131 | PPBV | 97 |
| 7) PROPYLENE | 1.672 | 41 | 74092 | 13.8272 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 164409 | 8.7561 | PPBV | 95 |
| 9) FREON 114 | 1.766 | 85 | 197481 | 10.3518 | PPBV | 100 |
| 10) CHLOROMETHANE | 1.737 | 52 | 27929 | 9.6150 | PPBV | 95 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95894 | 10.7373 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 80272 | 11.0554 | PPBV | 89 |
| 13) N-BUTANE | 1.852 | 43 | 141888 | 10.7005 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 68501 | 9.5919 | PPBV | 98 |
| 15) CHLOROETHANE | 1.965 | 64 | 49722 | 10.8707 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 178775 | 10.2268 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 87064 | 10.0274 | PPBV | 97 |
| 18) ACROLEIN | 2.097 | 56 | 45664 | 10.4756 | PPBV | 99 |
| 19) FREON 123 | 2.113 | 83 | 181231 | 10.2025 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 106742 | 10.4757 | PPBV | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 191184 | 9.5065 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 188362 | 9.9439 | PPBV | 97 |
| 23) ACETONE | 2.139 | 58 | 52793 | 10.2267 | PPBV | 74 |
| 24) PENTANE | 2.312 | 42 | 107178 | 11.1388 | PPBV | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 179098 | 10.3241 | PPBV | 93 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 74256 | 9.9225 | PPBV | 99 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 202039 | 9.2639 | PPBV | 94 |
| 28) ETHANOL | 1.997 | 45 | 51138 | 9.8803 | PPBV | 97 |
| 29) BROMOETHENE | 2.068 | 106 | 70001 | 10.2494 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.283 | 52 | 74228 | 10.5719 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 67346 | 8.7437 | PPBV | 95 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 36384 | 9.2316 | PPBV | 87 |
| 33) FREON 113 | 2.534 | 151 | 109342 | 9.2841 | PPBV | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 82091 | 11.2475 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 172638 | 9.4947 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 224297 | 12.2318 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 42541 | 12.1751 | PPBV | 97 |
| 38) HEXANE | 3.328 | 57 | 179766 | 11.7771 | PPBV | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 19989 | 11.9745 | PPBV | 93 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 173697 | 12.7715 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 46053 | 12.3811 | PPBV | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 89324 | 11.5402 | PPBV | 97 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 49620 | 12.4932 | PPBV | 90 |
| 44) ETHYL ACETATE | 3.338 | 61 | 35951 | 12.3244 | PPBV | 81 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 209227 | 12.5142 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 170603 | 10.8983 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 208245 | 12.7539 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 164373 | 11.5349 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 167938 | 12.0060 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 128929 | 10.8596 | PPBV | | 99 |
| 51) | BENZENE | 4.232 | 78 | 272035 | 11.8082 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 117524 | 11.7926 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 64106 | 12.5610 | PPBV | | 95 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 117003 | 10.8268 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 119831 | 12.4646 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 97631 | 10.7661 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 258323 | 12.5167 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 185916 | 11.2106 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 562540 | 12.3167 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 66401 | 11.2267 | PPBV | # | 95 |
| 62) | HEPTANE | 5.540 | 43 | 194436 | 12.1268 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 105892 | 12.2680 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 111353 | 11.2817 | PPBV | | 91 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 157594 | 12.7911 | PPBV | | 88 |
| 66) | TOLUENE | 7.270 | 91 | 328090 | 10.9285 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 165455 | 11.2175 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 128991 | 12.7631 | PPBV | | 87 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 94854 | 11.5565 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 157600 | 10.4620 | PPBV | | 89 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 173719 | 12.1702 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 119162 | 11.1087 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 181111 | 11.5184 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 170072 | 11.7619 | PPBV | | 99 |
| 75) | OCTANE | 9.145 | 43 | 267279 | 11.0820 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 130708 | 11.8840 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 257327 | 10.3658 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 431151 | 10.5952 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.514 | 91 | 658914 | 20.4994 | PPBV | | 99 |
| 81) | O-XYLENE | 12.444 | 91 | 335200 | 10.3870 | PPBV | | 100 |
| 82) | STYRENE | 12.228 | 104 | 261312 | 11.1916 | PPBV | | 98 |
| 83) | NONANE | 13.566 | 43 | 277555 | 10.8752 | PPBV | | 95 |
| 84) | BROMOFORM | 11.322 | 173 | 164292 | 11.7726 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 247173 | 10.8741 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 191471 | 10.4309 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 126439 | 10.3440 | PPBV | | 95 |
| 89) | BROMOBENZENE | 13.823 | 77 | 234228 | 10.1290 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 112034 | 9.9979 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 131707 | 10.4642 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 486164 | 10.9098 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 391683 | 10.4464 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 197794 | 9.9278 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 93923 | 10.4717 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 405590 | 10.3513 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 229895 | 20.1627 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 265683 | 10.1603 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 270019 | 10.4112 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 252169 | 10.0699 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 118899 | 10.5328 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 389415 | 9.8165 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 128329 | 10.1877 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 129087 | 10.3242 | PPBV | | 92 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 146474 | 12.0710 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 201713 | 10.7210 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 256863 | 10.2467 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 592835 | 9.0519 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 494716 | 10.1916 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

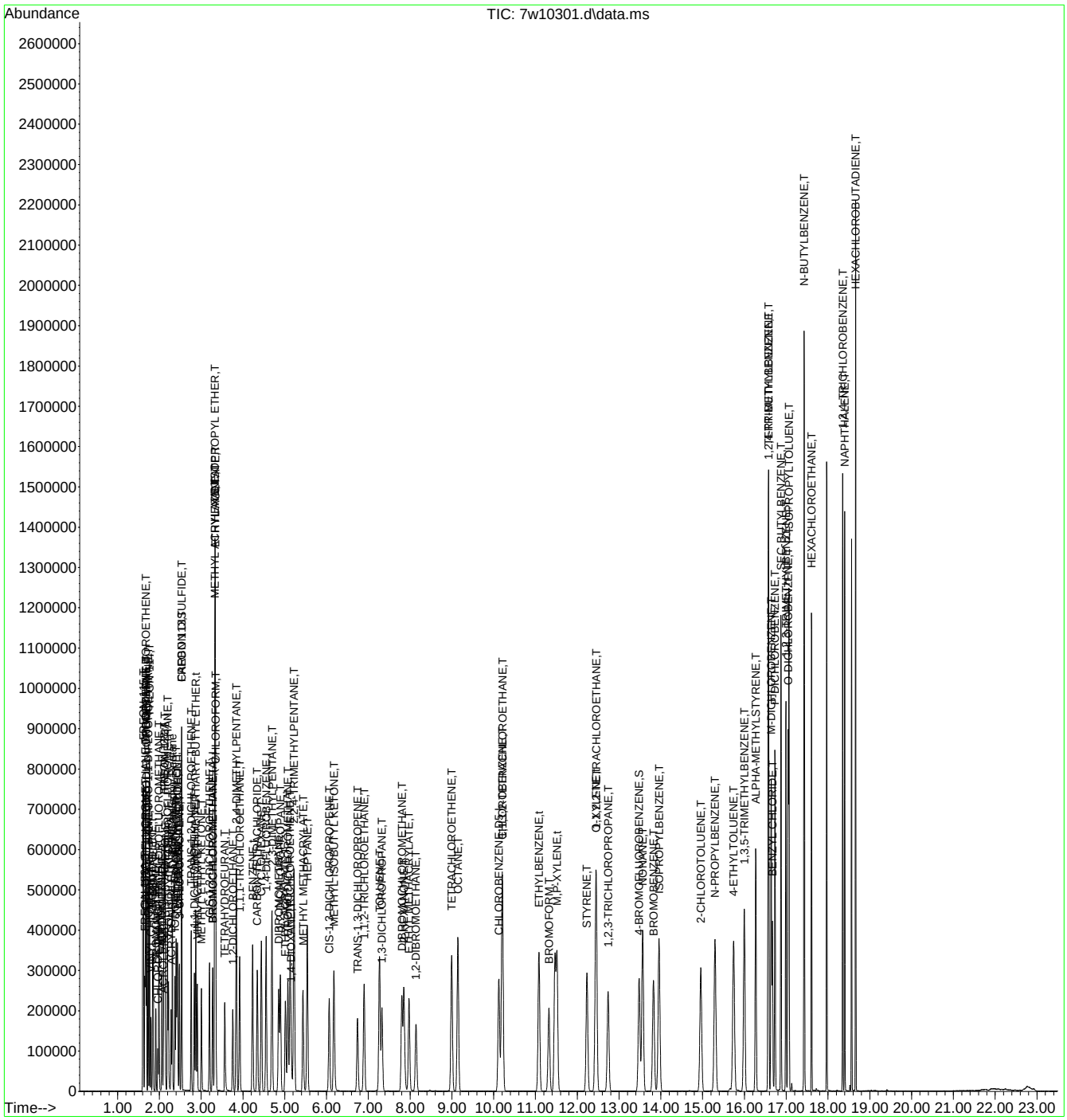
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10301.d
Acq On : 6 Nov 2024 10:21 am
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:52:20 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 59927 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 307732 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 281115 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 59927 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 190904 | 9.26 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 110512 | 14.3793 | PPBV | 96 |
| 3) FREON 152A | 1.650 | 65 | 59070 | 14.2378 | PPBV | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22970 | 11.4809 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122529 | 12.6008 | PPBV | 73 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 255544 | 10.6343 | PPBV | 96 |
| 7) PROPYLENE | 1.670 | 41 | 76743 | 13.3660 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.731 | 65 | 172937 | 8.5955 | PPBV | 93 |
| 9) FREON 114 | 1.766 | 85 | 217219 | 10.6265 | PPBV | 95 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27200 | 8.7390 | PPBV | 94 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 99503 | 10.3978 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 80190 | 10.3069 | PPBV | 85 |
| 13) N-BUTANE | 1.853 | 43 | 127768 | 8.9925 | PPBV | 96 |
| 14) BROMOMETHANE | 1.914 | 94 | 78281 | 10.2297 | PPBV | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 51878 | 10.5850 | PPBV | 91 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 189308 | 10.1065 | PPBV | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 77908 | 8.3740 | PPBV | 98 |
| 18) ACROLEIN | 2.097 | 56 | 44203 | 9.4636 | PPBV | 96 |
| 19) FREON 123 | 2.113 | 83 | 201252 | 10.5734 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 125238 | 11.4705 | PPBV | 91 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 215086 | 9.9812 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 177899 | 8.7647 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 53254 | 9.6274 | PPBV | 66 |
| 24) PENTANE | 2.313 | 42 | 90696 | 8.7967 | PPBV | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 225162 | 12.1131 | PPBV | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.400 | 96 | 86229 | 10.7533 | PPBV | 85 |
| 27) CARBON DISULFIDE | 2.535 | 76 | 224756m | 9.6177 | PPBV | |
| 28) ETHANOL | 1.998 | 45 | 49449 | 8.9163 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83471 | 11.4058 | PPBV # | 97 |
| 30) ACRYLONITRILE | 2.281 | 52 | 69775 | 9.2744 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75329 | 9.1274 | PPBV | 80 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 39694 | 9.3992 | PPBV # | 62 |
| 33) FREON 113 | 2.535 | 151 | 140140 | 11.1049 | PPBV | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 91287 | 11.6726 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 176592 | 9.0639 | PPBV | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 239170 | 12.1723 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45330 | 12.1074 | PPBV | 96 |
| 38) HEXANE | 3.329 | 57 | 186212 | 11.3851 | PPBV | 88 |
| 39) VINYL ACETATE | 2.908 | 86 | 21657 | 12.1078 | PPBV | 77 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 181698 | 12.4681 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 48800 | 12.2439 | PPBV | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 94849 | 11.4360 | PPBV | 100 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52672 | 12.3764 | PPBV | 84 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36929 | 11.8146 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 215839 | 12.0480 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 181569 | 10.8246 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 215745 | 12.3313 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178620 | 11.6980 | PPBV | 96 |
| 49) CARBON TETRACHLORIDE | 4.342 | 117 | 186476 | 12.4415 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 135176 | 10.6258 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 285064 | 11.5478 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 123825 | 11.3925 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66437 | 11.9361 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 124837 | 10.5919 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.898 | 63 | 126622 | 12.0766 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110137 | 11.1361 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.017 | 55 | 267872 | 11.9010 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 198539 | 10.9770 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.223 | 57 | 587587 | 11.7962 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 68433 | 10.6089 | PPBV | # | 93 |
| 62) | HEPTANE | 5.541 | 43 | 196653 | 11.2460 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 110695 | 11.7588 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116018 | 10.7777 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167663 | 12.4777 | PPBV | | 86 |
| 66) | TOLUENE | 7.268 | 91 | 346089 | 10.5702 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 172835 | 10.7442 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139504 | 12.6564 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.895 | 83 | 101053 | 11.2887 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.853 | 58 | 162743 | 9.9058 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 180957 | 11.6239 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 134599 | 11.5053 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200804 | 11.7098 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 183640 | 11.6450 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 271332 | 10.3153 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.210 | 131 | 143846 | 11.9311 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 278592 | 10.2378 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 457220 | 10.2501 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 703381 | 19.9630 | PPBV | | 100 |
| 81) | O-XYLENE | 12.441 | 91 | 355250 | 10.0425 | PPBV | | 99 |
| 82) | STYRENE | 12.229 | 104 | 278357 | 10.8757 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 279616 | 9.9947 | PPBV | | 93 |
| 84) | BROMOFORM | 11.322 | 173 | 187082 | 12.2296 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 261976 | 10.5142 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 201971 | 10.0376 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 136930 | 10.2194 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 246840 | 9.7379 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 122323 | 9.9584 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 142602 | 10.3358 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 514233 | 10.5272 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 421583 | 10.2573 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 216053 | 9.8929 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102644 | 10.4400 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 435406 | 10.1374 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 258850 | 20.7104 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 294616 | 10.2783 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 299214 | 10.5247 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 280983 | 10.2361 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.872 | 134 | 129277 | 10.4474 | PPBV | | 92 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.991 | 105 | 420338 | 9.6664 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 140956 | 10.2084 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 141251 | 10.3059 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159980 | 12.0274 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.646 | 225 | 225111 | 10.9149 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.338 | 180 | 276617 | 10.0666 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 639531 | 8.9082 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 439346 | 8.4468 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

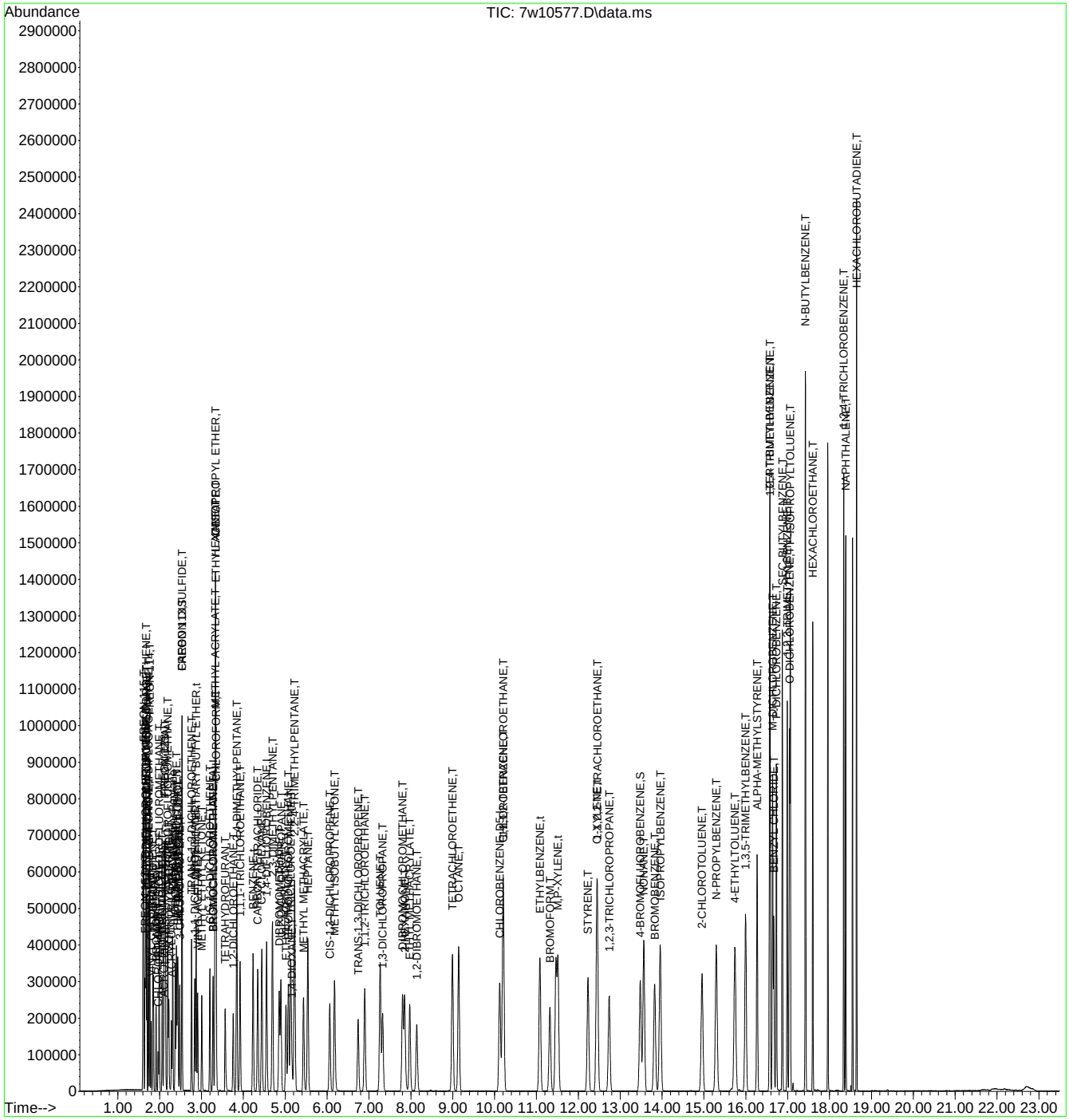
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



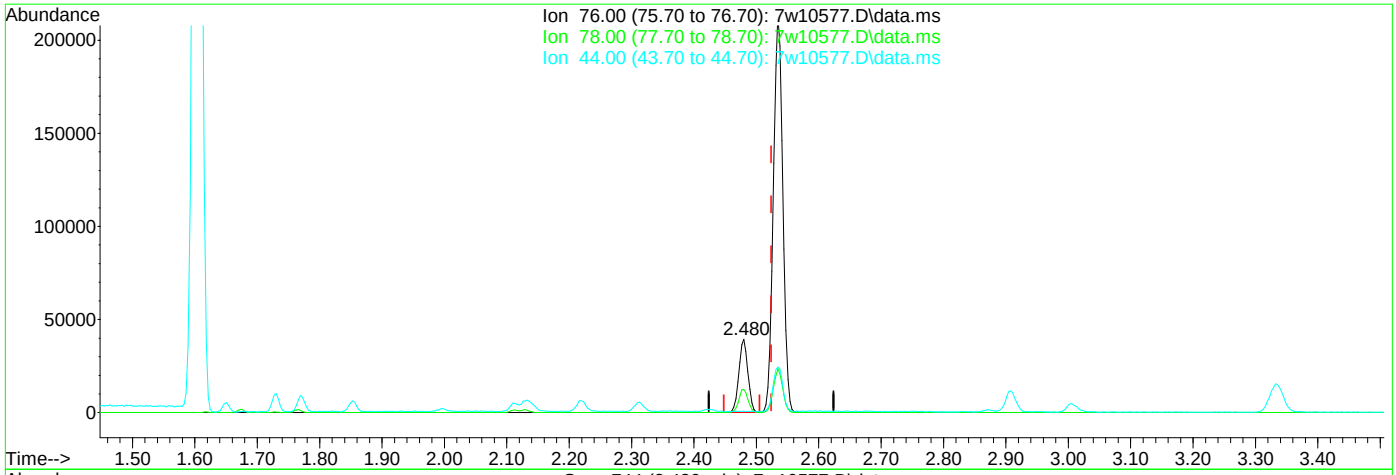
**Sample Number:** V7W387-BS
**Lab FileID:** 7W10577.D
**Injection Time:** 11/18/24 10:11
**Method:** TO-15
**Analyst approved:** 11/19/24 00:49 Lucky Carandang
**Supervisor approved:** 11/19/24 11:36 Kanya Veerawat

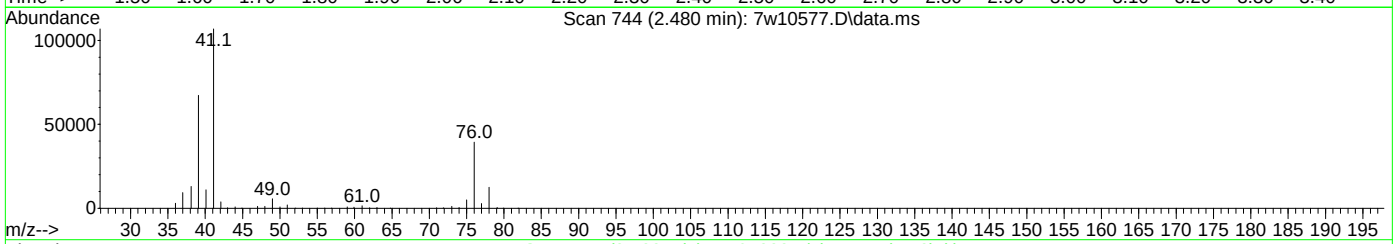
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

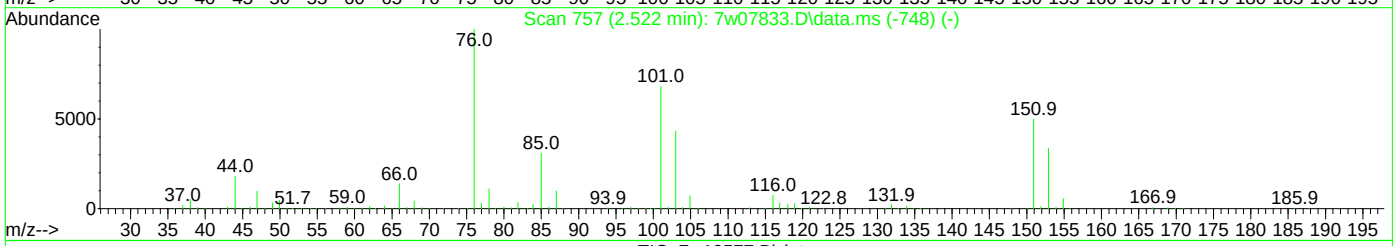
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

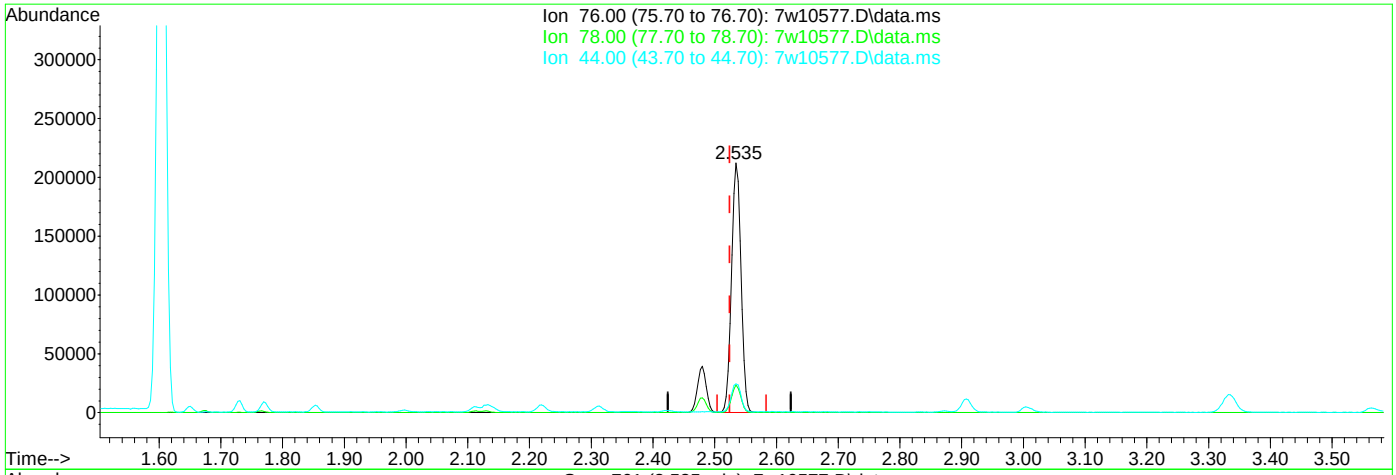
response 39710

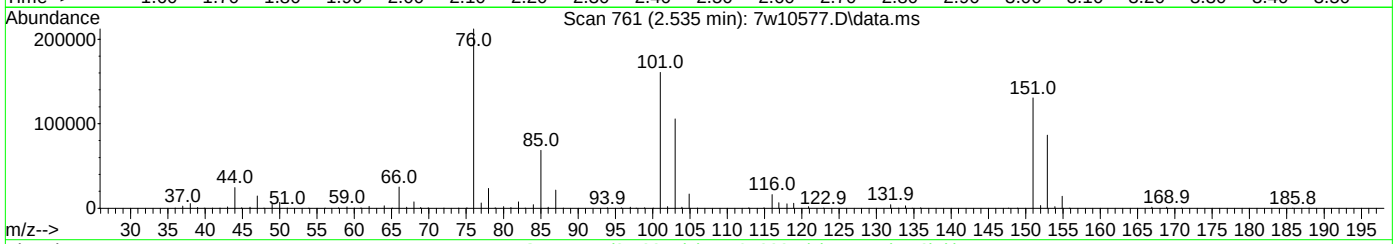
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.64# |
| 44.00 | 19.10 | 0.64# |
| 0.00 | 0.00 | 0.00 |

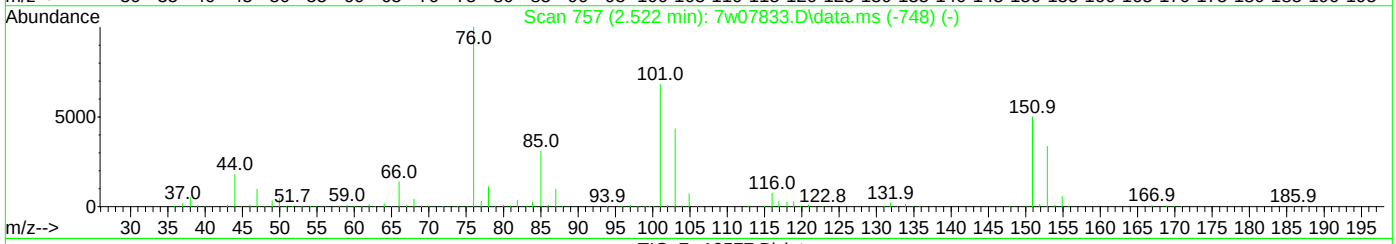
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.77# |
| 44.00 | 19.10 | 0.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 59448 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 304227 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 275746 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 59448 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 190632 | 9.42 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 112227 | 14.7201 | PPBV | 97 |
| 3) FREON 152A | 1.650 | 65 | 57446 | 13.9579 | PPBV | 84 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21726 | 10.9466 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126112 | 13.0738 | PPBV | 69 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 252623 | 10.5975 | PPBV | 94 |
| 7) PROPYLENE | 1.672 | 41 | 67225 | 11.8027 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 168232 | 8.4290 | PPBV | 92 |
| 9) FREON 114 | 1.766 | 85 | 219573 | 10.8282 | PPBV | 94 |
| 10) CHLOROMETHANE | 1.737 | 52 | 24803 | 8.0331 | PPBV | 91 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95931 | 10.1053 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 74674 | 9.6753 | PPBV | 84 |
| 13) N-BUTANE | 1.852 | 43 | 121165 | 8.5965 | PPBV | 95 |
| 14) BROMOMETHANE | 1.914 | 94 | 78468 | 10.3368 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 52103 | 10.7165 | PPBV | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 185911 | 10.0051 | PPBV | 97 |
| 17) ACETONITRILE | 2.061 | 41 | 76003 | 8.2350 | PPBV | 99 |
| 18) ACROLEIN | 2.100 | 56 | 44428 | 9.5884 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 200054 | 10.5952 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 123450 | 11.3978 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 210804 | 9.8613 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 172563 | 8.5703 | PPBV | 96 |
| 23) ACETONE | 2.139 | 58 | 53727 | 9.7912 | PPBV | 64 |
| 24) PENTANE | 2.312 | 42 | 92167 | 9.0114 | PPBV | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 223797 | 12.1367 | PPBV | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 84135 | 10.5767 | PPBV | 87 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 221254 | 9.5441 | PPBV # | 90 |
| 28) ETHANOL | 1.997 | 45 | 46856 | 8.5168 | PPBV | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 82455 | 11.3578 | PPBV # | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 69892 | 9.3648 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 74697 | 9.1237 | PPBV | 80 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 40349 | 9.6313 | PPBV # | 59 |
| 33) FREON 113 | 2.534 | 151 | 136726 | 10.9217 | PPBV | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 90883 | 11.7146 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 175438 | 9.0773 | PPBV | 91 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 240324 | 12.3296 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45290 | 12.1941 | PPBV | 94 |
| 38) HEXANE | 3.328 | 57 | 184582 | 11.3764 | PPBV | 88 |
| 39) VINYL ACETATE | 2.907 | 86 | 21094 | 11.8881 | PPBV | 84 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 180973 | 12.5184 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 47682 | 12.0598 | PPBV | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95006 | 11.5473 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52095 | 12.3395 | PPBV | 83 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36641 | 11.8170 | PPBV | 76 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 213749 | 12.0275 | PPBV # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 181081 | 10.8825 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 214369 | 12.3513 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179286 | 11.8362 | PPBV | 95 |
| 49) CARBON TETRACHLORIDE | 4.344 | 117 | 185073 | 12.4473 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.759 | 62 | 133903 | 10.6105 | PPBV | | 99 |
| 51) BENZENE | 4.232 | 78 | 285053 | 11.6404 | PPBV | | 96 |
| 53) CYCLOHEXANE | 4.441 | 84 | 123486 | 11.4922 | PPBV | | 93 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66451 | 12.0762 | PPBV | | 96 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 124532 | 10.6877 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 4.897 | 63 | 124852 | 12.0450 | PPBV | | 95 |
| 57) DIBROMOMETHANE | 4.856 | 174 | 110196 | 11.2704 | PPBV | | 91 |
| 58) ETHYL ACRYLATE | 5.016 | 55 | 264942 | 11.9064 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.074 | 83 | 197810 | 11.0627 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 581722 | 11.8130 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 67881 | 10.6446 | PPBV | # | 95 |
| 62) HEPTANE | 5.540 | 43 | 194597 | 11.2566 | PPBV | | 97 |
| 63) METHYL METHACRYLATE | 5.438 | 69 | 110949 | 11.9216 | PPBV | | 92 |
| 64) METHYL ISOBUTYL KETONE | 6.174 | 58 | 114615 | 10.7700 | PPBV | | 88 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167753 | 12.6282 | PPBV | | 86 |
| 66) TOLUENE | 7.267 | 91 | 347675 | 10.7410 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.328 | 76 | 171884 | 10.8082 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139337 | 12.7869 | PPBV | | 85 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 100397 | 11.3447 | PPBV | | 99 |
| 70) 2-HEXANONE | 7.849 | 58 | 162687 | 10.0165 | PPBV | | 86 |
| 71) ETHYL METHACRYLATE | 7.974 | 69 | 179934 | 11.6913 | PPBV | | 93 |
| 72) TETRACHLOROETHENE | 8.997 | 164 | 135676 | 11.7309 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.801 | 129 | 199913 | 11.7921 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.145 | 107 | 182986 | 11.7372 | PPBV | | 100 |
| 75) OCTANE | 9.142 | 43 | 268341 | 10.3191 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144815 | 12.2454 | PPBV | | 92 |
| 78) CHLOROBENZENE | 10.199 | 112 | 279014 | 10.4529 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.084 | 91 | 458943 | 10.4891 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.514 | 91 | 712410 | 20.6129 | PPBV | | 98 |
| 81) O-XYLENE | 12.444 | 91 | 357163 | 10.2932 | PPBV | | 98 |
| 82) STYRENE | 12.228 | 104 | 284416 | 11.3288 | PPBV | | 96 |
| 83) NONANE | 13.563 | 43 | 247974 | 9.0363 | PPBV | | 86 |
| 84) BROMOFORM | 11.322 | 173 | 196785 | 13.1143 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 261640 | 10.7052 | PPBV | | 98 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 198044 | 10.0341 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 142718 | 10.8588 | PPBV | | 90 |
| 89) BROMOBENZENE | 13.820 | 77 | 245227 | 9.8626 | PPBV | | 90 |
| 90) 2-CHLOROTOLUENE | 14.958 | 126 | 126461 | 10.4957 | PPBV | | 98 |
| 91) N-PROPYLBENZENE | 15.289 | 120 | 149258 | 11.0289 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 524683 | 10.9503 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 428738 | 10.6345 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 227883 | 10.6378 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 107149 | 11.1104 | PPBV | | 92 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 444260 | 10.5449 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 257782 | 21.0265 | PPBV | | 96 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 311779 | 11.0889 | PPBV | | 96 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 312888 | 11.2200 | PPBV | | 96 |
| 100) O-DICHLOROBENZENE | 17.042 | 146 | 299868 | 11.1368 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 133359 | 10.9871 | PPBV | | 89 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 431281 | 10.1111 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 147019 | 10.8548 | PPBV | | 91 |
| 104) N-BUTYLBENZENE | 17.421 | 134 | 143845 | 10.6995 | PPBV | | 84 |
| 105) HEXACHLOROETHANE | 17.598 | 117 | 161090 | 12.3466 | PPBV | | 94 |
| 106) HEXACHLOROBUTADIENE | 18.649 | 225 | 225577 | 11.1504 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 279684 | 10.3764 | PPBV | | 100 |
| 108) NAPHTHALENE | 18.386 | 128 | 646041 | 9.1741 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 447566 | 8.6742 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

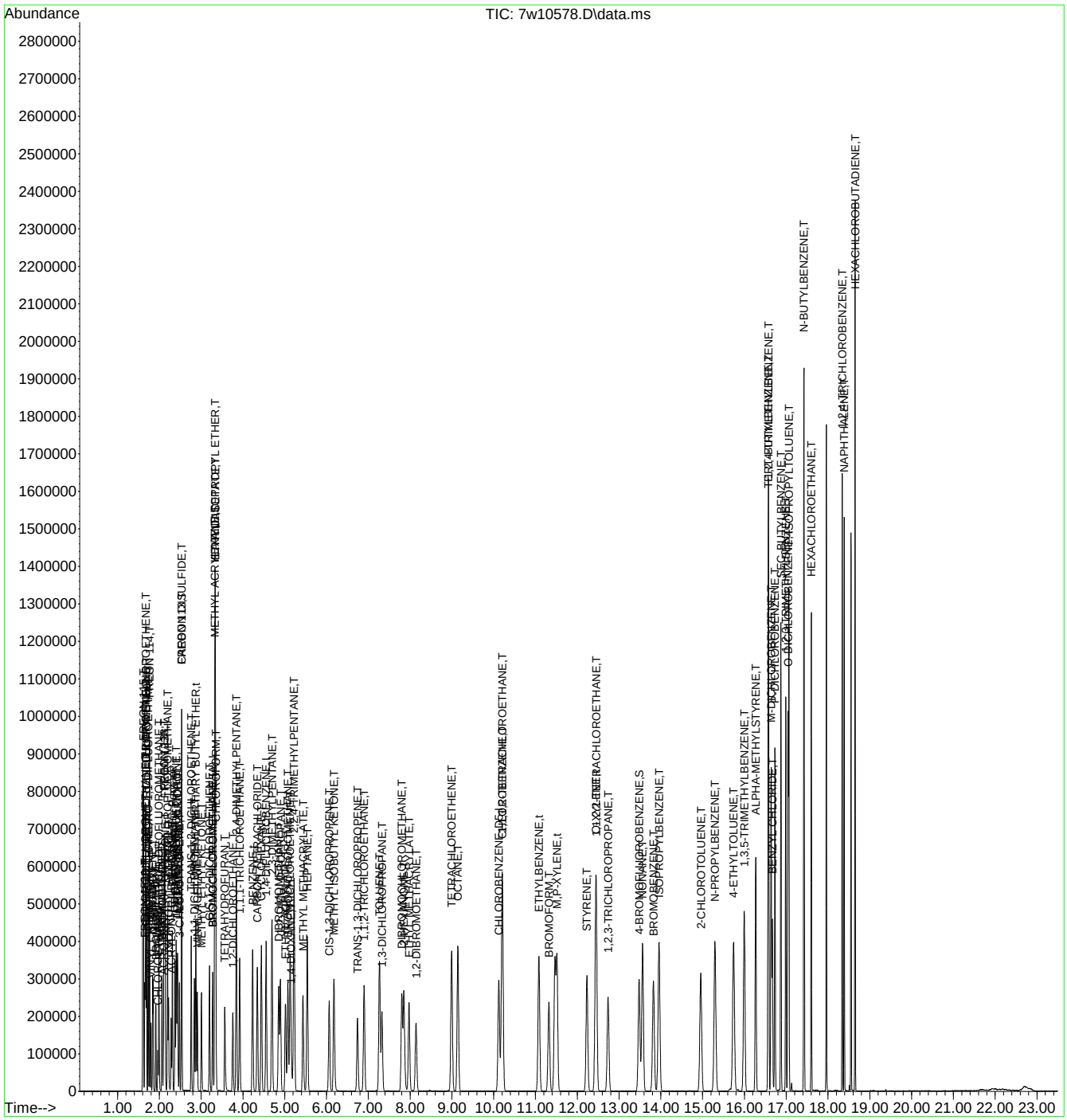
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 382948 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 316986 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 227554 | 9.79 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 126184 | 13.5212 | PPBV | 96 |
| 3) FREON 152A | 1.650 | 65 | 65524 | 13.0064 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28168 | 11.5945 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134871 | 11.4225 | PPBV | 86 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 315452 | 10.8108 | PPBV | 99 |
| 7) PROPYLENE | 1.672 | 41 | 80877 | 11.6003 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265409 | 10.8638 | PPBV | 97 |
| 9) FREON 114 | 1.766 | 85 | 286696 | 11.5504 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39336 | 10.4080 | PPBV | 96 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 133813 | 11.5155 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 106307 | 11.2526 | PPBV | 94 |
| 13) N-BUTANE | 1.853 | 43 | 187513 | 10.8686 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 98008 | 10.5475 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 66107 | 11.1080 | PPBV | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 248798 | 10.9386 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 104347 | 9.2366 | PPBV | 100 |
| 18) ACROLEIN | 2.097 | 56 | 56353 | 9.9359 | PPBV | 99 |
| 19) FREON 123 | 2.110 | 83 | 246909 | 10.6830 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 139268 | 10.5046 | PPBV | 91 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 264243 | 10.0985 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 237293 | 9.6279 | PPBV | 99 |
| 23) ACETONE | 2.139 | 58 | 66012 | 9.8280 | PPBV | 84 |
| 24) PENTANE | 2.312 | 42 | 126246 | 10.0840 | PPBV | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 243976 | 10.8091 | PPBV | 96 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 103685 | 10.6485 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 312953 | 11.0286 | PPBV | 96 |
| 28) ETHANOL | 1.997 | 45 | 68332 | 10.1469 | PPBV | 97 |
| 29) BROMOETHENE | 2.065 | 106 | 97120 | 10.9291 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 90682 | 9.9263 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.435 | 84 | 100386 | 10.0170 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 56068 | 10.9336 | PPBV | 88 |
| 33) FREON 113 | 2.531 | 151 | 149829 | 9.7776 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 101879 | 10.7282 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 251712 | 10.6398 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.869 | 73 | 282521 | 11.8413 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.560 | 72 | 52317 | 11.5077 | PPBV | 93 |
| 38) HEXANE | 3.325 | 57 | 212284 | 10.6888 | PPBV | 93 |
| 39) VINYL ACETATE | 2.904 | 86 | 25650 | 11.8096 | PPBV | 75 |
| 40) 1,1-DICHLOROETHANE | 2.833 | 63 | 218138 | 12.3272 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 56445 | 11.6629 | PPBV | 87 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113336 | 11.2536 | PPBV | 100 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 60997 | 11.8034 | PPBV | 81 |
| 44) ETHYL ACETATE | 3.338 | 61 | 43757 | 11.5288 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 251871 | 11.5783 | PPBV # | 26 |
| 46) CHLOROFORM | 3.344 | 83 | 228066 | 11.1973 | PPBV | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 242883 | 11.4326 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 216676 | 11.6862 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 217532 | 11.9524 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.756 | 62 | 169233 | 10.9554 | PPBV | | 100 |
| 51) BENZENE | 4.229 | 78 | 331480 | 11.0585 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.438 | 84 | 148223 | 10.9587 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 77476 | 11.1854 | PPBV | | 100 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 151444 | 10.3256 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 143500 | 10.9982 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 130402 | 10.5954 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 303595 | 10.8388 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.071 | 83 | 247135 | 10.9801 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 656851 | 10.5967 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.148 | 88 | 80000 | 9.9662 | PPBV | # | 96 |
| 62) HEPTANE | 5.537 | 43 | 216836 | 9.9647 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 130131 | 11.1084 | PPBV | | 93 |
| 64) METHYL ISOBUTYL KETONE | 6.174 | 58 | 132769 | 9.9113 | PPBV | | 90 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200423 | 11.9861 | PPBV | | 91 |
| 66) TOLUENE | 7.264 | 91 | 404305 | 9.9228 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 207925 | 10.3868 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 168558 | 12.2887 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122608 | 11.0065 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.846 | 58 | 184199 | 9.0096 | PPBV | | 91 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 212394 | 10.9635 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 159732 | 10.9718 | PPBV | | 97 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 233469 | 10.9405 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 224023 | 11.4156 | PPBV | | 98 |
| 75) OCTANE | 9.138 | 43 | 302650 | 9.2460 | PPBV | | 95 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173606 | 12.7700 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.196 | 112 | 332741 | 10.8440 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.084 | 91 | 530999 | 10.5570 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.505 | 91 | 818572 | 20.6032 | PPBV | | 99 |
| 81) O-XYLENE | 12.441 | 91 | 417664 | 10.4708 | PPBV | | 98 |
| 82) STYRENE | 12.225 | 104 | 322768 | 11.1838 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 321867 | 10.2031 | PPBV | | 93 |
| 84) BROMOFORM | 11.318 | 173 | 204791 | 11.8723 | PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 325689 | 11.5921 | PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245814 | 10.8341 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.955 | 120 | 164743 | 10.9038 | PPBV | | 96 |
| 89) BROMOBENZENE | 13.820 | 77 | 297259 | 10.3999 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 14.952 | 126 | 147645 | 10.6596 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 171928 | 11.0512 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.739 | 105 | 606755 | 11.0157 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 496783 | 10.7192 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 253768 | 10.3049 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 126733 | 11.4314 | PPBV | | 93 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 525402 | 10.8484 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 306225 | 21.7283 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 349431 | 10.8111 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 352985 | 11.0111 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 334301 | 10.8003 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 159334 | 11.4193 | PPBV | | 91 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507649 | 10.3532 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 173553 | 11.1468 | PPBV | | 93 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 175339 | 11.3453 | PPBV | | 90 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 192204 | 12.8148 | PPBV | | 94 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 274155 | 11.7886 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 340220 | 10.9802 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.395 | 128 | 782109 | 9.6614 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 609787 | 9.6549 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

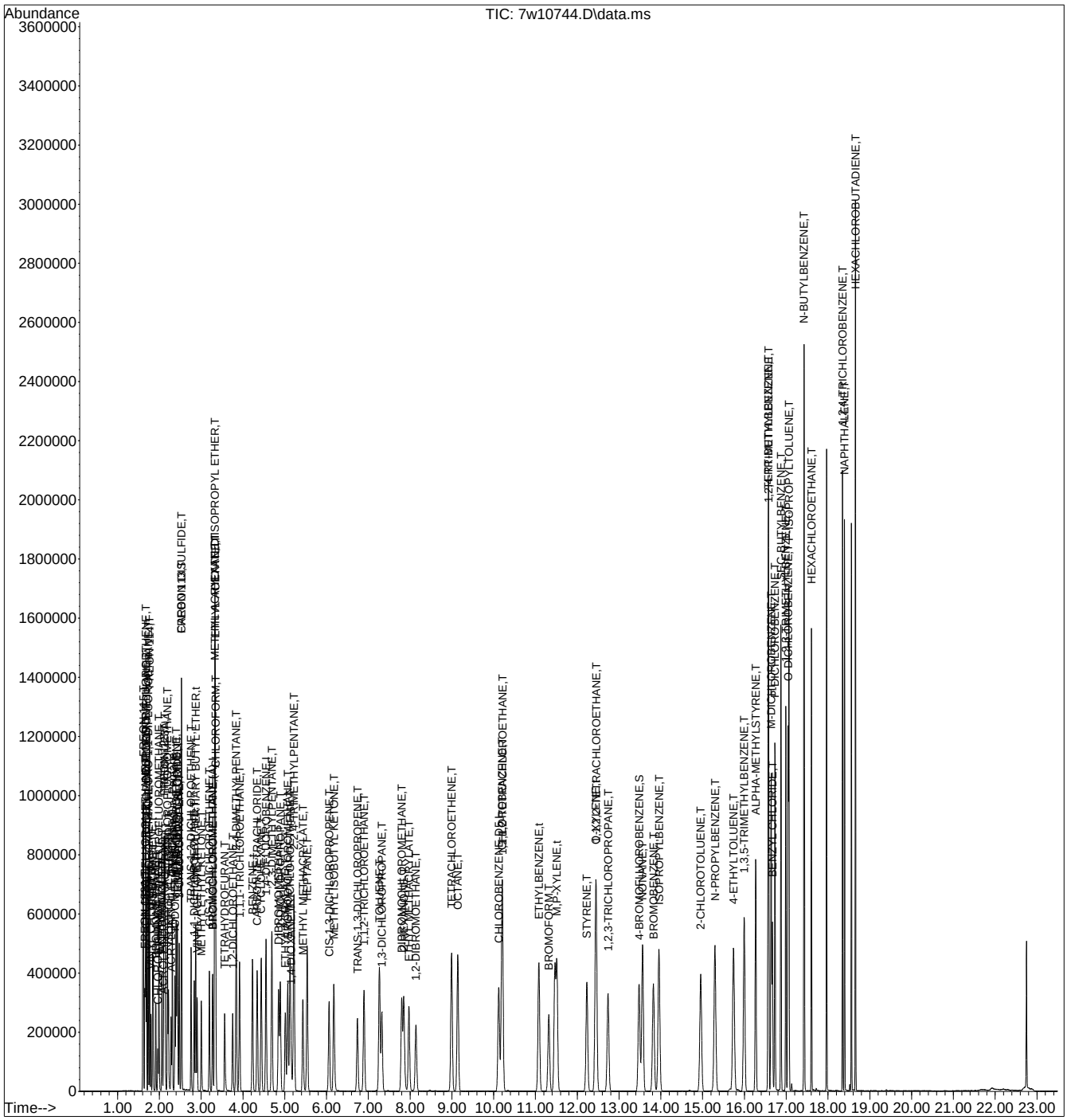
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| | Internal Standards | | | | | | | |
| 1) | BROMOCHLOROMETHANE | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| 52) | 1,4-DIFLUOROBENZENE | 4.553 | 114 | 390728 | 10.00 | PPBV | | 0.00 |
| 76) | CHLOROBENZENE-D5 | 10.122 | 117 | 328697 | 10.00 | PPBV | | 0.00 |
| 109) | BROMOCHLOROMETHANE (A) | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| | System Monitoring Compounds | | | | | | | |
| 87) | 4-BROMOFLUOROBENZENE | 13.476 | 95 | 238015 | 9.87 | PPBV | | 0.00 |
| | Target Compounds | | | | | | | Qvalue |
| 2) | FREON 115 | 1.621 | 119 | 126767 | 13.4354 | PPBV | | 97 |
| 3) | FREON 152A | 1.650 | 65 | 64072 | 12.5794 | PPBV | | 94 |
| 4) | CHLORODIFLUOROMETHANE | 1.663 | 67 | 27910 | 11.3629 | PPBV | | 96 |
| 5) | CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134953 | 11.3047 | PPBV | | 85 |
| 6) | DICHLORODIFLUOROMETHANE | 1.692 | 85 | 312492 | 10.5925 | PPBV | | 98 |
| 7) | PROPYLENE | 1.673 | 41 | 78101 | 11.0799 | PPBV | | 99 |
| 8) | 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 261180 | 10.5740 | PPBV | | 97 |
| 9) | FREON 114 | 1.766 | 85 | 287471 | 11.4552 | PPBV | | 97 |
| 10) | CHLOROMETHANE | 1.737 | 52 | 37526 | 9.8207 | PPBV | | 97 |
| 11) | VINYL CHLORIDE | 1.798 | 62 | 131592 | 11.2008 | PPBV | | 99 |
| 12) | 1,3-BUTADIENE | 1.837 | 54 | 102140 | 10.6935 | PPBV | | 95 |
| 13) | N-BUTANE | 1.853 | 43 | 182502 | 10.4627 | PPBV | | 99 |
| 14) | BROMOMETHANE | 1.914 | 94 | 96480 | 10.2698 | PPBV | | 98 |
| 15) | CHLOROETHANE | 1.965 | 64 | 64033 | 10.6421 | PPBV | | 89 |
| 16) | DICHLOROFLUOROMETHANE | 1.988 | 67 | 243023 | 10.5681 | PPBV | | 99 |
| 17) | ACETONITRILE | 2.058 | 41 | 102241 | 8.9514 | PPBV | | 100 |
| 18) | ACROLEIN | 2.097 | 56 | 54358 | 9.4795 | PPBV | | 99 |
| 19) | FREON 123 | 2.110 | 83 | 246615 | 10.5538 | PPBV | | 99 |
| 20) | FREON 123A | 2.129 | 117 | 140717 | 10.4980 | PPBV | | 96 |
| 21) | TRICHLOROFLUOROMETHANE | 2.193 | 101 | 261134 | 9.8707 | PPBV | | 100 |
| 22) | ISOPROPYL ALCOHOL | 2.219 | 45 | 232396 | 9.3262 | PPBV | | 99 |
| 23) | ACETONE | 2.139 | 58 | 63944 | 9.4162 | PPBV | | 84 |
| 24) | PENTANE | 2.309 | 42 | 121088 | 9.5664 | PPBV | | 97 |
| 25) | IODOMETHANE | 2.370 | 142 | 245857 | 10.7736 | PPBV | | 96 |
| 26) | 1,1-DICHLOROETHYLENE | 2.399 | 96 | 105886 | 10.7558 | PPBV | | 97 |
| 27) | CARBON DISULFIDE | 2.531 | 76 | 305632m | 10.6530 | PPBV | | |
| 28) | ETHANOL | 1.997 | 45 | 64956 | 9.5403 | PPBV | | 98 |
| 29) | BROMOETHENE | 2.065 | 106 | 96391 | 10.7286 | PPBV | | 98 |
| 30) | ACRYLONITRILE | 2.280 | 52 | 88218 | 9.5512 | PPBV | | 99 |
| 31) | METHYLENE CHLORIDE | 2.435 | 84 | 99175 | 9.7882 | PPBV | | 98 |
| 32) | 3-CHLOROPROPENE | 2.476 | 76 | 55651 | 10.7338 | PPBV | | 90 |
| 33) | FREON 113 | 2.531 | 151 | 148017 | 9.5539 | PPBV | | 91 |
| 34) | TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 102117 | 10.6359 | PPBV | | 96 |
| 35) | TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 250941 | 10.4914 | PPBV | | 98 |
| 36) | METHYL TERTIARY BUTYL ... | 2.872 | 73 | 282260 | 11.7012 | PPBV | | 99 |
| 37) | TETRAHYDROFURAN | 3.563 | 72 | 52892 | 11.5072 | PPBV | | 92 |
| 38) | HEXANE | 3.325 | 57 | 213710 | 10.6432 | PPBV | | 93 |
| 39) | VINYL ACETATE | 2.907 | 86 | 24425 | 11.1229 | PPBV | | 75 |
| 40) | 1,1-DICHLOROETHANE | 2.836 | 63 | 214500 | 11.9893 | PPBV | | 99 |
| 41) | METHYL ETHYL KETONE | 3.004 | 72 | 55669 | 11.3770 | PPBV | | 90 |
| 42) | CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113738 | 11.1703 | PPBV | | 99 |
| 43) | DIISOPROPYL ETHER | 3.332 | 59 | 61300 | 11.7325 | PPBV | | 83 |
| 44) | ETHYL ACETATE | 3.335 | 61 | 43835 | 11.4233 | PPBV | | 79 |
| 45) | METHYL ACRYLATE | 3.322 | 55 | 251911 | 11.4538 | PPBV | # | 26 |
| 46) | CHLOROFORM | 3.348 | 83 | 225298 | 10.9406 | PPBV | | 98 |
| 47) | 2,4-DIMETHYLPENTANE | 3.840 | 57 | 243275 | 11.3261 | PPBV | | 99 |
| 48) | 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 216349 | 11.5412 | PPBV | | 97 |
| 49) | CARBON TETRACHLORIDE | 4.341 | 117 | 212833 | 11.5665 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 171263 | 10.9658 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 331521 | 10.9391 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 148534 | 10.7630 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78653 | 11.1293 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 150189 | 10.0361 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 144095 | 10.8239 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.852 | 174 | 128872 | 10.2626 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 309191 | 10.8188 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 242598 | 10.5639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 665824 | 10.5275 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.158 | 88 | 85002 | 10.3785 | PPBV | # | 94 |
| 62) | HEPTANE | 5.537 | 43 | 220071 | 9.9119 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 130022 | 10.8781 | PPBV | | 95 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 133602 | 9.7749 | PPBV | | 91 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200690 | 11.7631 | PPBV | | 91 |
| 66) | TOLUENE | 7.267 | 91 | 403801 | 9.7131 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 210098 | 10.2864 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 167872 | 11.9950 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122856 | 10.8091 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 187489 | 8.9880 | PPBV | | 90 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 216864 | 10.9714 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 161382 | 10.8644 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 232120 | 10.6607 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 224390 | 11.2066 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 305034 | 9.1333 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173624 | 12.3163 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 339775 | 10.6787 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 539755 | 10.3488 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.505 | 91 | 828409 | 20.1079 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 426899 | 10.3210 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 326726 | 10.9176 | PPBV | | 98 |
| 83) | NONANE | 13.560 | 43 | 327214 | 10.0030 | PPBV | | 93 |
| 84) | BROMOFORM | 11.318 | 173 | 203920 | 11.4006 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 330684 | 11.3505 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 247809 | 10.5329 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 167761 | 10.7080 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 300920 | 10.1529 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 150937 | 10.5091 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 175229 | 10.8621 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 625538 | 10.9521 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 507213 | 10.5543 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 260983 | 10.2203 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 127325 | 11.0757 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 535071 | 10.6544 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 309390 | 21.1707 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 354409 | 10.5745 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 362979 | 10.9194 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 338699 | 10.5525 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 162561 | 11.2355 | PPBV | | 91 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 516830 | 10.1649 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 176643 | 10.9411 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 178412 | 11.1329 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 196316 | 12.6226 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 276712 | 11.4746 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 348894 | 10.8589 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.392 | 128 | 804321 | 9.5818 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 591308 | 9.2601 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

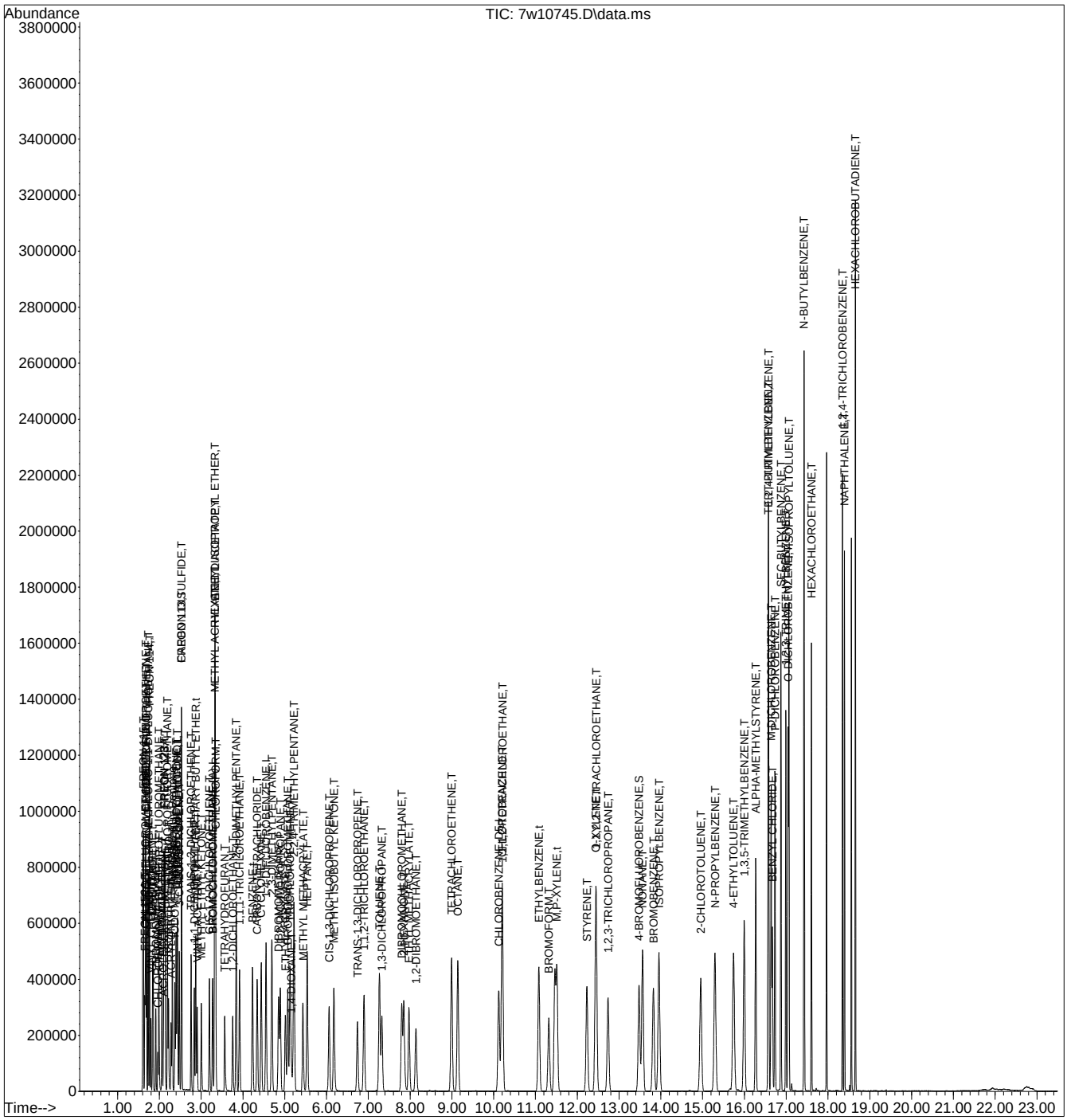
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



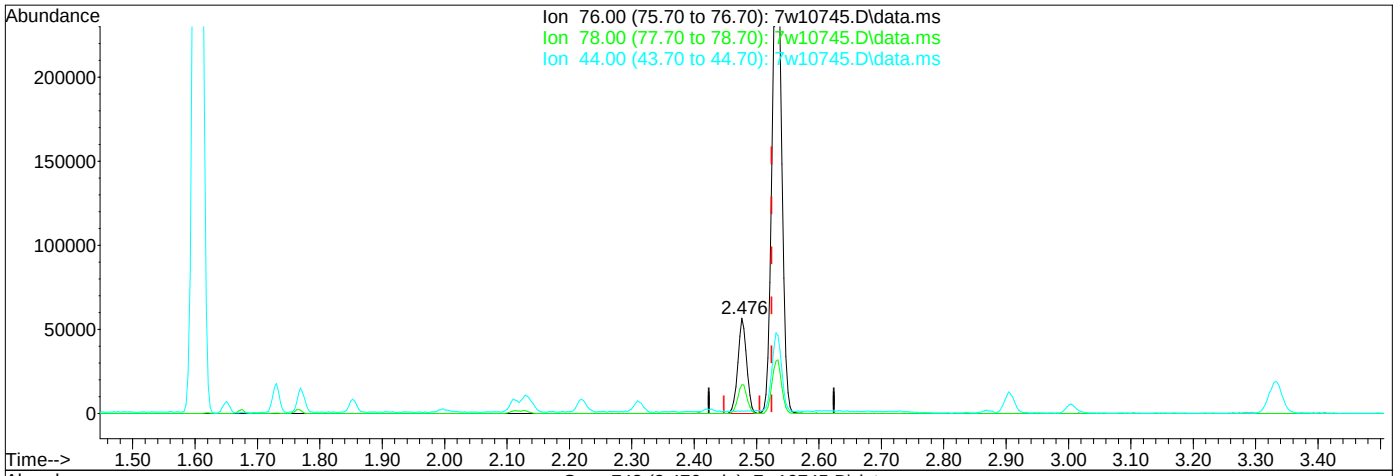
**Sample Number:** V7W392-BSD
**Lab FileID:** 7W10745.D
**Injection Time:** 11/25/24 10:26
**Method:** TO-15
**Analyst approved:** 11/25/24 16:53 Geralyn Gomez
**Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

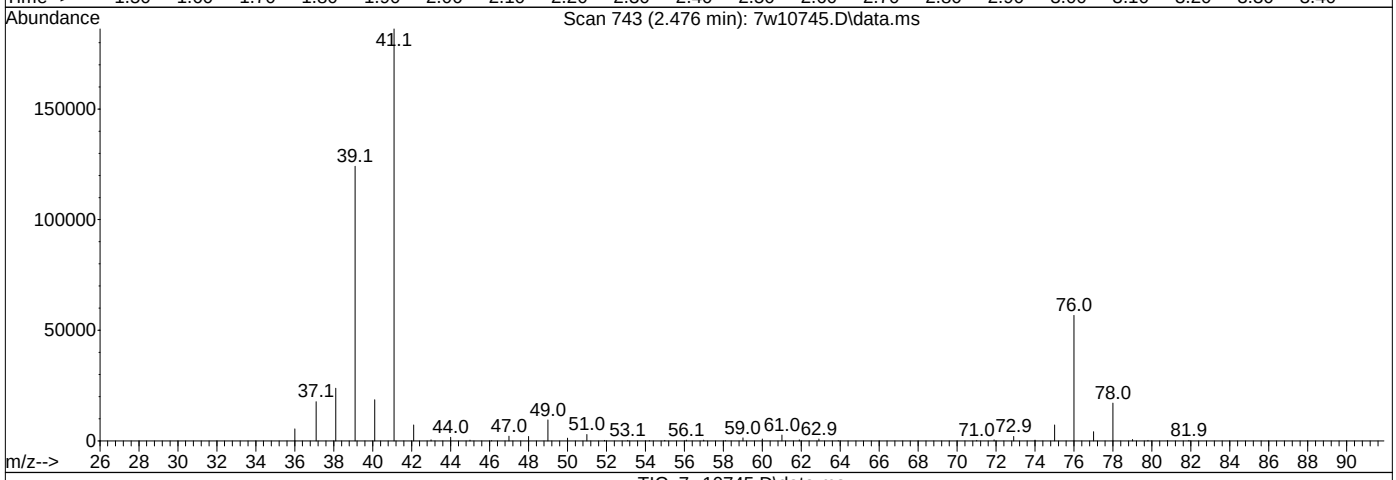
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

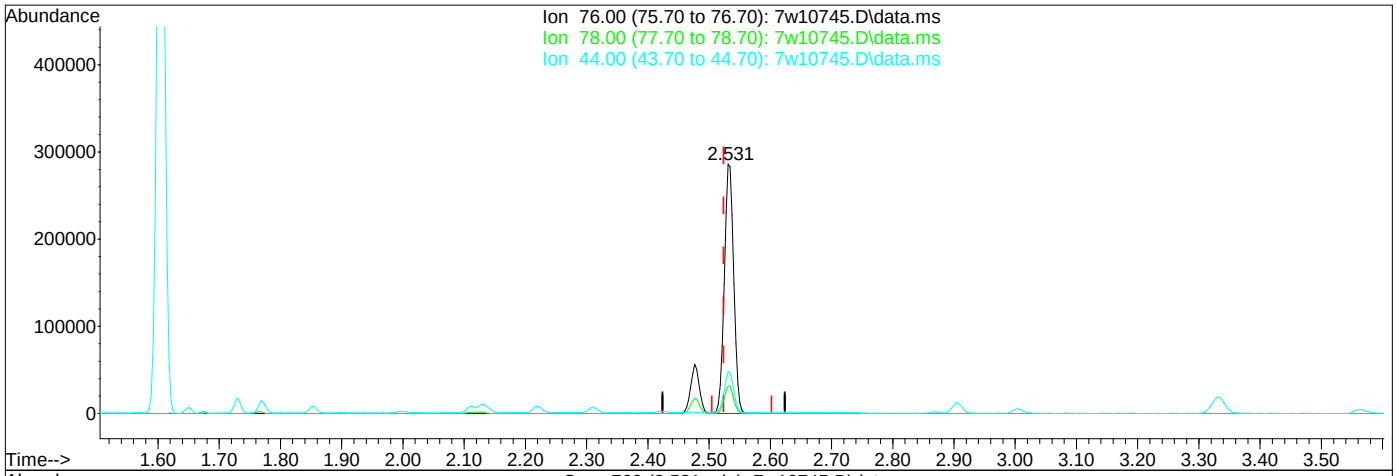
response 55690

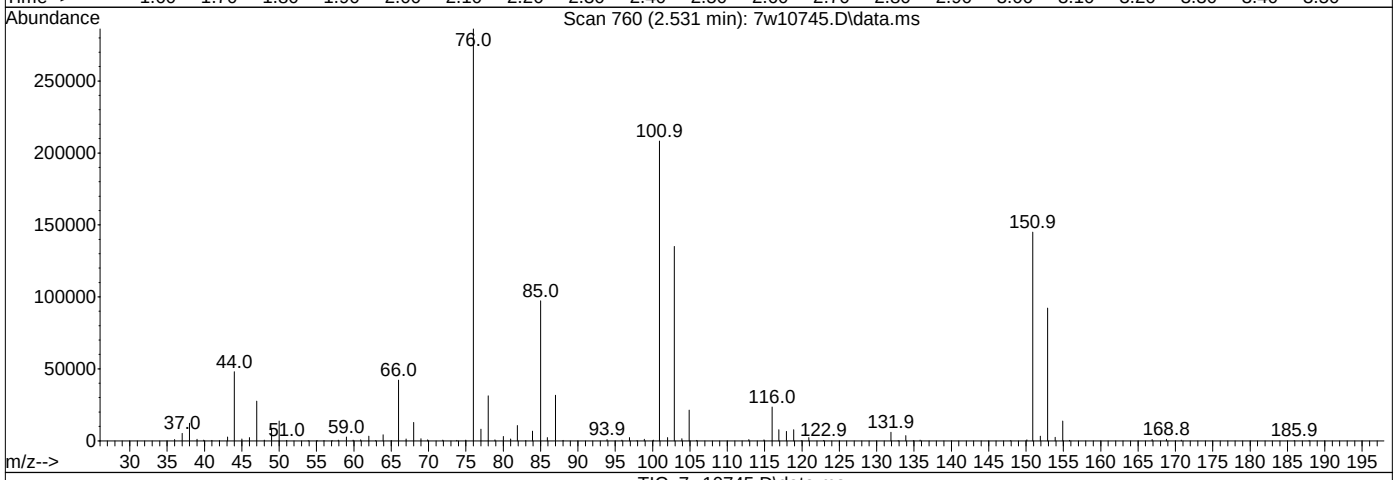
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.24# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.88# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/18/24 22:00

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:16:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

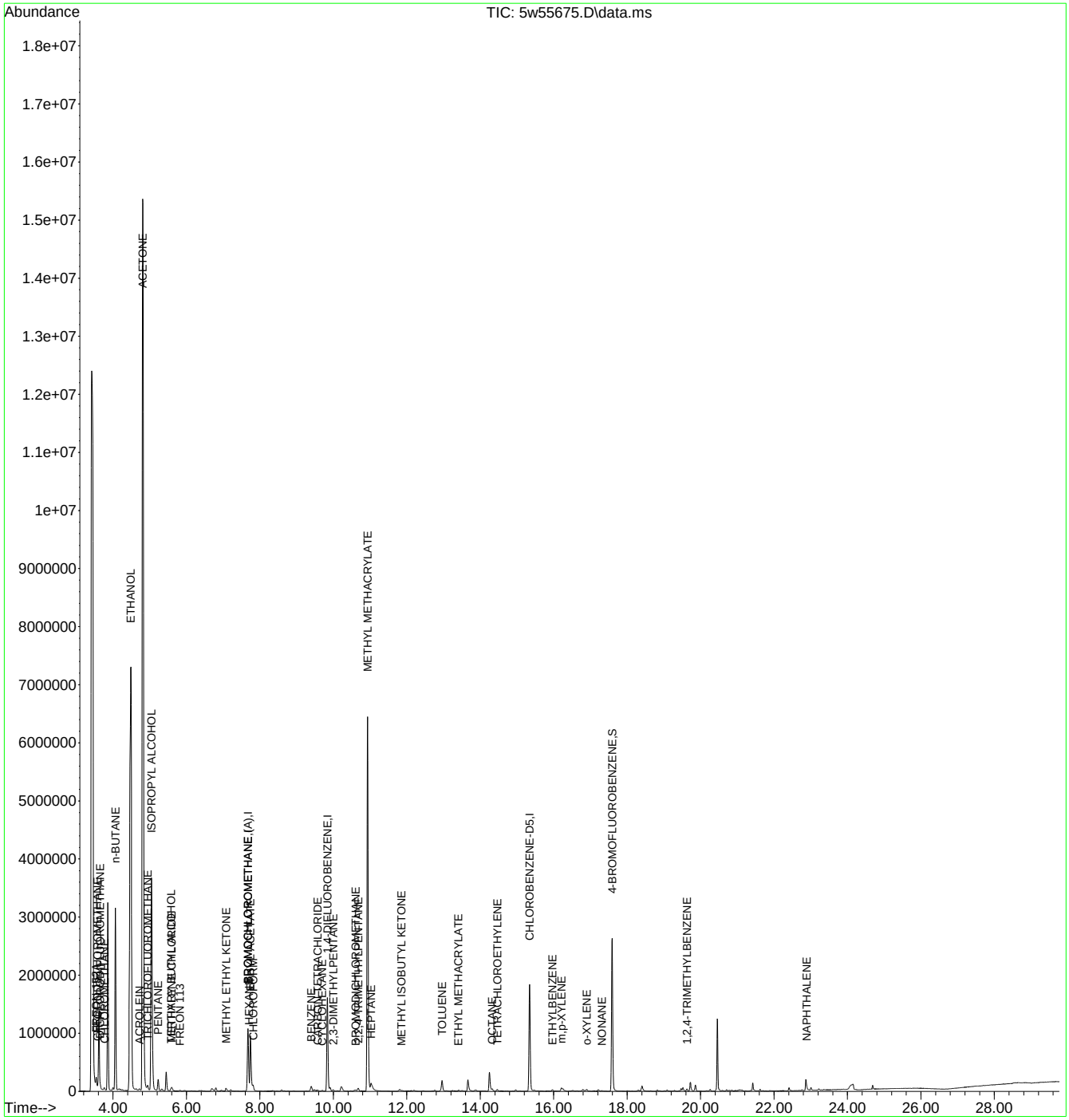
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 279421 | 10.00 | PPBV | # | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1362931 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 788847 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 279421 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1009613 | 11.44 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 114.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 65009 | 3.1446 | PPBV | | 89 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 5076 | 0.4735 | PPBV | | 81 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 64595 | 0.6326 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 7465 | 0.5669 | PPBV | | 94 |
| 13) n-BUTANE | 4.066 | 43 | 2631630 | 44.0851 | PPBV | | 99 |
| 18) ACROLEIN | 4.720 | 56 | 25813 | 1.7144 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 56210 | 0.5957 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.044 | 45 | 5759933 | 96.3376 | PPBV | | 98 |
| 23) ACETONE | 4.806 | 58 | 8118718 | 360.2495 | PPBV | # | 74 |
| 24) PENTANE | 5.228 | 42 | 80836 | 2.7216 | PPBV | | 95 |
| 28) ETHANOL | 4.482 | 45 | 13273914 | 605.7678 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 15389 | 0.5251 | PPBV | | 92 |
| 33) FREON 113 | 5.821 | 151 | 4731 | 0.0973 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.583 | 59 | 54420 | 0.9676 | PPBV | | 64 |
| 38) HEXANE | 7.699 | 57 | 30028 | 0.6859 | PPBV | # | 80 |
| 41) METHYL ETHYL KETONE | 7.075 | 72 | 20415 | 1.6843 | PPBV | | 98 |
| 44) ETHYL ACETATE | 7.742 | 61 | 184053 | 20.5852 | PPBV | # | 76 |
| 46) CHLOROFORM | 7.816 | 83 | 70420 | 0.9817 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 10835 | 0.1408 | PPBV | | 97 |
| 52) BENZENE | 9.400 | 78 | 85692 | 0.8674 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.694 | 84 | 5987 | 0.1613 | PPBV | | 86 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 4679 | 0.2335 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.611 | 83 | 10926 | 0.1201 | PPBV | | 80 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 44281 | 0.2952 | PPBV | | 79 |
| 62) HEPTANE | 11.027 | 43 | 49516m | 0.9450 | PPBV | | |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 2834456 | 86.3069 | PPBV | | 96 |
| 64) METHYL ISOBUTYL KETONE | 11.853 | 58 | 3483 | 0.1248 | PPBV | # | 18 |
| 66) TOLUENE | 12.961 | 92 | 93571 | 1.3542 | PPBV | | 99 |
| 72) ETHYL METHACRYLATE | 13.407 | 69 | 12875 | 0.2363 | PPBV | # | 76 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 7476 | 0.1451 | PPBV | | 87 |
| 76) OCTANE | 14.325 | 43 | 33914m | 0.4895 | PPBV | | |
| 79) ETHYLBENZENE | 15.964 | 91 | 27039 | 0.1859 | PPBV | | 91 |
| 80) m,p-XYLENE | 16.209 | 106 | 24461 | 0.4433 | PPBV | | 93 |
| 81) o-XYLENE | 16.900 | 106 | 9721 | 0.1815 | PPBV | # | 77 |
| 83) NONANE | 17.310 | 43 | 7031 | 0.0972 | PPBV | # | 82 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 20216 | 0.1474 | PPBV | # | 39 |
| 108) NAPHTHALENE | 22.890 | 128 | 22317 | 0.1164 | PPBV | | 98 |

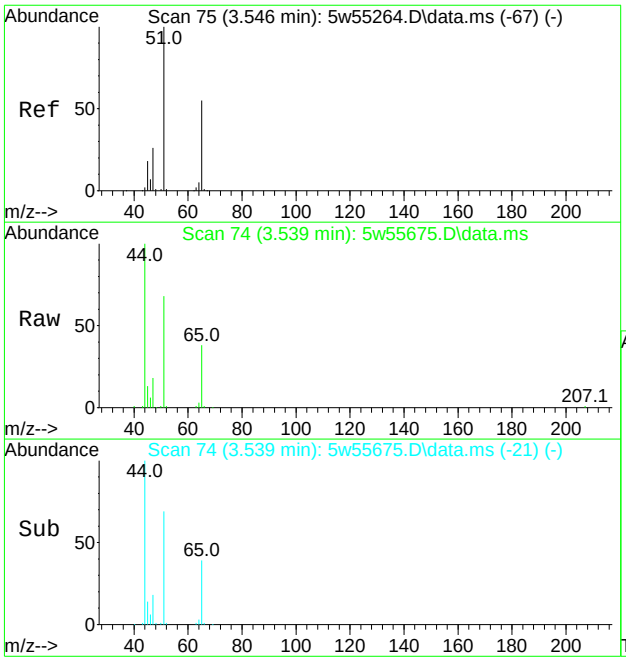
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4dup Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:16:23 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

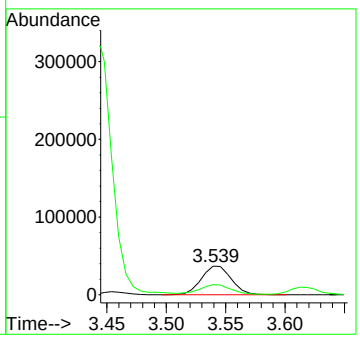


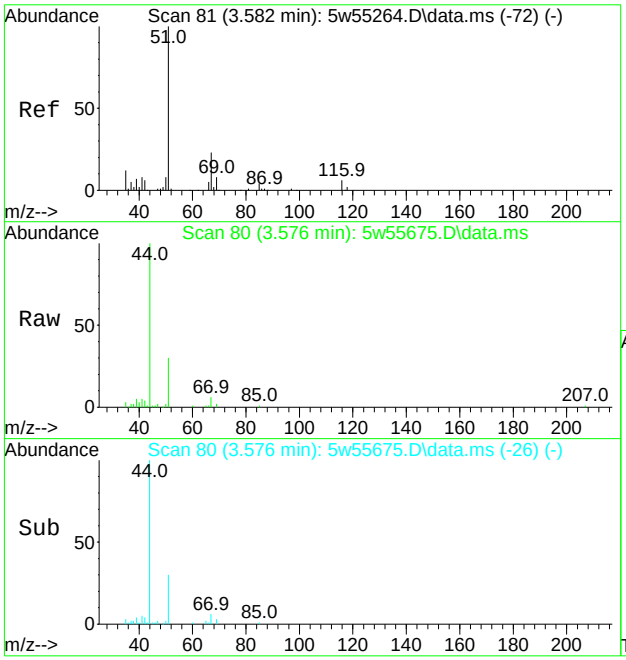



#3
FREON 152A
Concen: 3.1446 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 65 Resp: 65009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 37.9 | 1.8 | 61.8 |

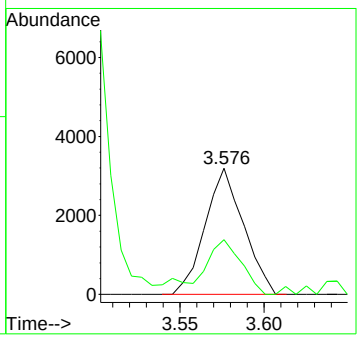


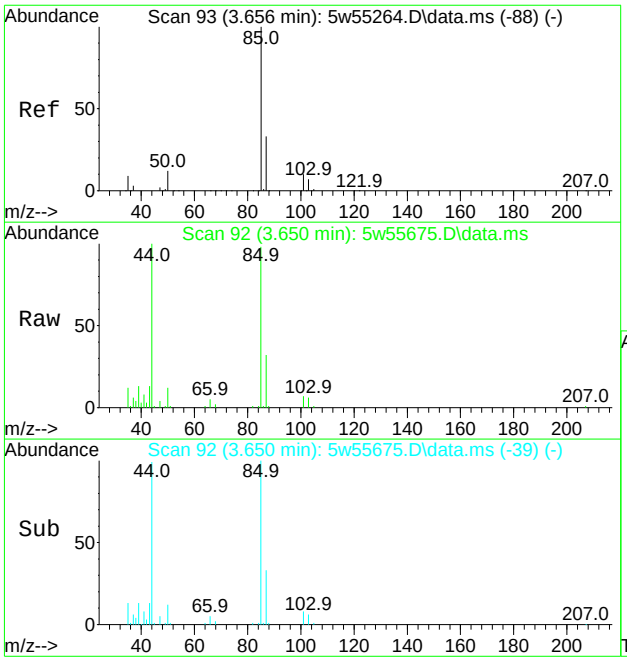




#4
CHLORODIFLUOROMETHANE
Concen: 0.4735 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 67 Resp: 5076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 43.4 | 2.9 | 62.9 |

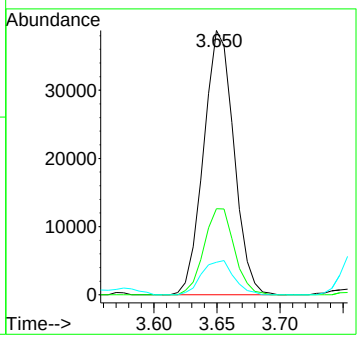


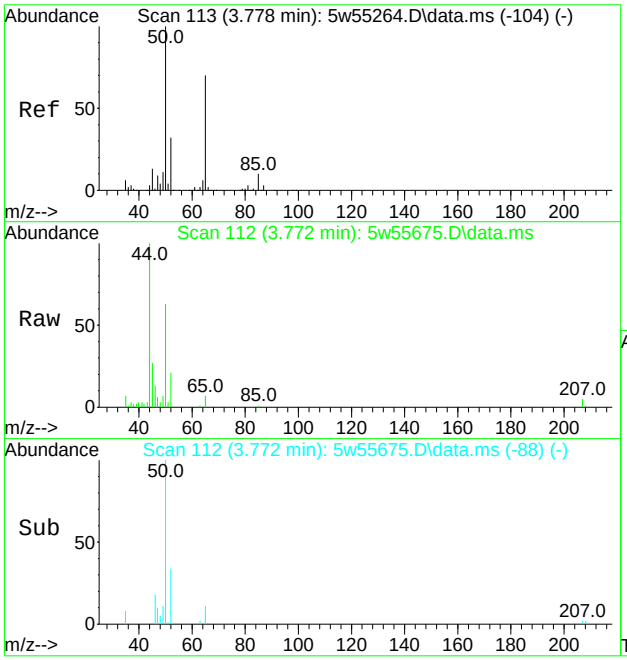



#6
DICHLORODIFLUOROMETHANE
Concen: 0.6326 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 85 Resp: 64595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 2.6 | 62.6 |
| 50 | 13.7 | 0.0 | 43.0 |

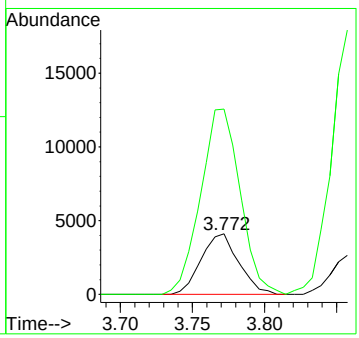


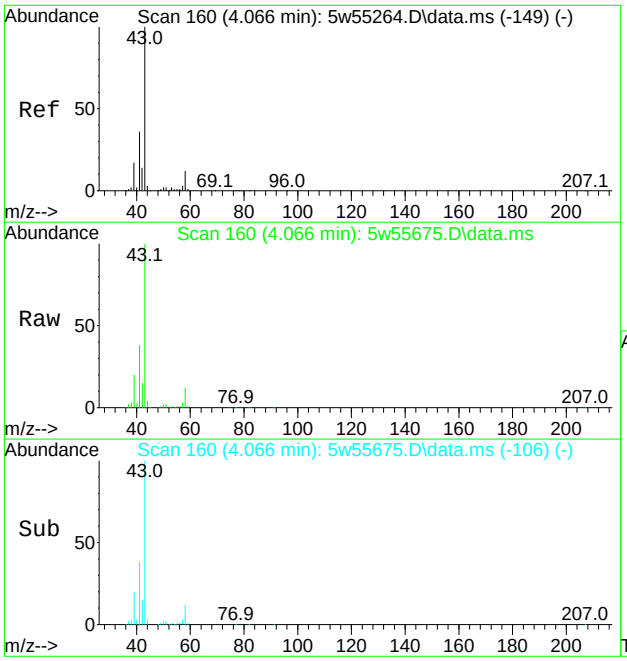




#10
CHLOROMETHANE
Concen: 0.5669 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 52 Resp: 7465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 305.5 | 287.9 | 347.9 |

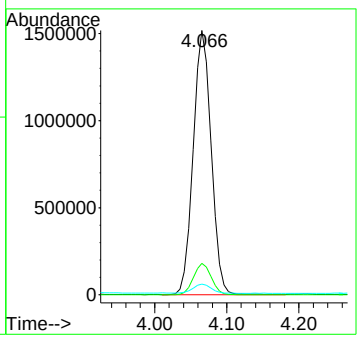


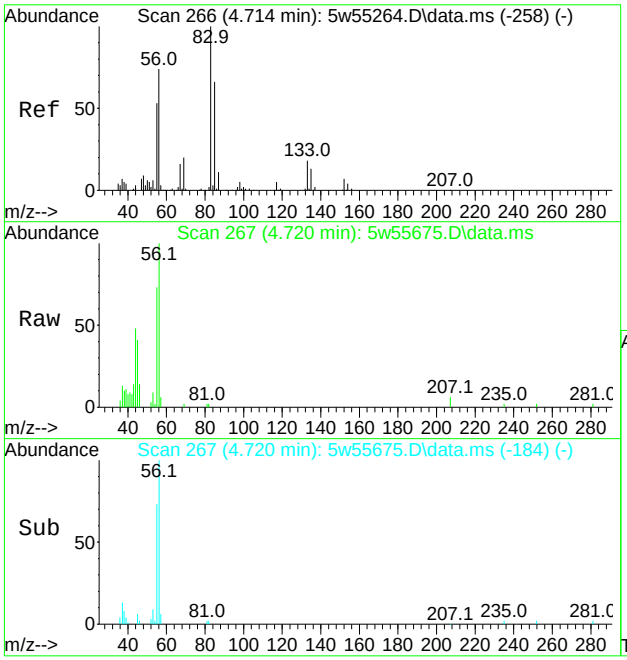



#13
n-BUTANE
Concen: 44.0851 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 2631630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.8 | 0.0 | 41.6 |
| 44 | 3.6 | 0.0 | 34.7 |

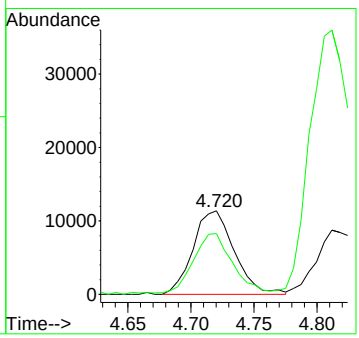


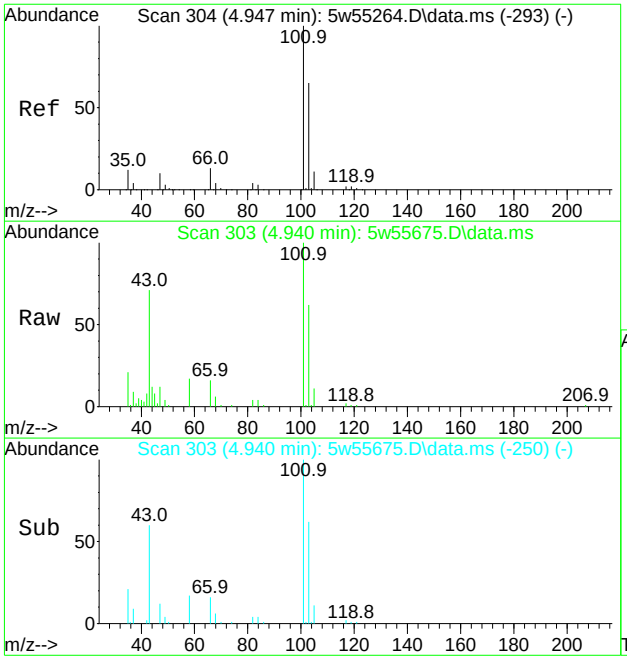




#18
ACROLEIN
Concen: 1.7144 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 56 Resp: 25813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 49.8 | 92.6 |

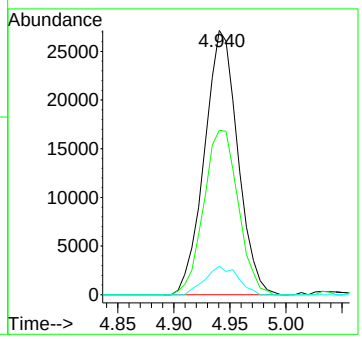


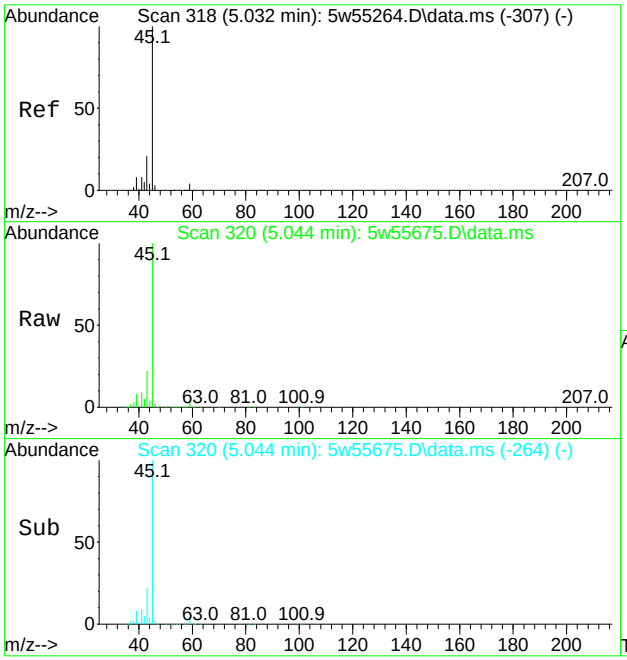



#21
TRICHLOROFLUOROMETHANE
Concen: 0.5957 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:101 Resp: 56210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 34.7 | 94.7 |
| 105 | 10.7 | 0.0 | 40.5 |

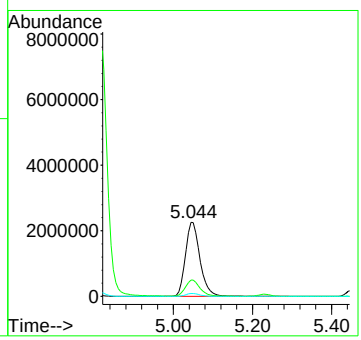


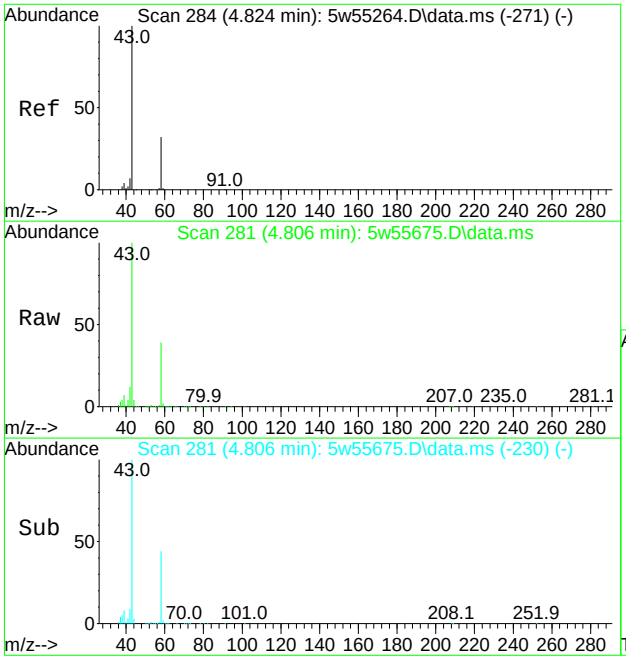




#22
ISOPROPYL ALCOHOL
Concen: 96.3376 PPBV
RT: 5.044 min Scan# 320
Delta R.T. 0.012 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 45 Resp: 5759933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.0 | 0.0 | 50.8 |
| 59 | 3.9 | 0.0 | 33.8 |

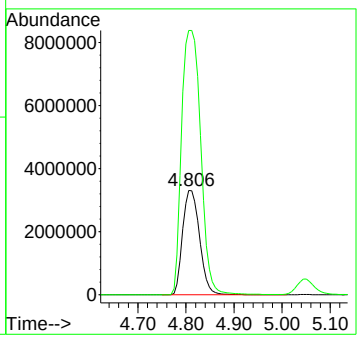


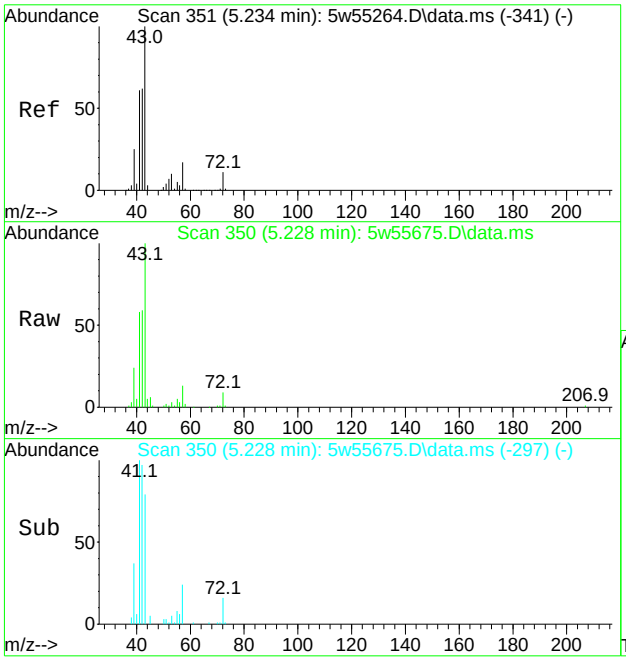



#23
ACETONE
Concen: 360.2495 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.019 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 58 Resp: 8118718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 286.1 | 312.3 | 372.3# |

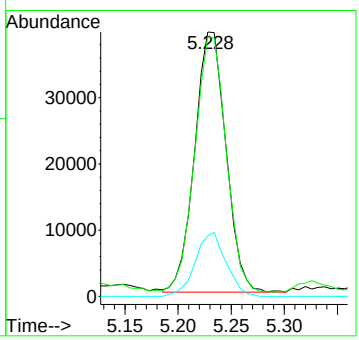


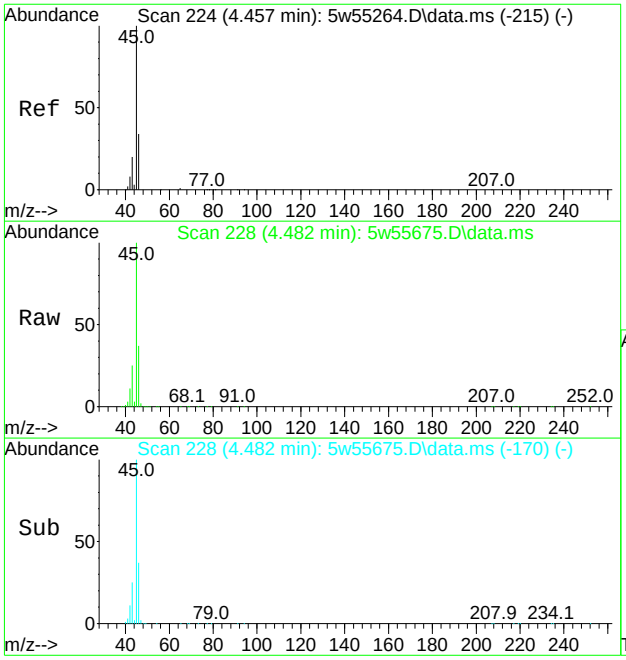




#24
PENTANE
Concen: 2.7216 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 42 Resp: 80836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 100.0 | 64.4 | 124.4 |
| 57 | 24.0 | 0.0 | 55.0 |

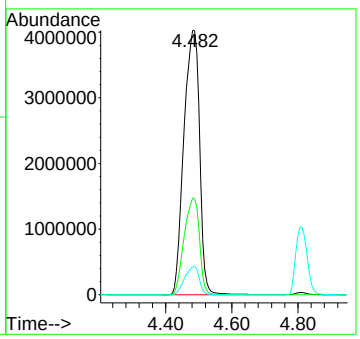


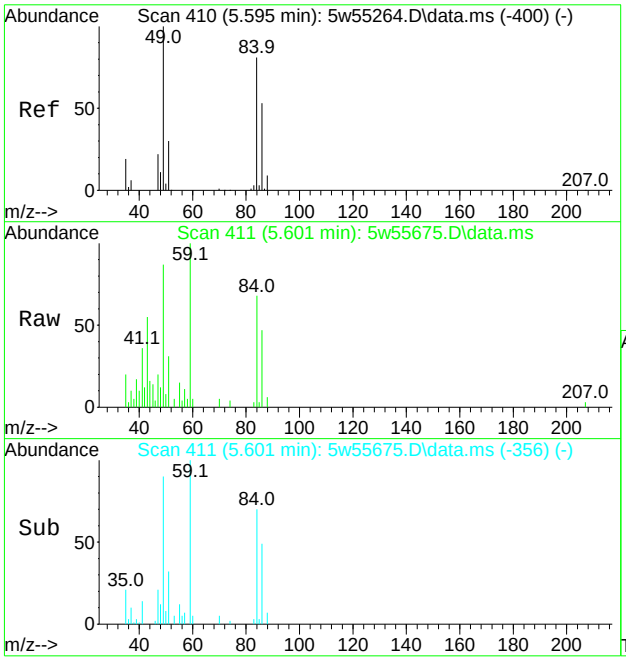



#28
ETHANOL
Concen: 605.7678 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 45 Resp:13273914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.8 | 4.5 | 64.5 |
| 42 | 10.0 | 0.0 | 38.6 |

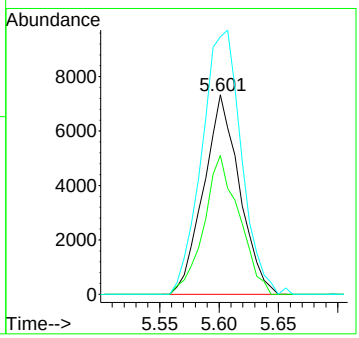


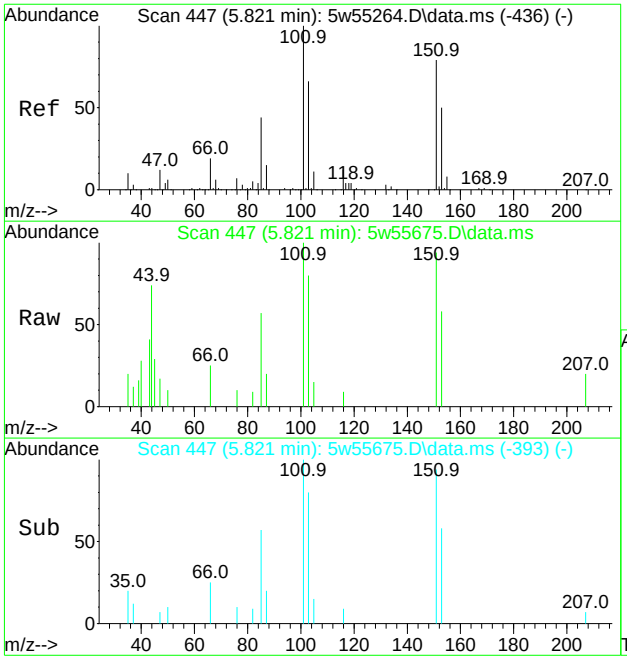




#31
METHYLENE CHLORIDE
Concen: 0.5251 PPBV
RT: 5.601 min Scan# 411
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 84 Resp: 15389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 68.3 | 34.0 | 94.0 |
| 49 | 146.3 | 105.8 | 165.8 |

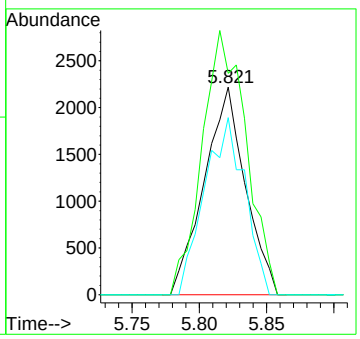


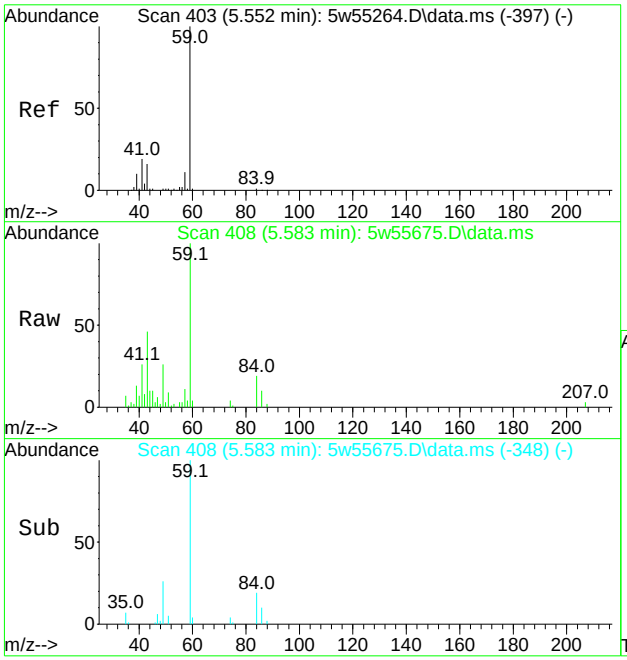



#33
FREON 113
Concen: 0.0973 PPBV
RT: 5.821 min Scan# 447
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:151 Resp: 4731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 135.8 | 112.2 | 172.2 |
| 103 | 82.9 | 62.0 | 122.0 |

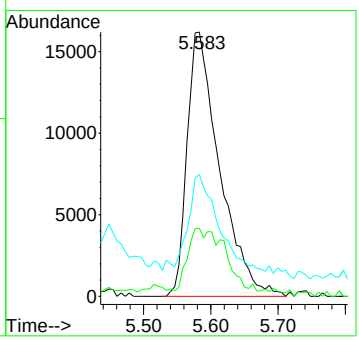


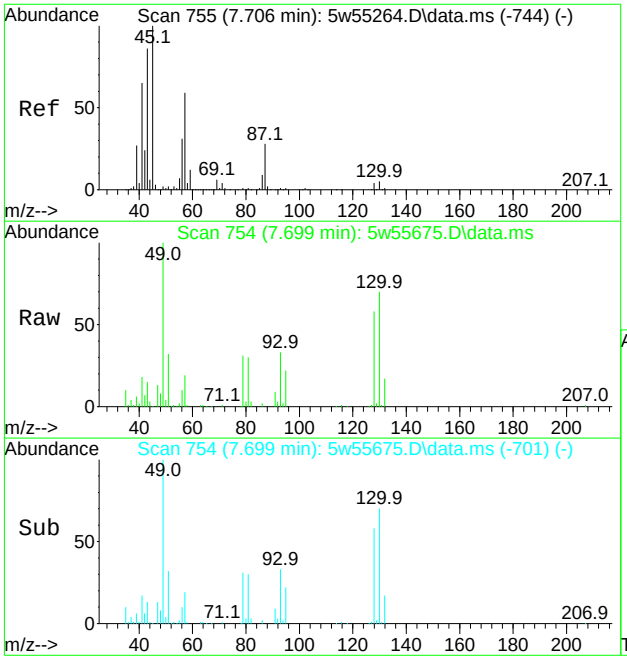




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.9676 PPBV
RT: 5.583 min Scan# 408
Delta R.T. 0.037 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 59 Resp: 54420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 33.1 | 0.0 | 53.1 |
| 43 | 41.8 | 0.0 | 47.1 |

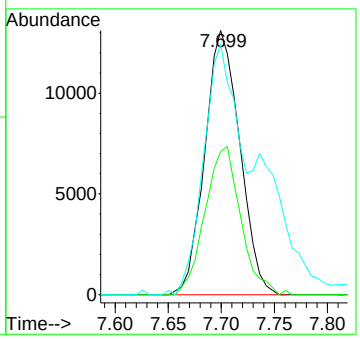


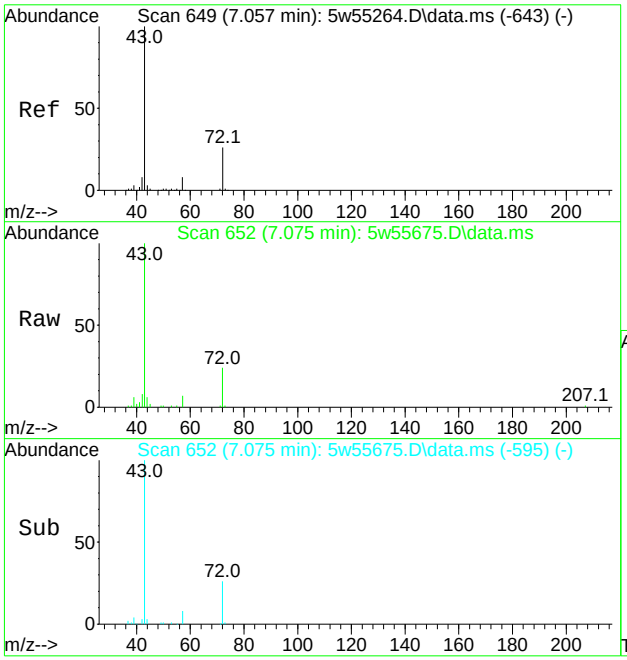



#38
HEXANE
Concen: 0.6859 PPBV
RT: 7.699 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 57 Resp: 30028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.3 | 24.2 | 84.2 |
| 41 | 152.7 | 92.1 | 152.1# |

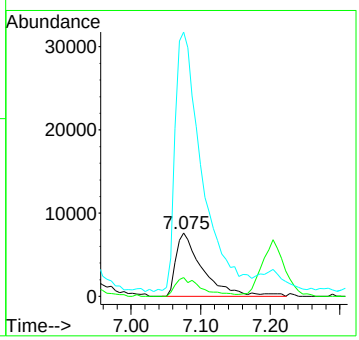



#41
METHYL ETHYL KETONE
Concen: 1.6843 PPBV
RT: 7.075 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

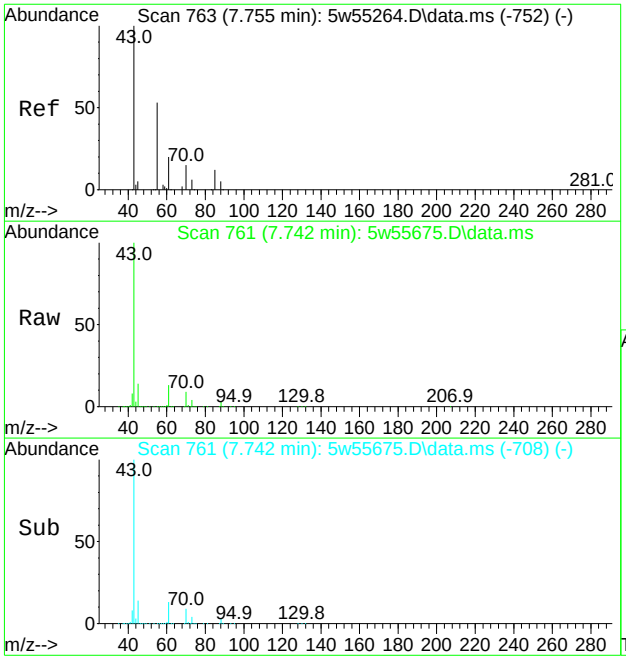
Tgt Ion: 72 Resp: 20415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 29.7 | 1.1 | 61.1 |
| 43 | 416.3 | 390.6 | 450.6 |




7.4.1

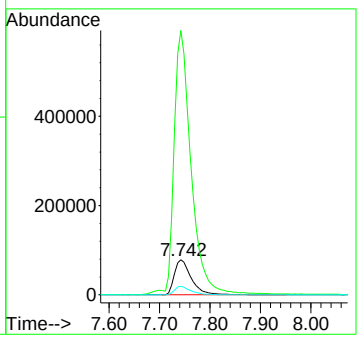
7

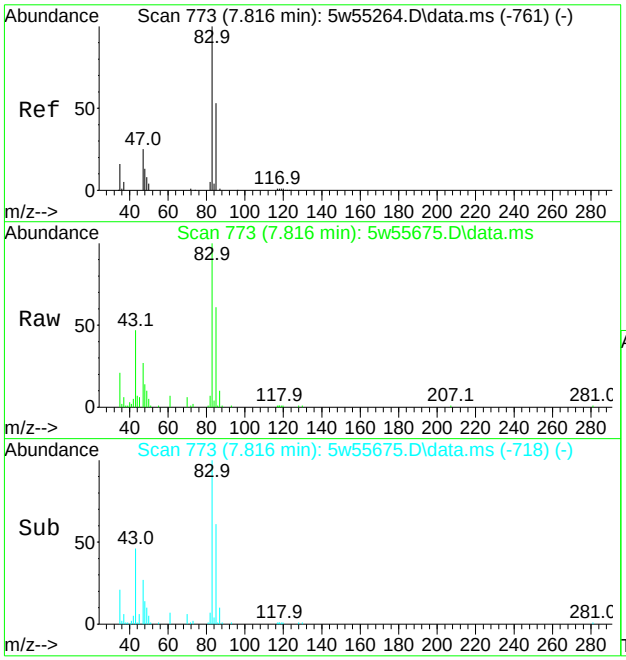



#44
ETHYL ACETATE
Concen: 20.5852 PPBV
RT: 7.742 min Scan# 761
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 61 Resp: 184053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 763.9 | 0.0 | 30.0# |
| 88 | 23.1 | 7.3 | 67.3 |

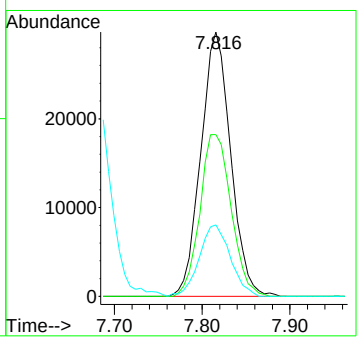


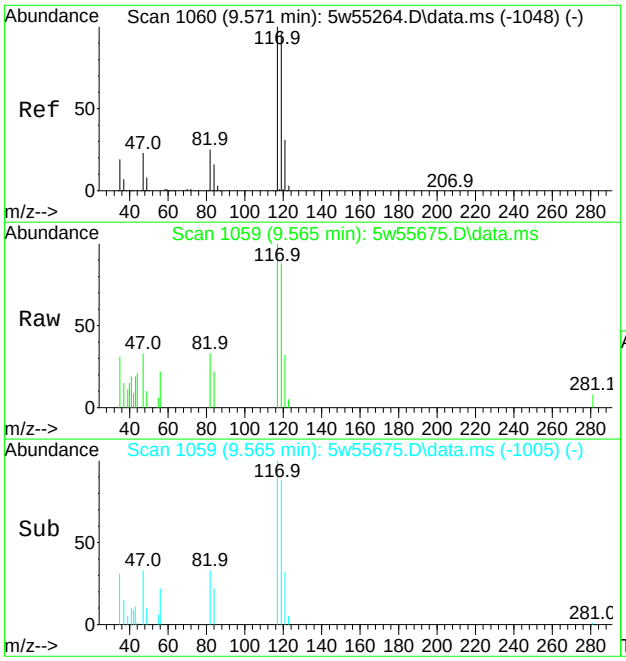




#46
CHLOROFORM
Concen: 0.9817 PPBV
RT: 7.816 min Scan# 773
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 83 Resp: 70420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 35.5 | 95.5 |
| 47 | 28.2 | 0.0 | 56.8 |

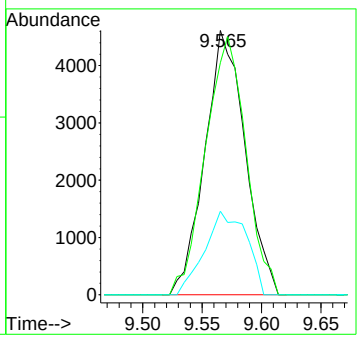


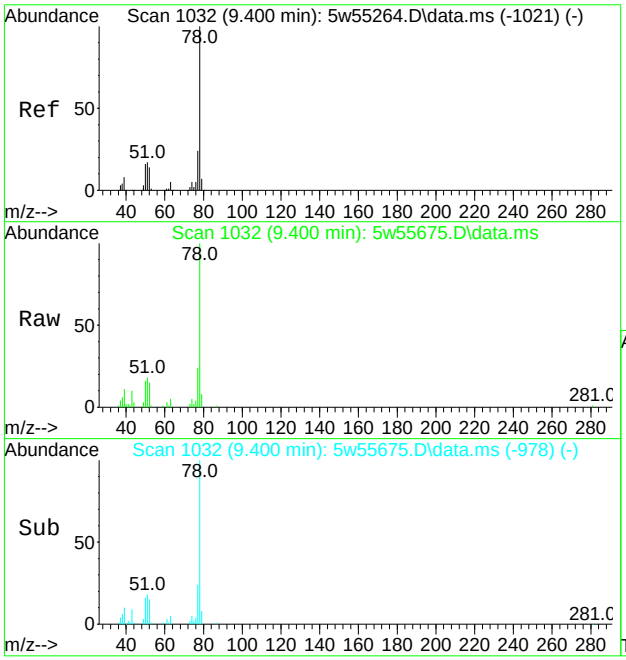



#49
CARBON TETRACHLORIDE
Concen: 0.1408 PPBV
RT: 9.565 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:117 Resp: 10835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 65.9 | 125.9 |
| 121 | 33.0 | 0.7 | 60.7 |

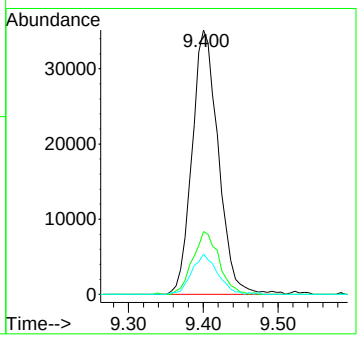


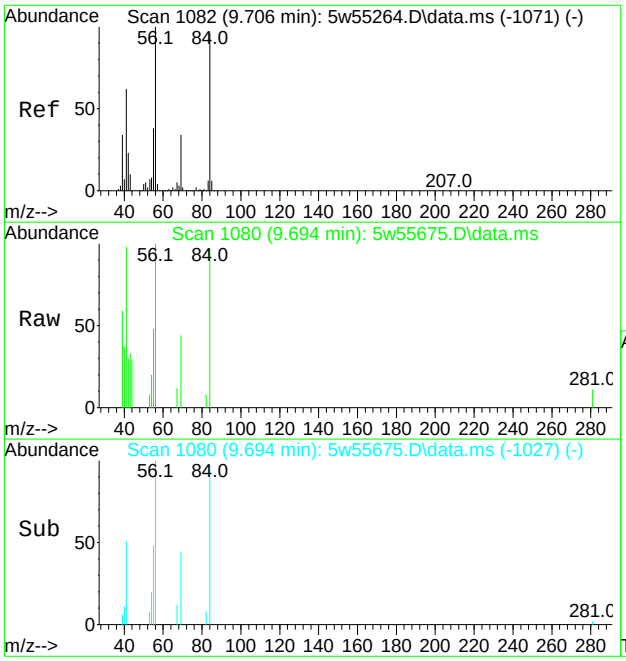




#52
BENZENE
Concen: 0.8674 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 78 Resp: 85692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 0.0 | 54.0 |
| 52 | 14.9 | 0.0 | 45.6 |

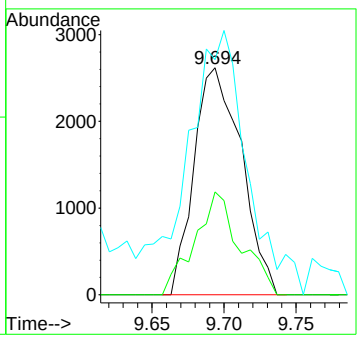


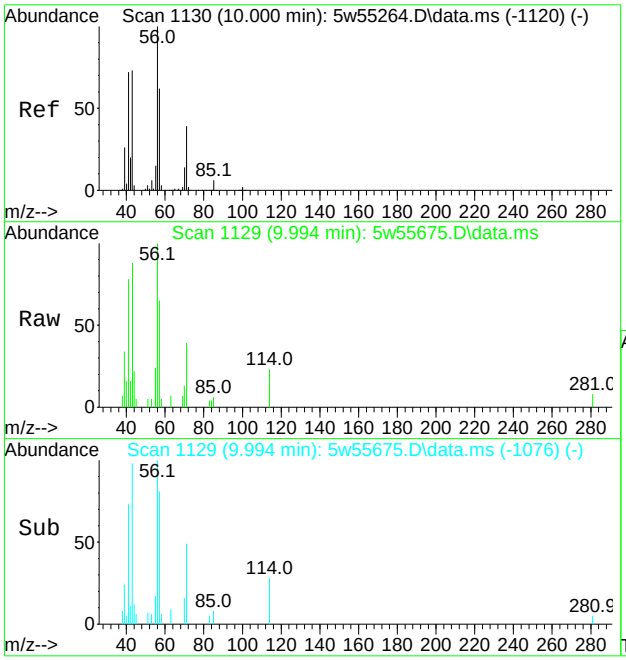



#53
CYCLOHEXANE
Concen: 0.1613 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 84 Resp: 5987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 43.6 | 7.0 | 67.0 |
| 56 | 132.6 | 86.5 | 146.5 |

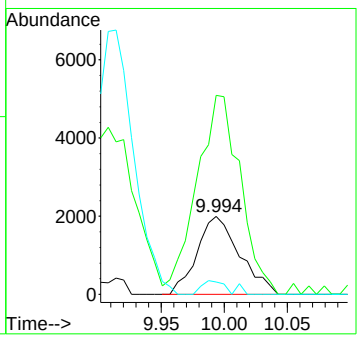


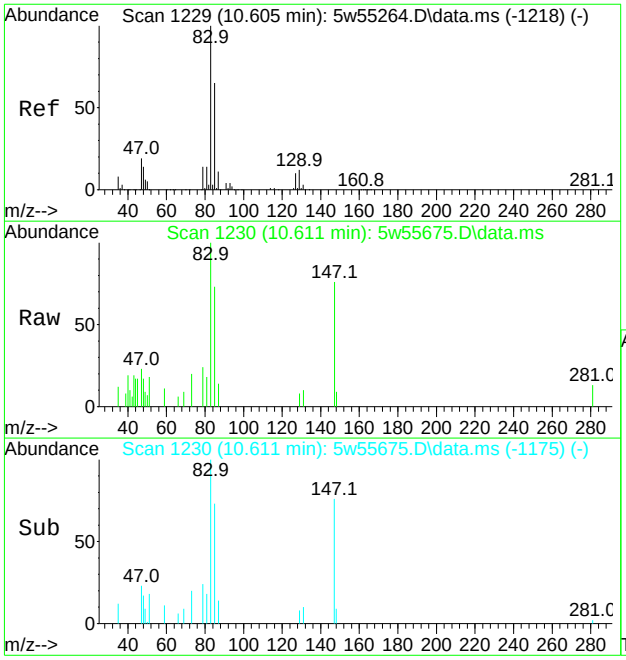




#54
2,3-DIMETHYLPENTANE
Concen: 0.2335 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 71 Resp: 4679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 260.7 | 235.4 | 295.4 |
| 85 | 11.1 | 0.0 | 45.3 |

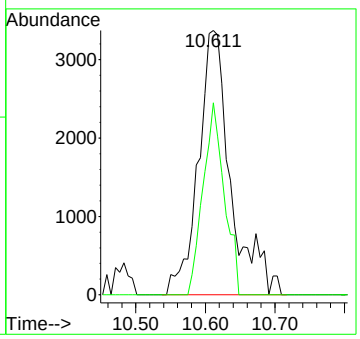


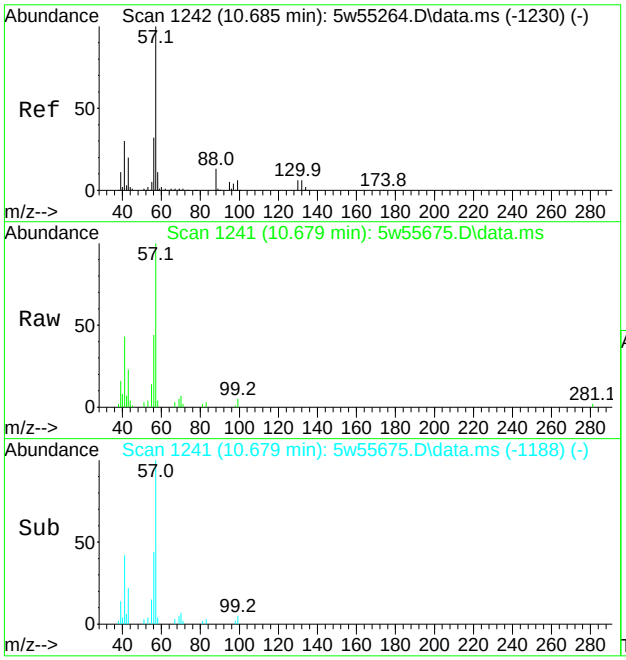



#59
BROMODICHLOROMETHANE
Concen: 0.1201 PPBV
RT: 10.611 min Scan# 1230
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 83 Resp: 10926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.4 | 33.2 | 93.2 |

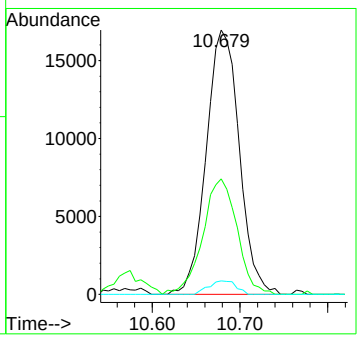


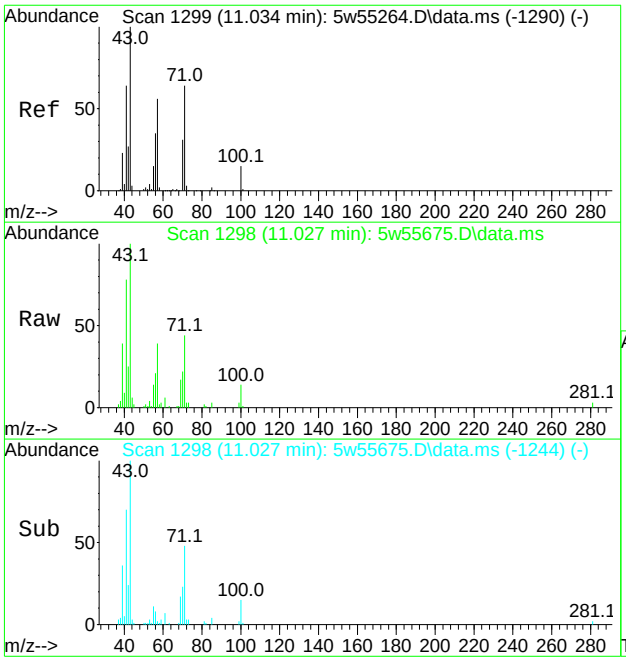




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2952 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 57 Resp: 44281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 45.4 | 2.2 | 62.2 |
| 99 | 4.3 | 0.0 | 37.6 |

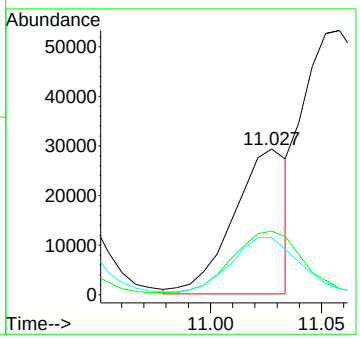


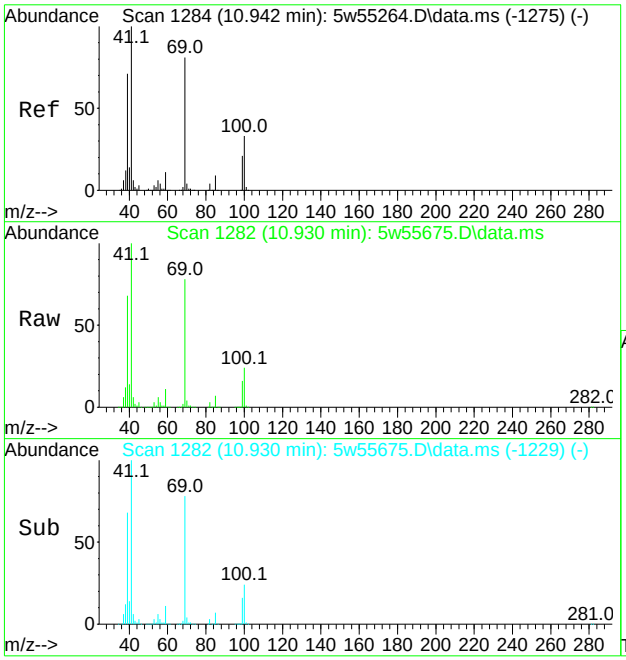



#62
HEPTANE
Concen: 0.9450 PPBV m
RT: 11.027 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 49516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 47.9 | 27.2 | 87.2 |
| 57 | 83.7 | 22.5 | 82.5# |

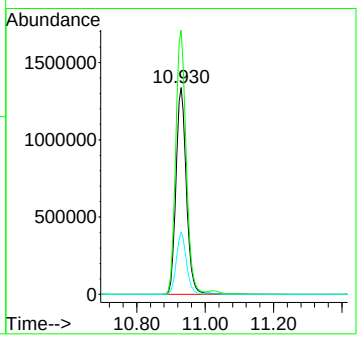


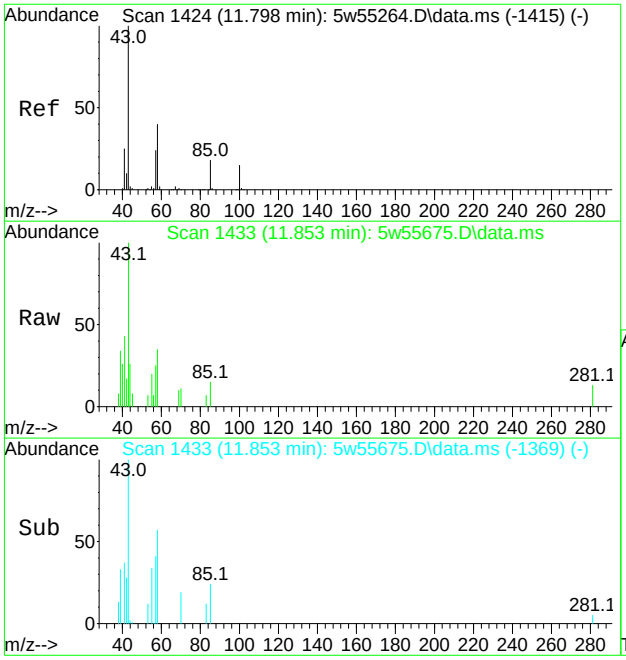




#63
METHYL METHACRYLATE
Concen: 86.3069 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 69 Resp: 2834456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 131.8 | 97.3 | 157.3 |
| 100 | 29.8 | 3.0 | 63.0 |

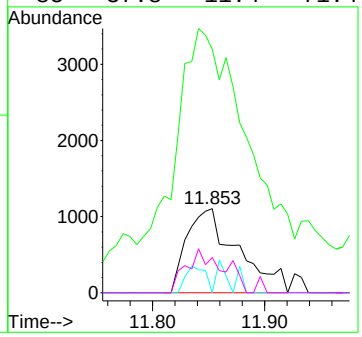


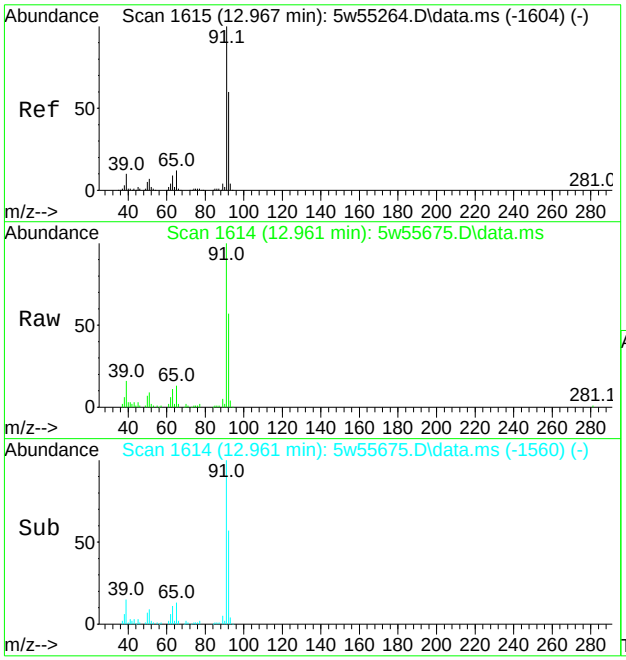



#64
METHYL ISOBUTYL KETONE
Concen: 0.1248 PPBV
RT: 11.853 min Scan# 1433
Delta R.T. 0.061 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 58 Resp: 3483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 446.3 | 236.1 | 296.1# |
| 100 | 12.2 | 0.7 | 60.7 |
| 85 | 37.8 | 11.4 | 71.4 |

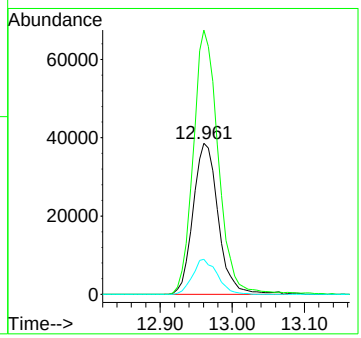


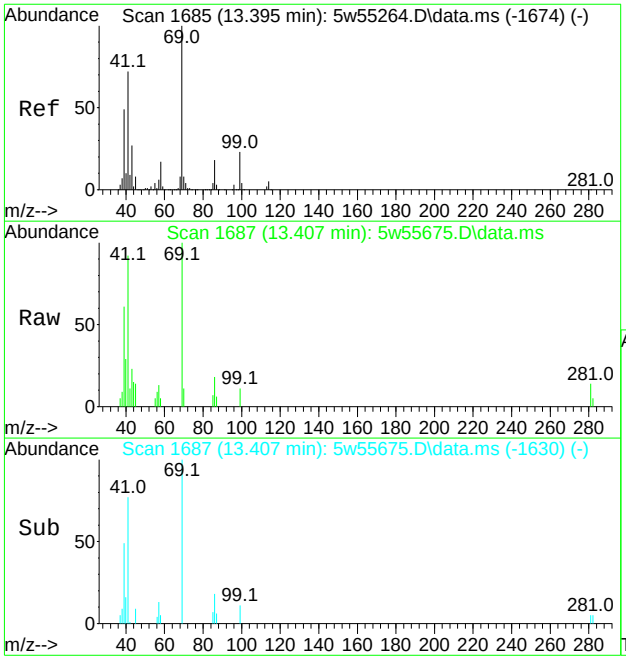




#66
TOLUENE
Concen: 1.3542 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 92 Resp: 93571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 143.4 | 203.4 |
| 65 | 22.9 | 0.0 | 53.8 |

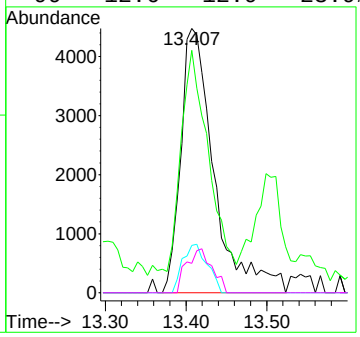


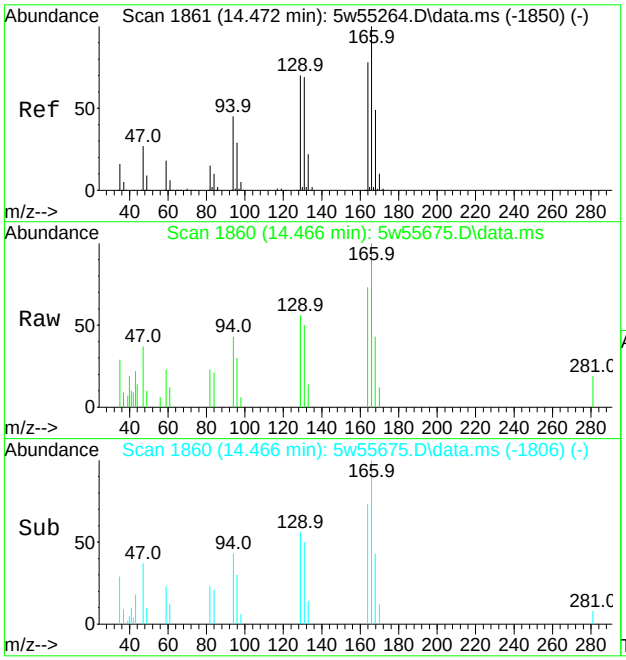



#72
ETHYL METHACRYLATE
Concen: 0.2363 PPBV
RT: 13.407 min Scan# 1687
Delta R.T. 0.018 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 69 Resp: 12875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.3 | 67.8 | 125.8 |
| 86 | 13.6 | 11.3 | 20.9 |
| 99 | 12.6 | 12.9 | 23.9# |

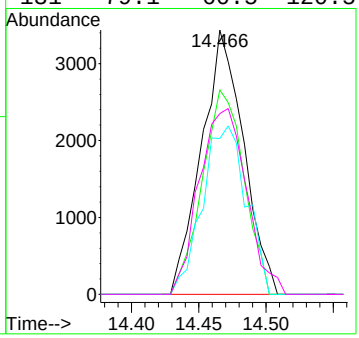


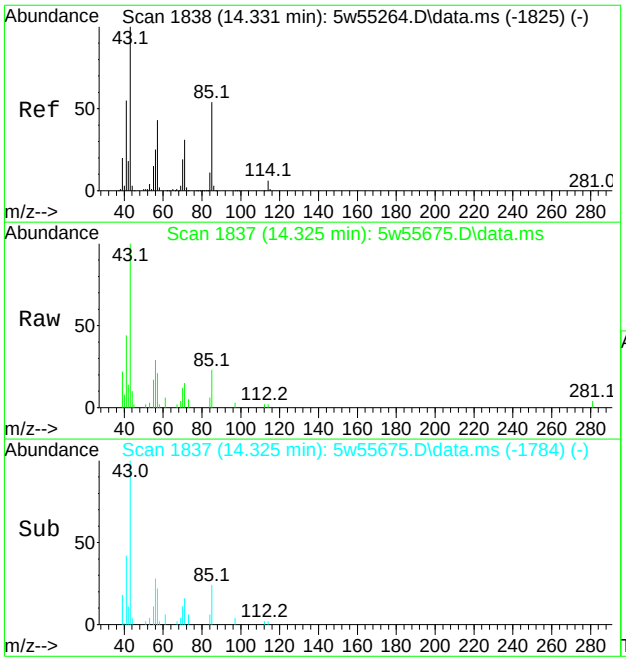




#73
TETRACHLOROETHYLENE
Concen: 0.1451 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:164 Resp: 7476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 76.7 | 64.4 | 124.4 |
| 168 | 66.9 | 31.2 | 91.2 |
| 131 | 79.1 | 60.5 | 120.5 |

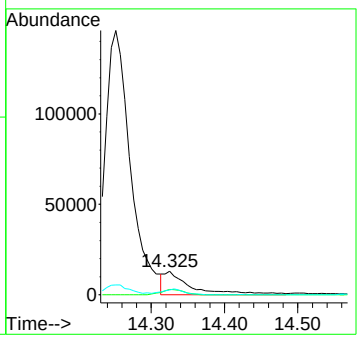


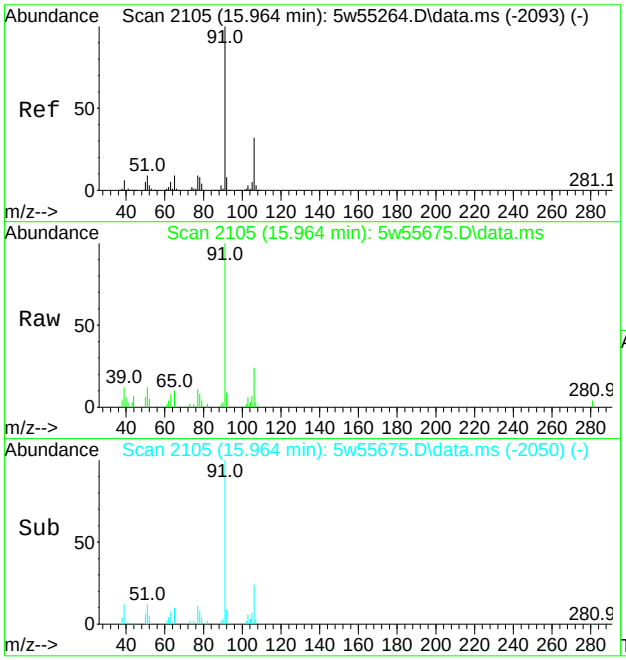



#76
OCTANE
Concen: 0.4895 PPBV m
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 33914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 0.0 | 13.7 | 73.7# |
| 57 | 39.5 | 9.9 | 69.9 |

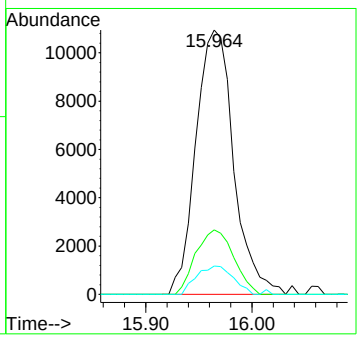


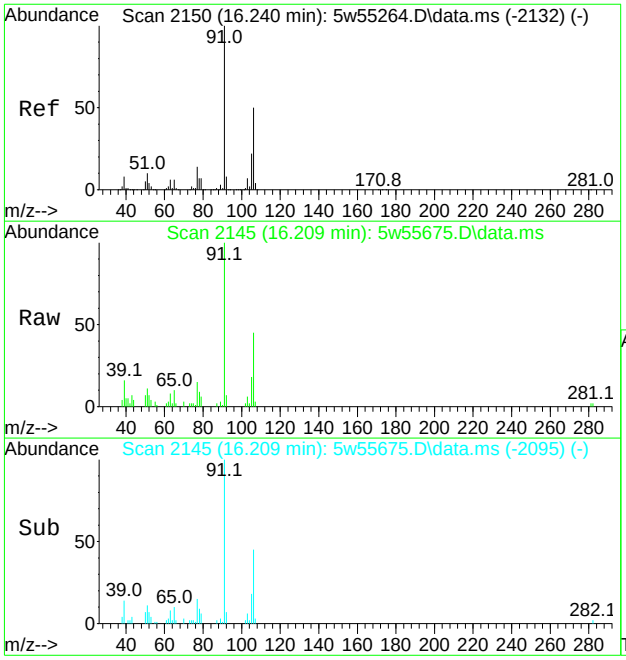




#79
ETHYLBENZENE
Concen: 0.1859 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 91 Resp: 27039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.5 | 0.0 | 59.9 |
| 77 | 10.4 | 0.0 | 39.1 |

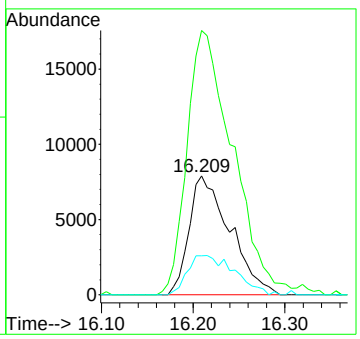


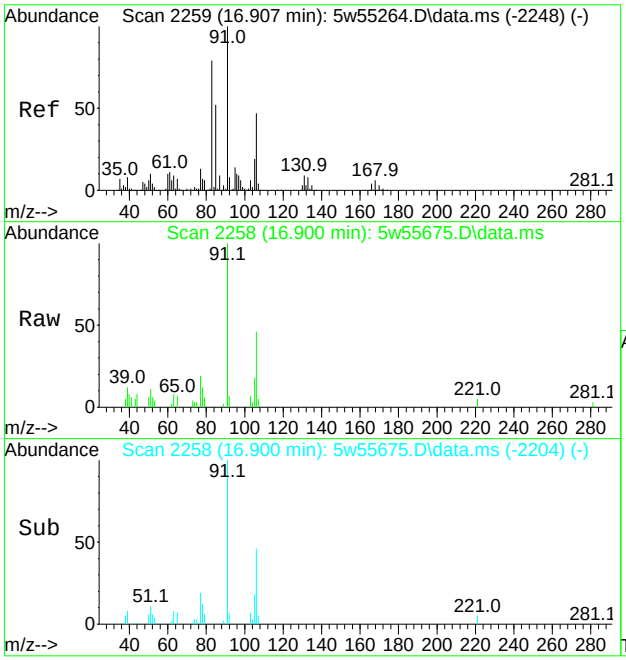



#80
m,p-XYLENE
Concen: 0.4433 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:106 Resp: 24461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.5 | 181.2 | 241.2 |
| 77 | 32.8 | 0.1 | 60.1 |

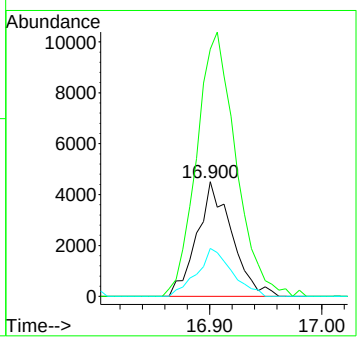


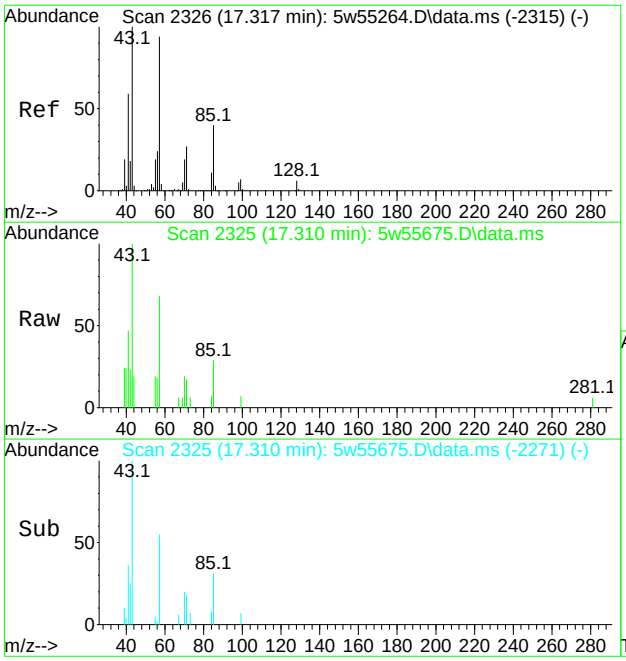




#81
o-XYLENE
Concen: 0.1815 PPBV
RT: 16.900 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:106 Resp: 9721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 260.8 | 193.4 | 253.4# |
| 77 | 41.8 | 0.0 | 59.8 |

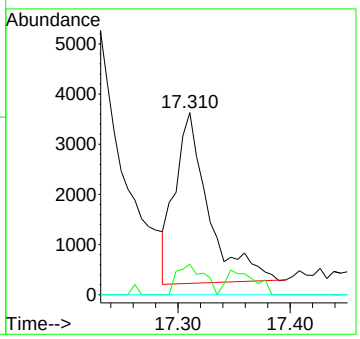


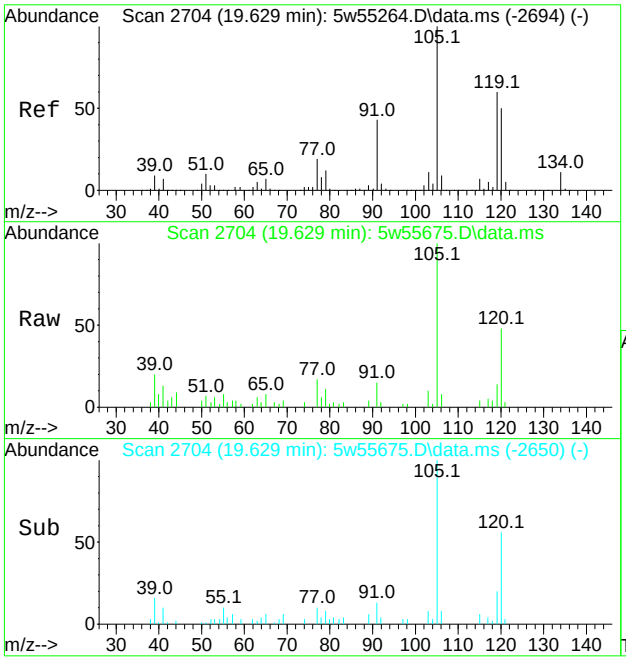



#83
NONANE
Concen: 0.0972 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion: 43 Resp: 7031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 14.4 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

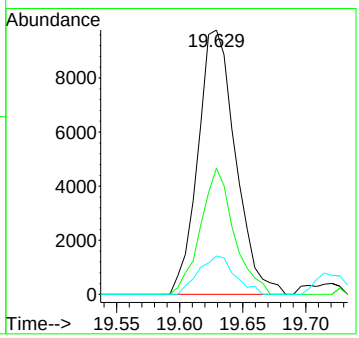


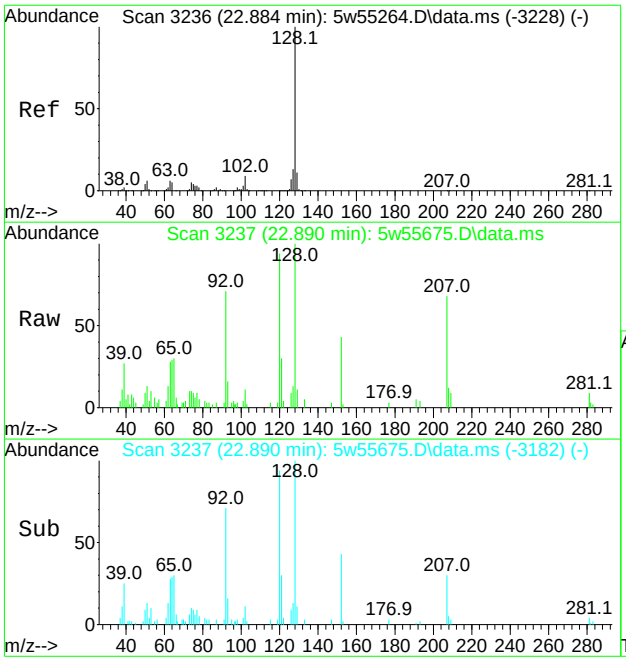




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1474 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:105 Resp: 20216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.3 | 22.6 | 82.6 |
| 119 | 14.0 | 69.7 | 129.7# |

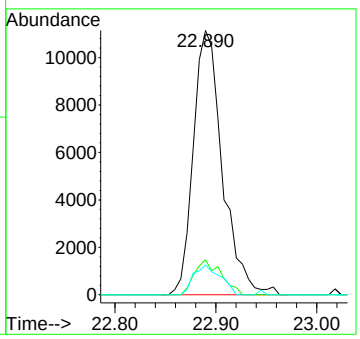





#108
NAPHTHALENE
Concen: 0.1164 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55675.D
Acq: 16 Dec 2024 10:33 pm

Tgt Ion:128 Resp: 22317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 0.0 | 43.1 |
| 129 | 10.3 | 0.0 | 41.1 |




7.4.1

7

# Manual Integration Approval Summary



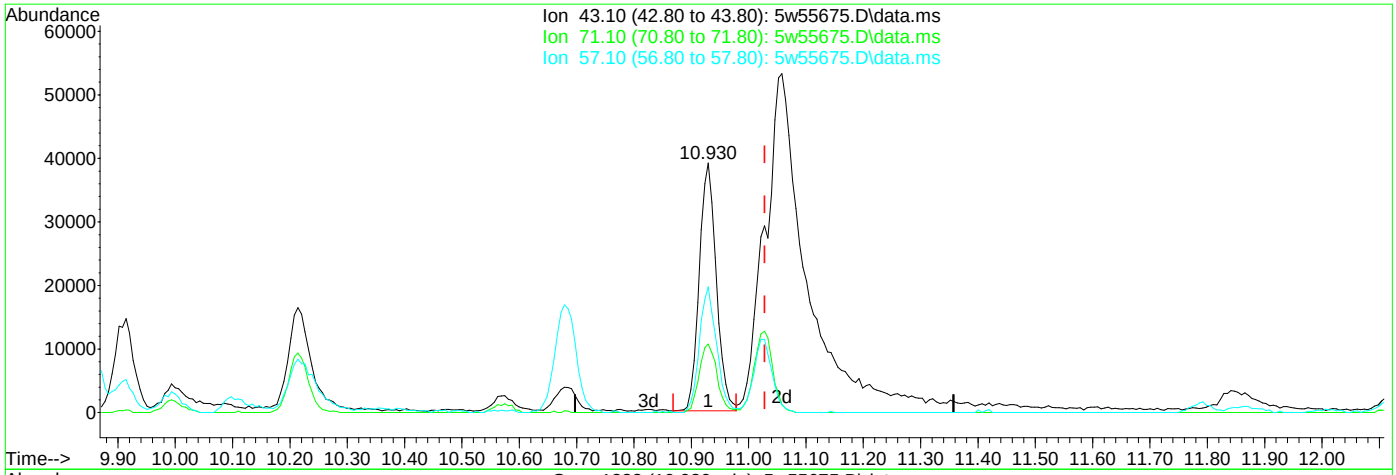
**Sample Number:** JE2487-4DUP
**Lab FileID:** 5W55675.D
**Injection Time:** 12/16/24 22:33
**Method:** TO-15
**Analyst approved:** 12/17/24 19:19 Kristel Valladolid
**Supervisor approved:** 12/18/24 22:00 Kanya Veerawat

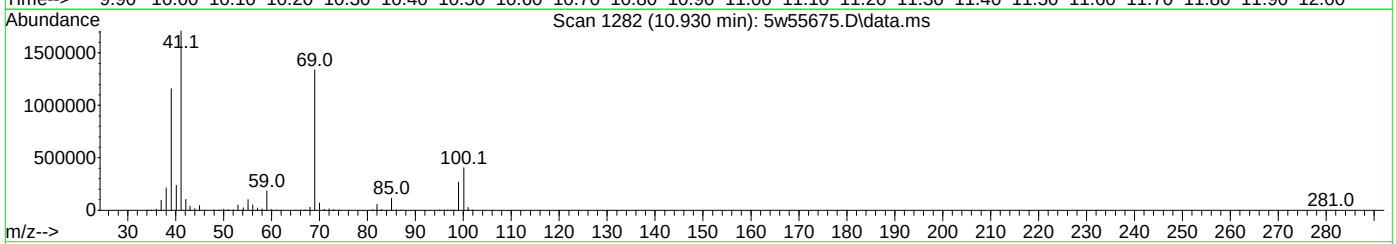
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Heptane | 142-82-5 | | 11.03 | Overlapping peak |
| Octane | 111-65-9 | | 14.32 | Overlapping peak |

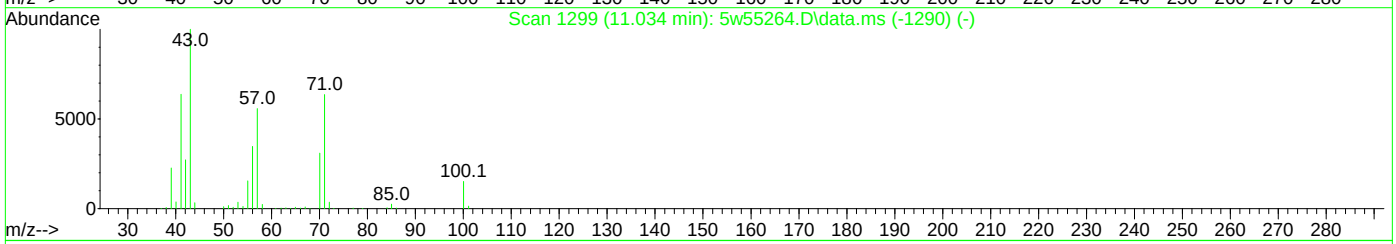
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 11:31:21 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55675.D\data.ms

(62) HEPTANE

10.930min (-0.098) 1.54PPBV

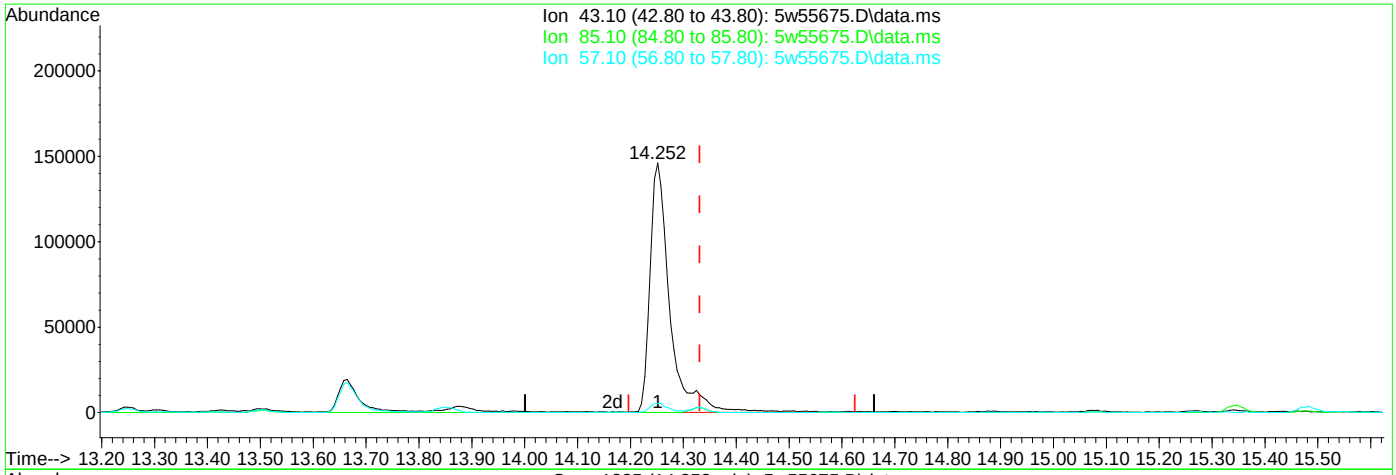
response 80578

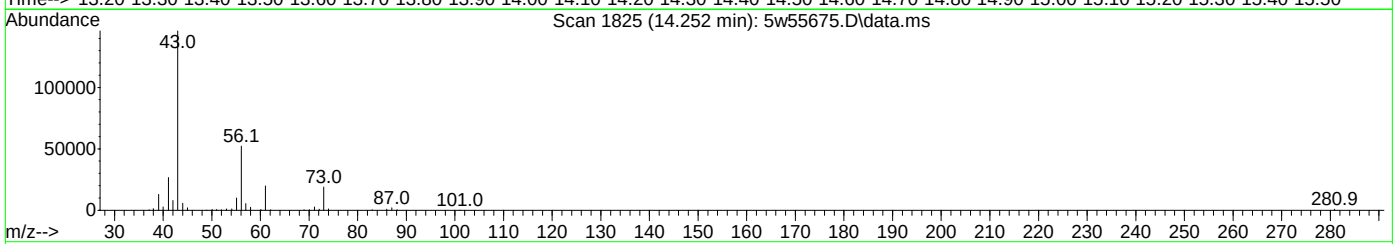
| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 71.10 | 57.20 | 29.42 |
| 57.10 | 52.50 | 51.41 |
| 0.00 | 0.00 | 0.00 |

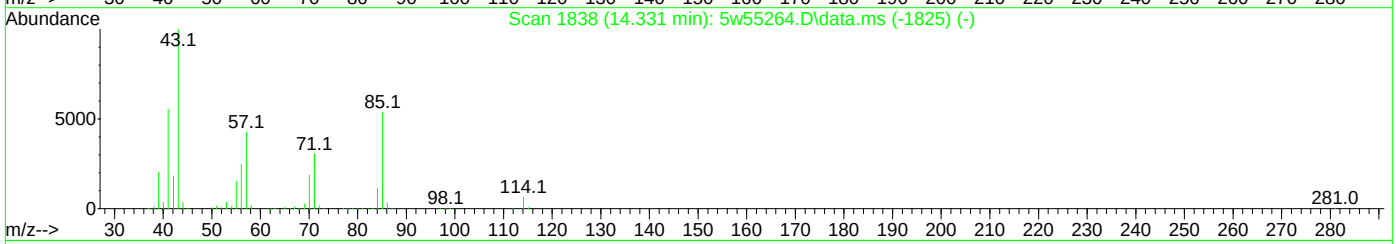
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55675.D
Acq On : 16 Dec 2024 10:33 pm
Operator : thomash
Sample : je2487-4 Inst : GCMS5W
Misc : MS88104,V5W2132,500,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 17 12:06:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55675.D\data.ms

(76) OCTANE

14.252min (-0.080) 5.56PPBV

response 385233

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 85.10 | 43.70 | 0.00# |
| 57.10 | 39.90 | 3.47# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

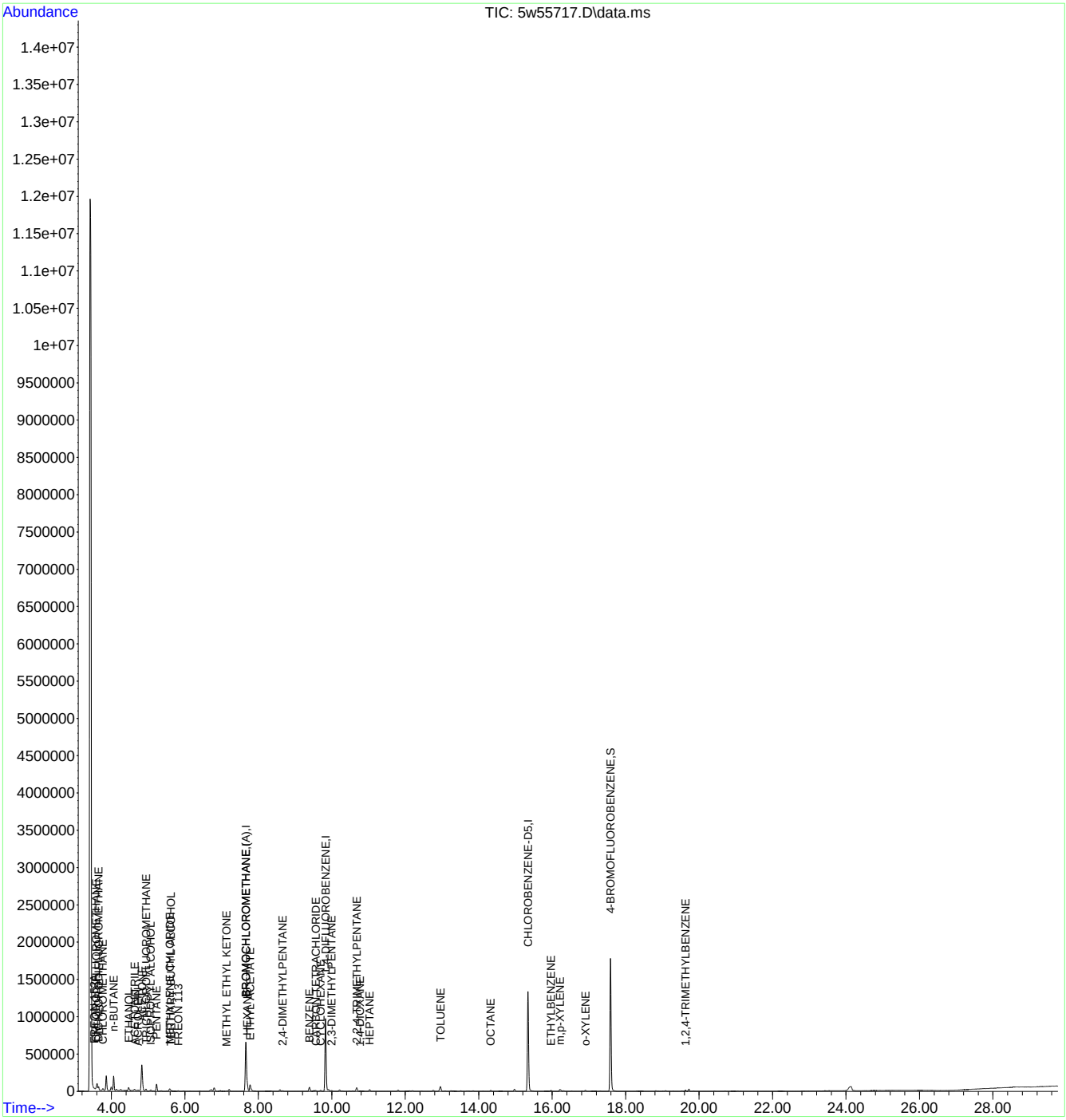
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 796945 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 502343 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 595808 | 10.60 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 3081 | 0.27 | PPBV # | 12 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2376 | 0.40 | PPBV | 81 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 41107 | 0.72 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.766 | 52 | 7350 | 0.99 | PPBV | 86 |
| 13) n-BUTANE | 4.060 | 43 | 164897 | 4.92 | PPBV | 96 |
| 17) ACETONITRILE | 4.629 | 41 | 23651 | 1.22 | PPBV | 94 |
| 18) ACROLEIN | 4.720 | 56 | 6082 | 0.72 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 21099 | 0.40 | PPBV | 95 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 20961 | 0.62 | PPBV | 87 |
| 23) ACETONE | 4.837 | 58 | 90583 | 7.16 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 42490 | 2.55 | PPBV | 97 |
| 28) ETHANOL | 4.470 | 45 | 51672 | 4.20 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13242 | 0.81 | PPBV | 84 |
| 33) FREON 113 | 5.815 | 151 | 2590 | 0.09 | PPBV | 88 |
| 35) TERTIARY BUTYL ALCOHOL | 5.626 | 59 | 3127 | 0.10 | PPBV # | 1 |
| 38) HEXANE | 7.700 | 57 | 29755 | 1.21 | PPBV | 88 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 1558m | 0.23 | PPBV | |
| 44) ETHYL ACETATE | 7.773 | 61 | 16258 | 3.24 | PPBV # | 72 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 2940 | 0.11 | PPBV | 78 |
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 3996 | 0.09 | PPBV | 92 |
| 52) BENZENE | 9.394 | 78 | 55338 | 0.96 | PPBV | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 4104 | 0.19 | PPBV # | 70 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 1495 | 0.13 | PPBV # | 63 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 40594 | 0.46 | PPBV | 82 |
| 61) 1,4-DIOXANE | 10.765 | 88 | 2063 | 0.15 | PPBV # | 1 |
| 62) HEPTANE | 11.028 | 43 | 10550 | 0.34 | PPBV | 87 |
| 66) TOLUENE | 12.961 | 92 | 30255 | 0.75 | PPBV | 95 |
| 76) OCTANE | 14.325 | 43 | 6737 | 0.15 | PPBV | 72 |
| 79) ETHYLBENZENE | 15.965 | 91 | 11469 | 0.12 | PPBV | 94 |
| 80) m,p-XYLENE | 16.215 | 106 | 11351 | 0.32 | PPBV | 94 |
| 81) o-XYLENE | 16.901 | 106 | 4250 | 0.12 | PPBV # | 78 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 8380 | 0.10 | PPBV # | 37 |

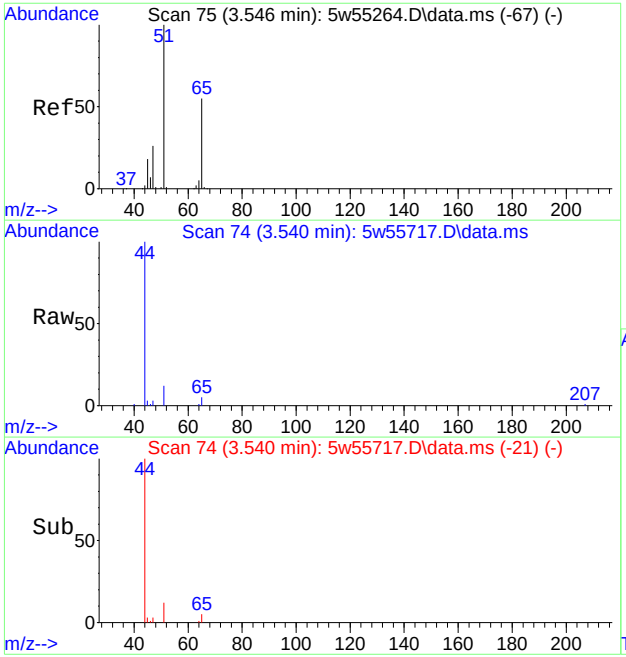
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

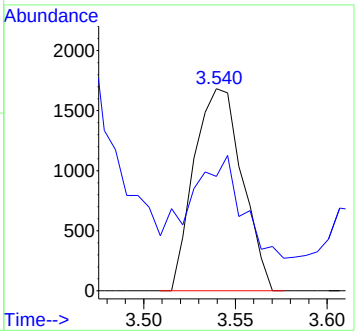


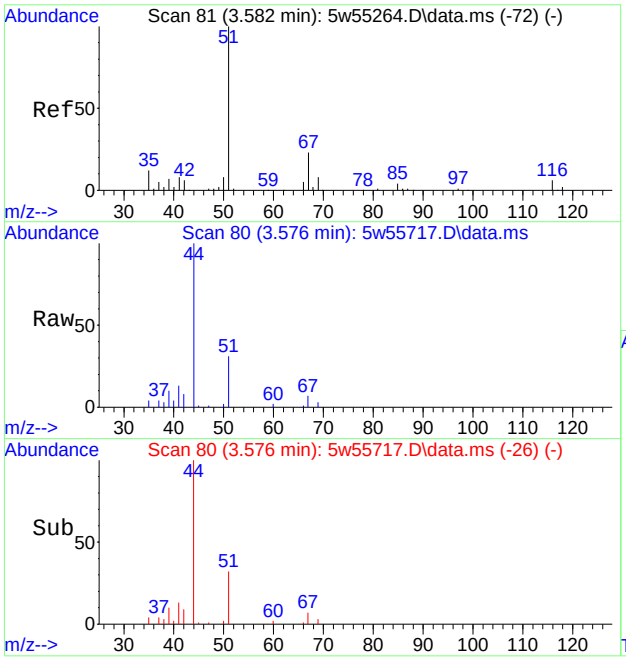



#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 80.6 | 1.8 | 61.8# |

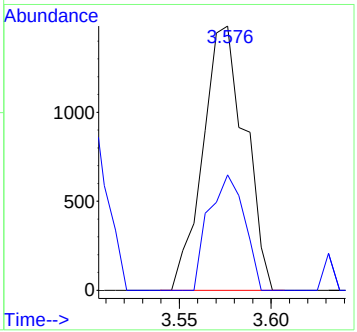


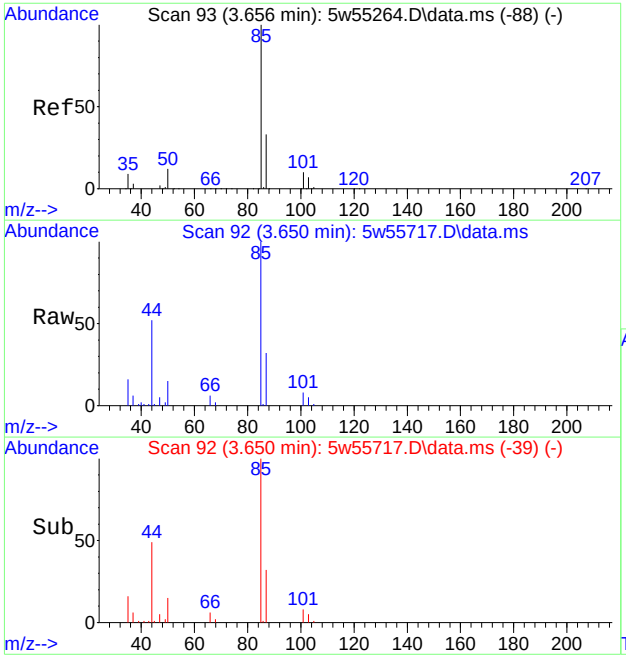




#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 43.7 | 2.9 | 62.9 |

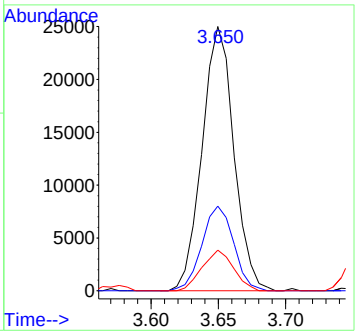


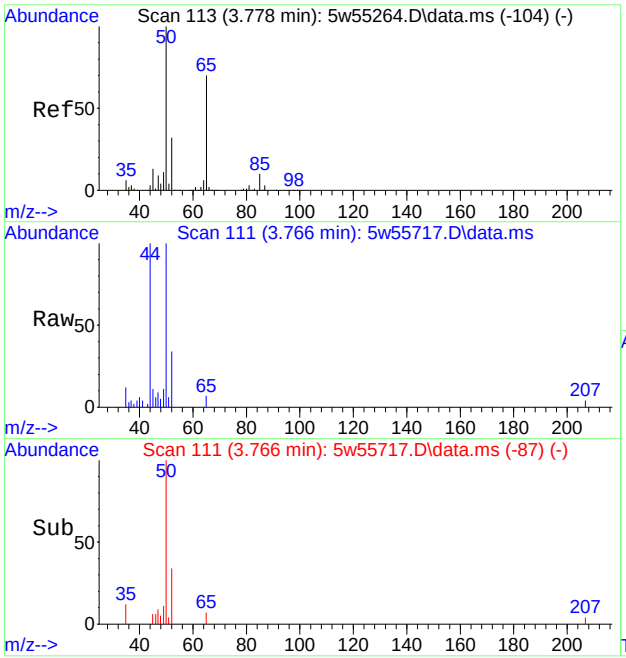



#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 2.6 | 62.6 |
| 50 | 15.2 | 0.0 | 43.0 |

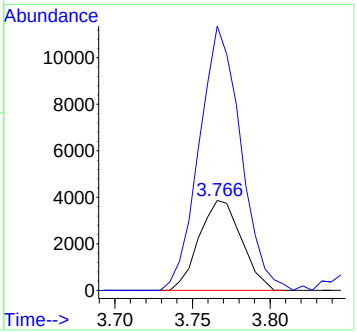


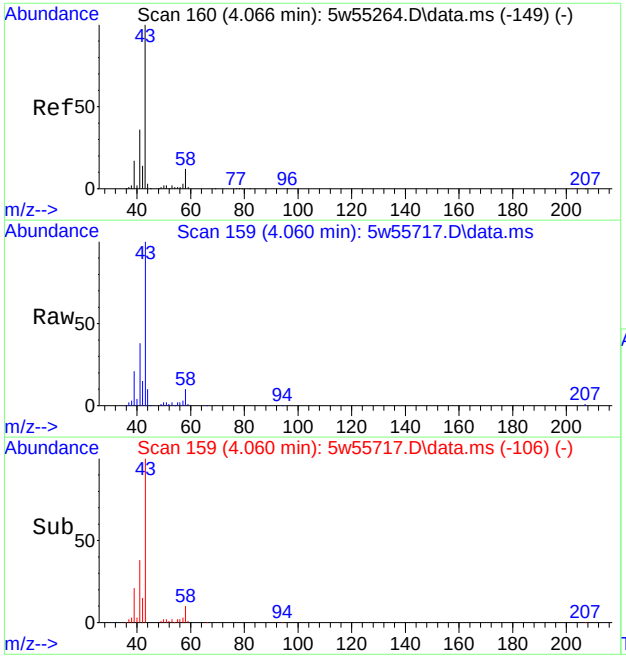




#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 290.3 | 287.9 | 347.9 |

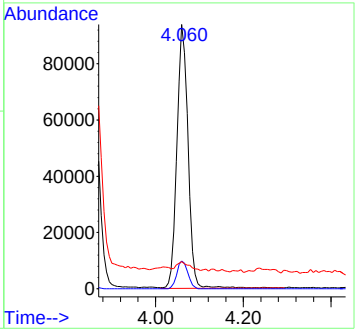


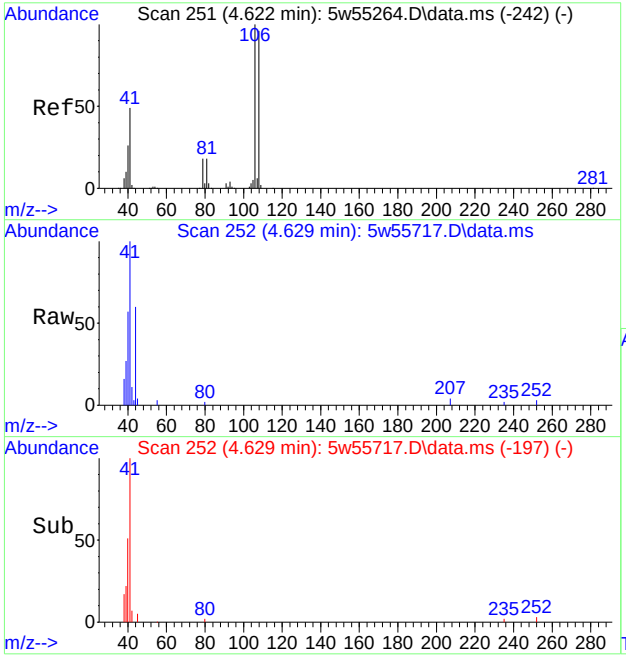



#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 6.2 | 0.0 | 34.7 |

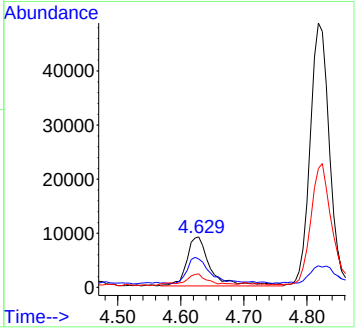


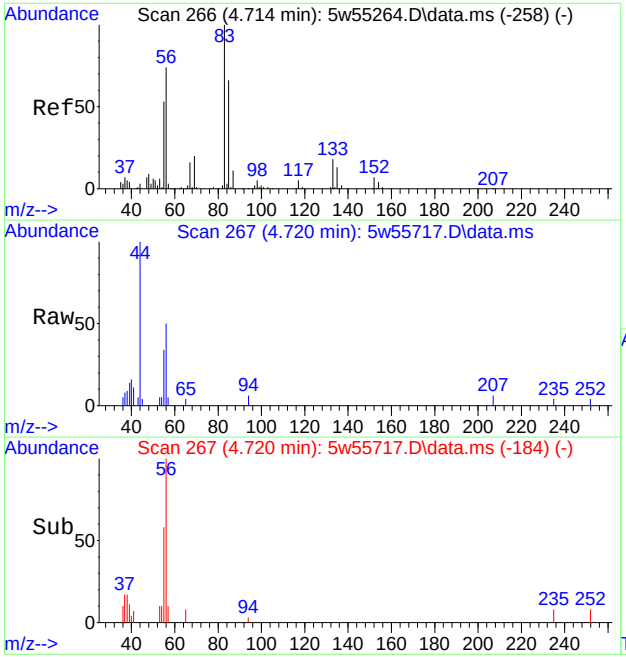




#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 57.5 | 38.4 | 71.4 |
| 39 | 25.2 | 13.7 | 25.5 |

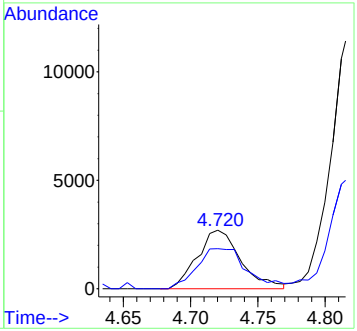


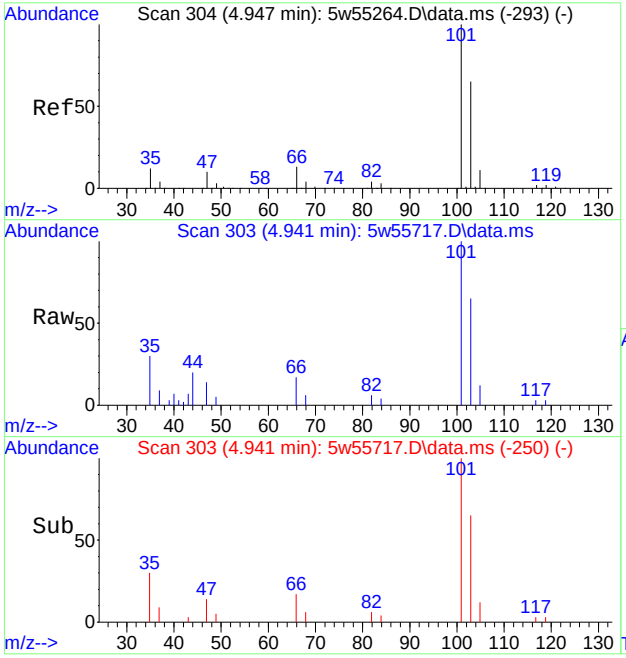



#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.5 | 49.8 | 92.6 |

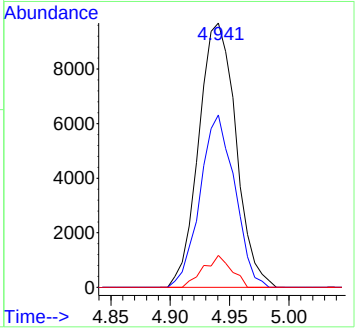


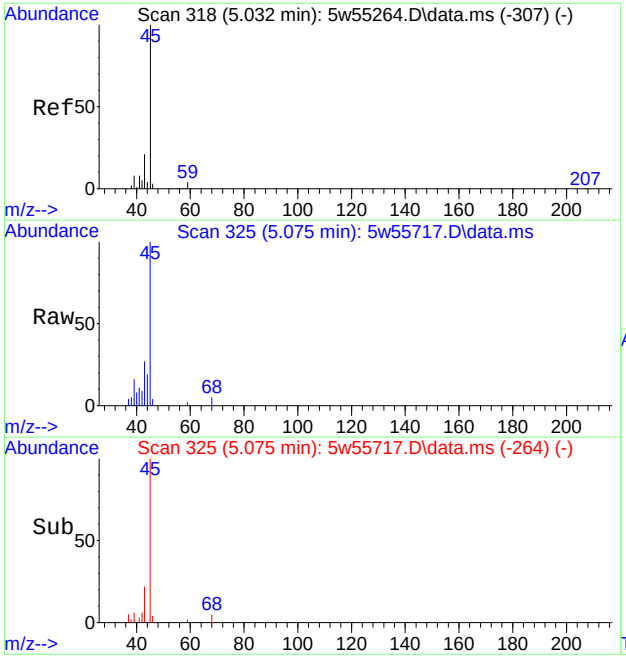




#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 60.7 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

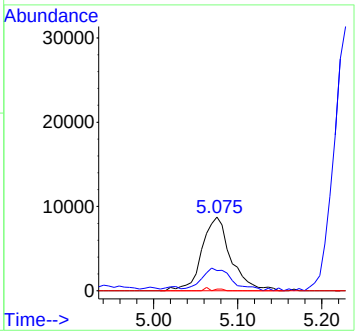


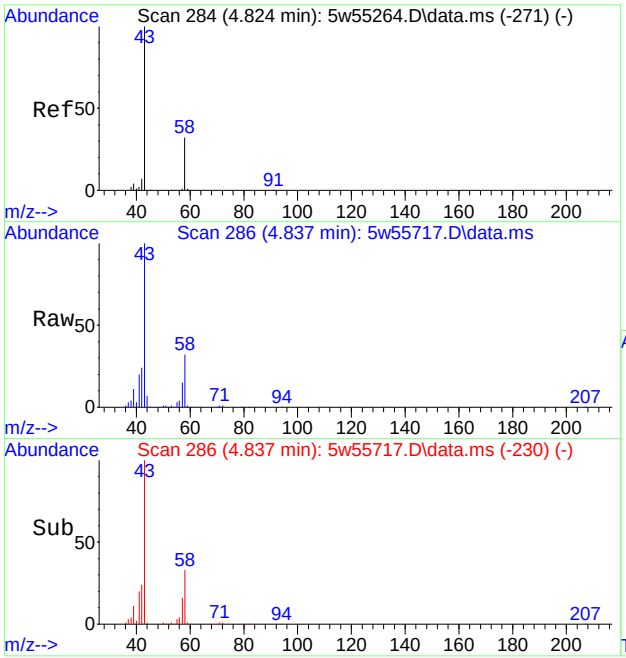



#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.4 | 0.0 | 50.8 |
| 59 | 2.3 | 0.0 | 33.8 |

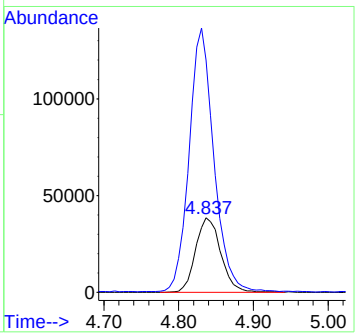


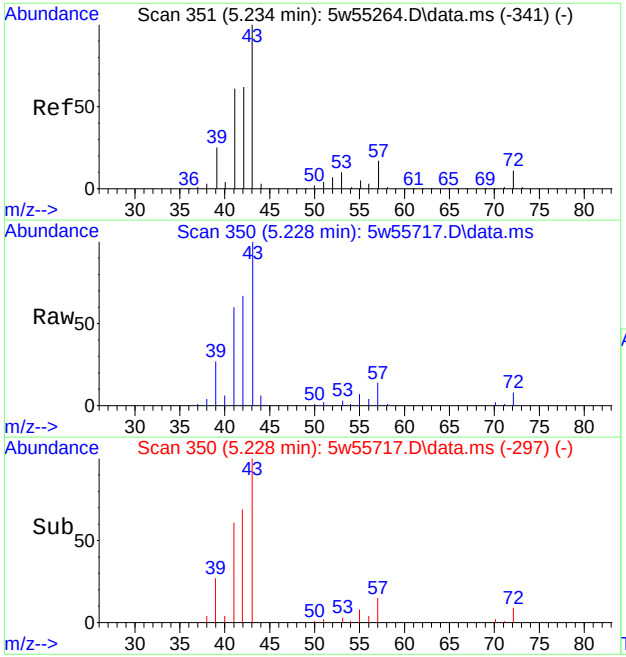




#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 346.9 | 312.3 | 372.3 |

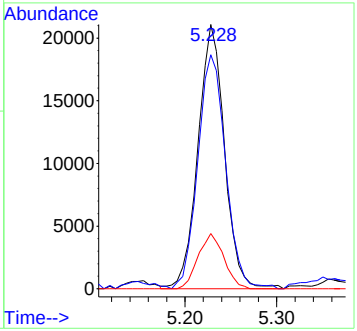


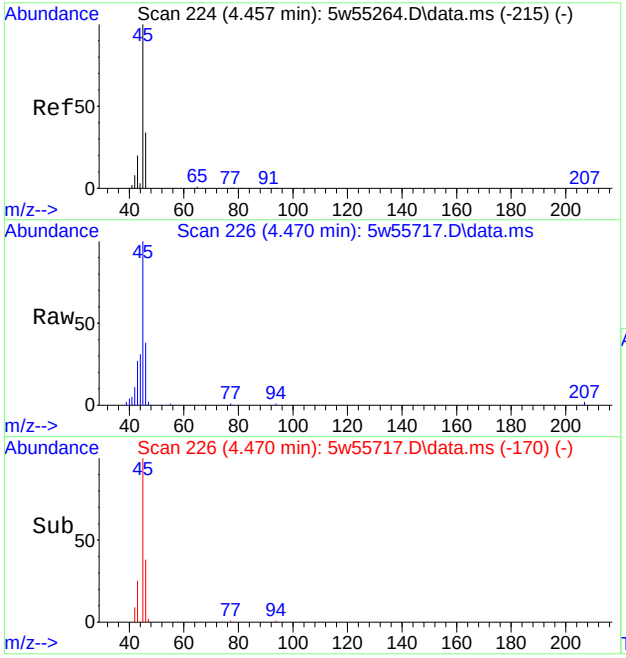



#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 92.6 | 64.4 | 124.4 |
| 57 | 20.3 | 0.0 | 55.0 |

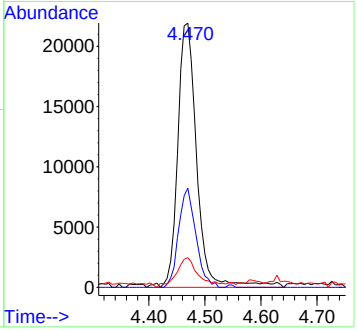


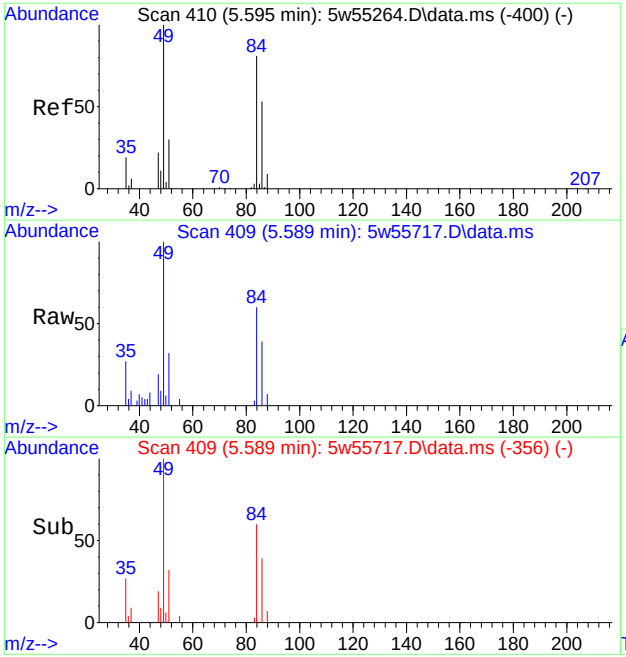




#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.1 | 4.5 | 64.5 |
| 42 | 14.5 | 0.0 | 38.6 |

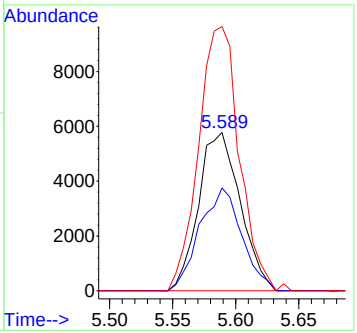


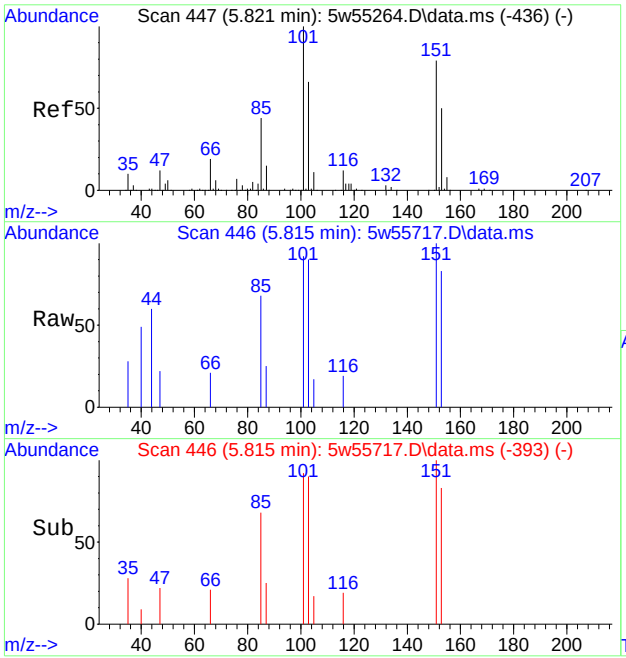



#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.5 | 34.0 | 94.0 |
| 49 | 163.4 | 105.8 | 165.8 |

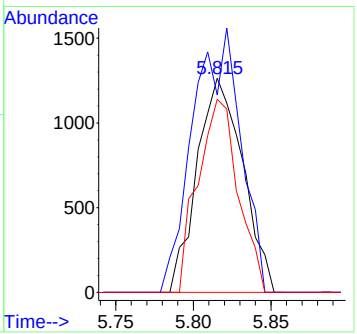


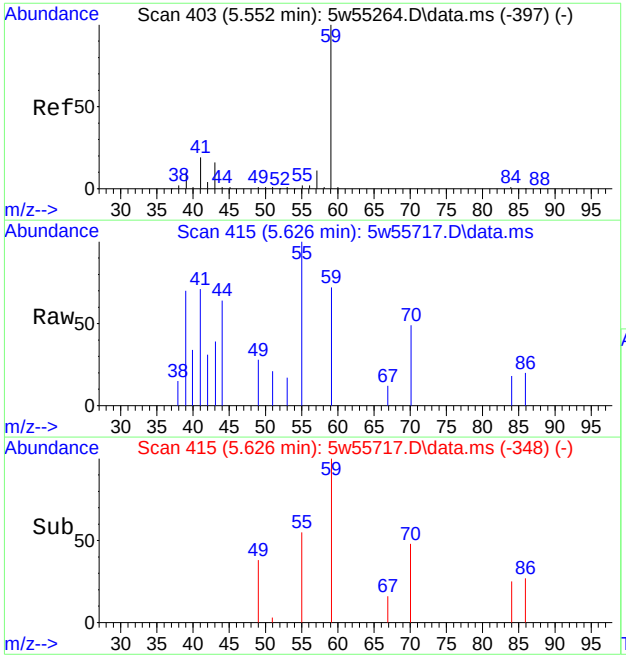




#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 128.7 | 112.2 | 172.2 |
| 103 | 79.4 | 62.0 | 122.0 |

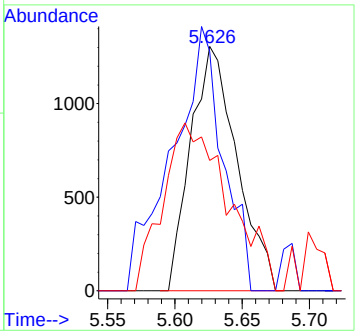


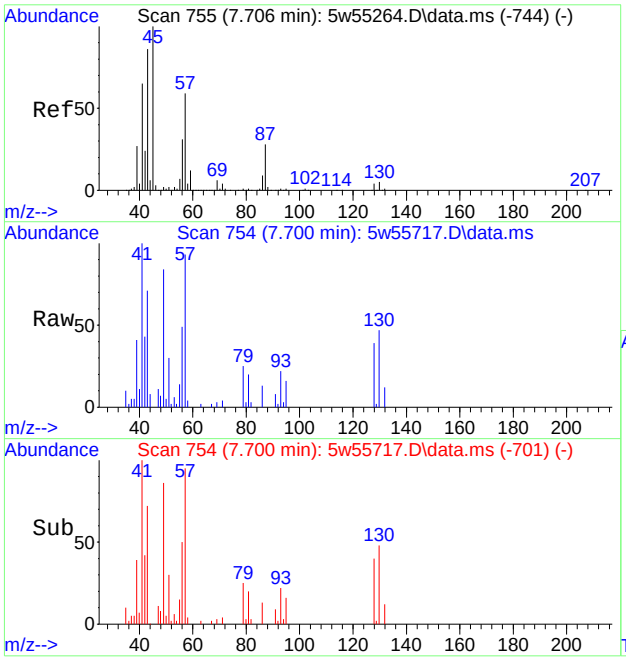



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 118.1 | 0.0 | 53.1# |
| 43 | 98.1 | 0.0 | 47.1# |

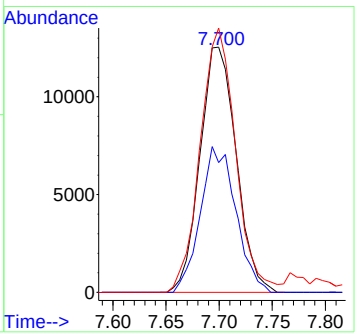


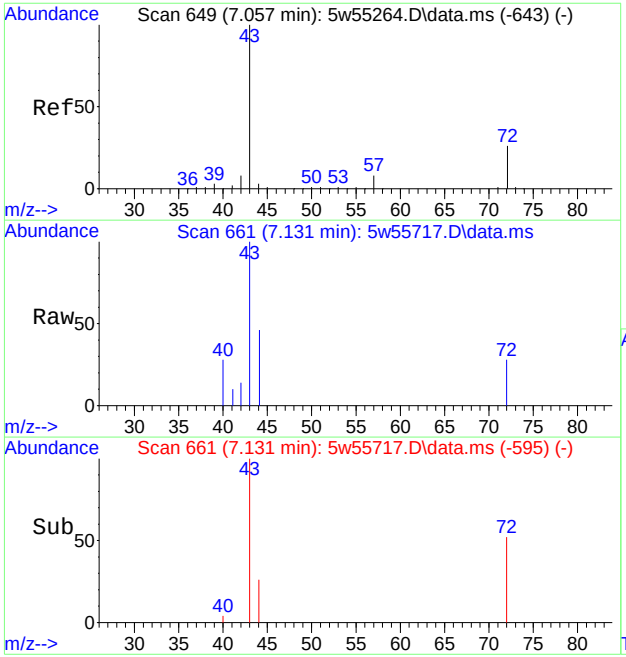




#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.1 | 24.2 | 84.2 |
| 41 | 105.3 | 92.1 | 152.1 |

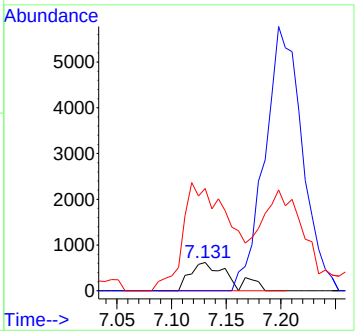


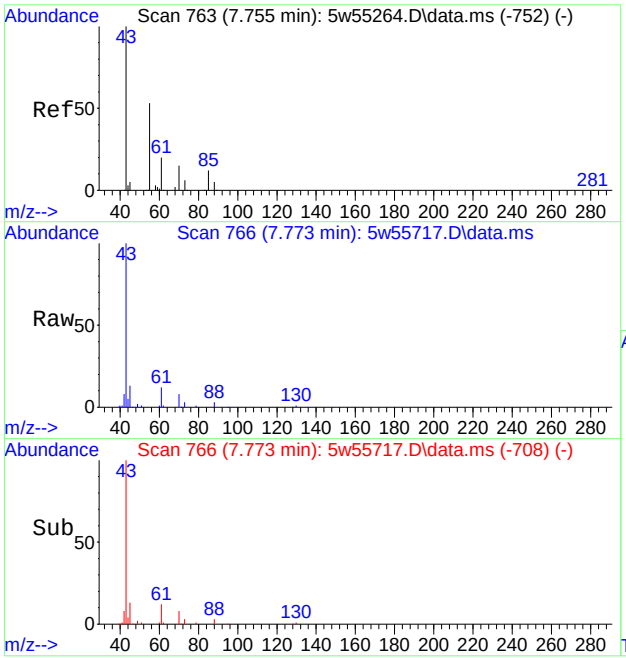



#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 361.9 | 390.6 | 450.6# |

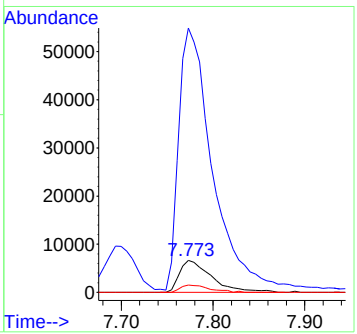


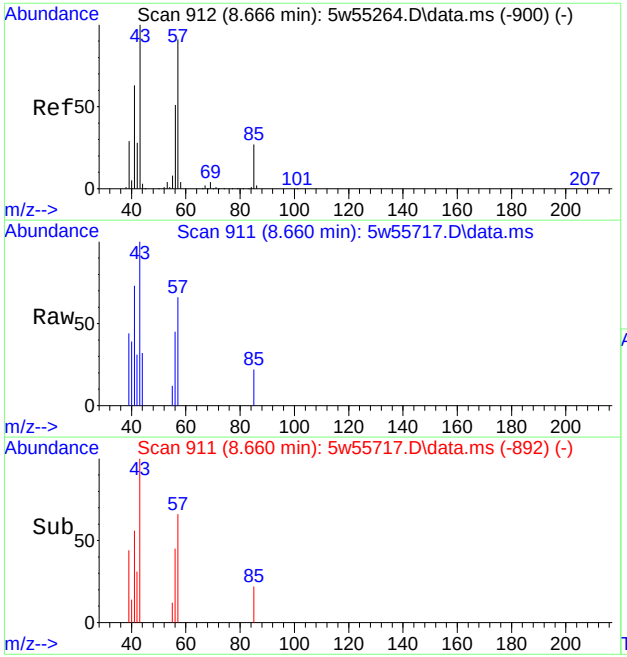




#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 898.0 | 0.0 | 30.0# |
| 88 | 20.8 | 7.3 | 67.3 |

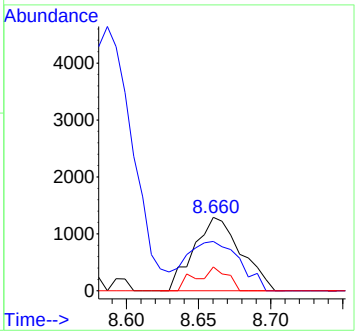


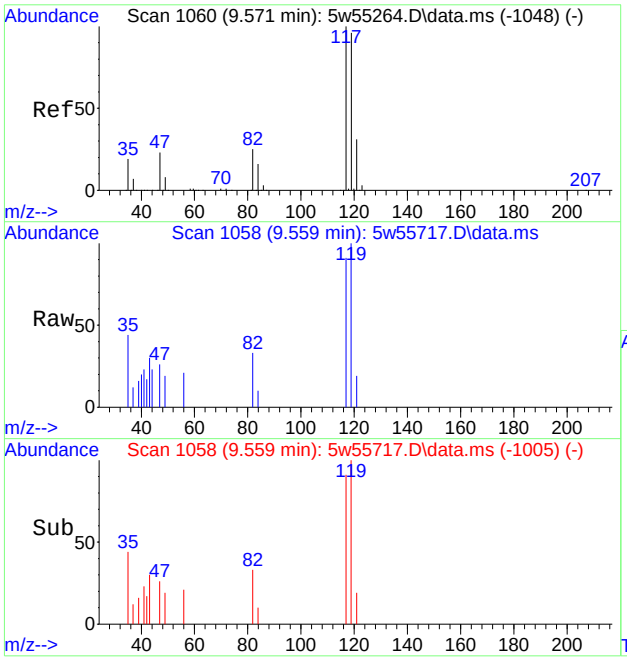



#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 76.5 | 26.4 | 86.4 |
| 85 | 21.3 | 0.0 | 56.0 |

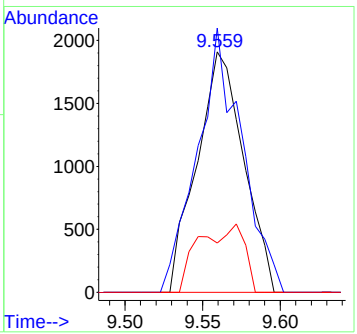


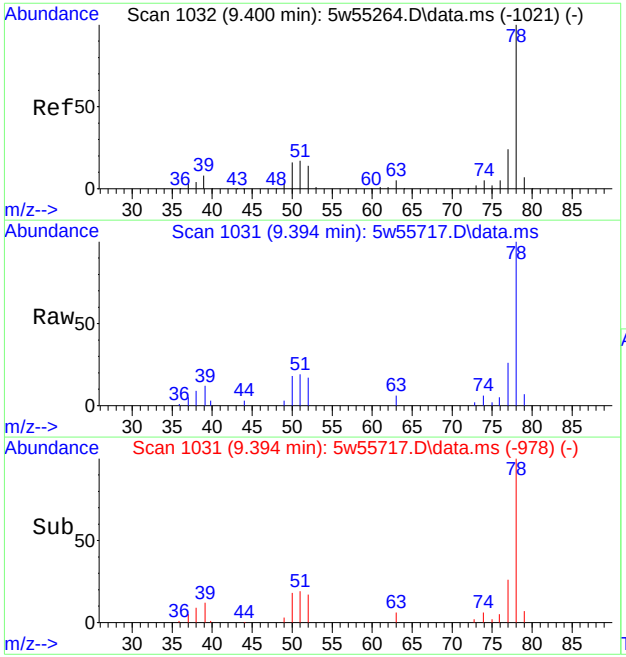




#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 104.8 | 65.9 | 125.9 |
| 121 | 27.3 | 0.7 | 60.7 |

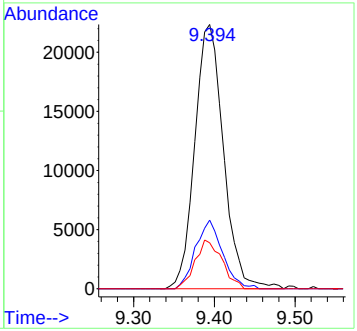


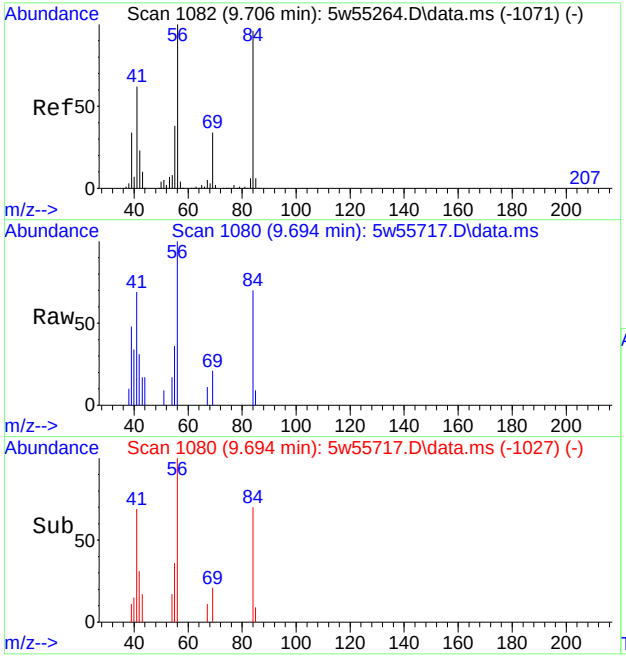



#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 0.0 | 54.0 |
| 52 | 17.3 | 0.0 | 45.6 |

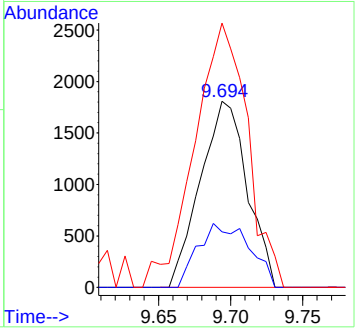


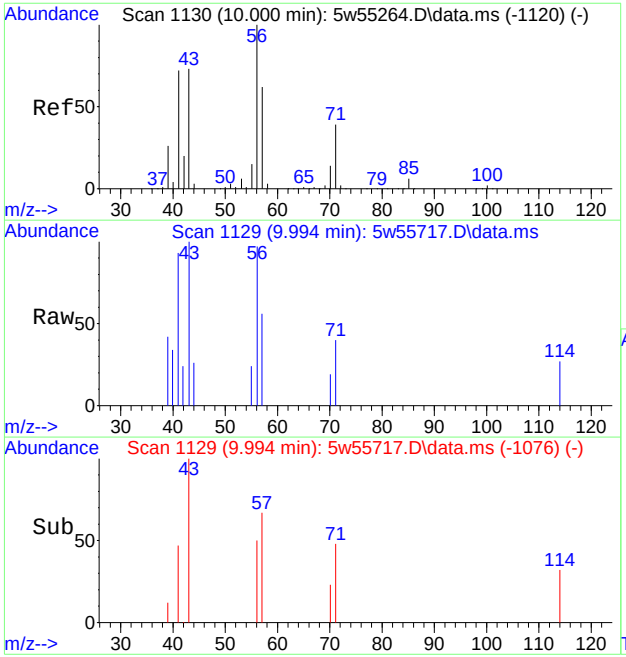




#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 37.4 | 7.0 | 67.0 |
| 56 | 159.7 | 86.5 | 146.5# |

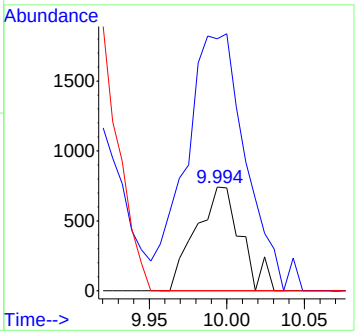


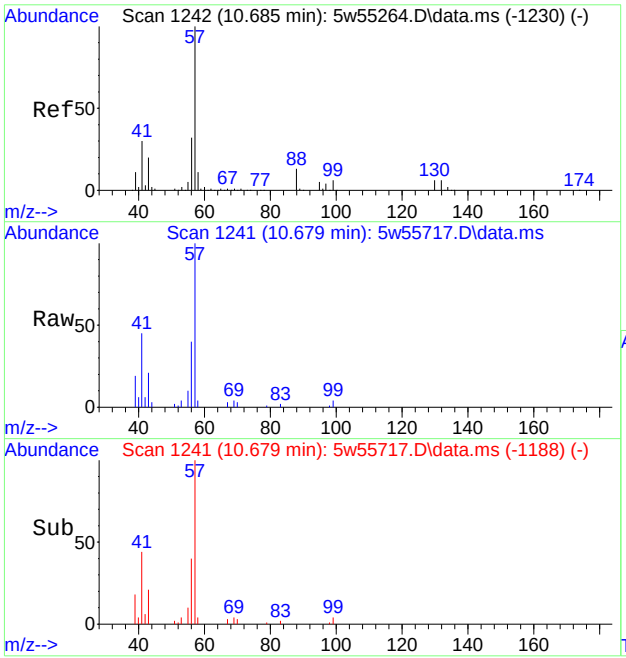



#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 332.4 | 235.4 | 295.4# |
| 85 | 0.0 | 0.0 | 45.3 |

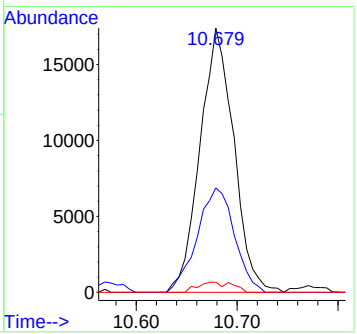


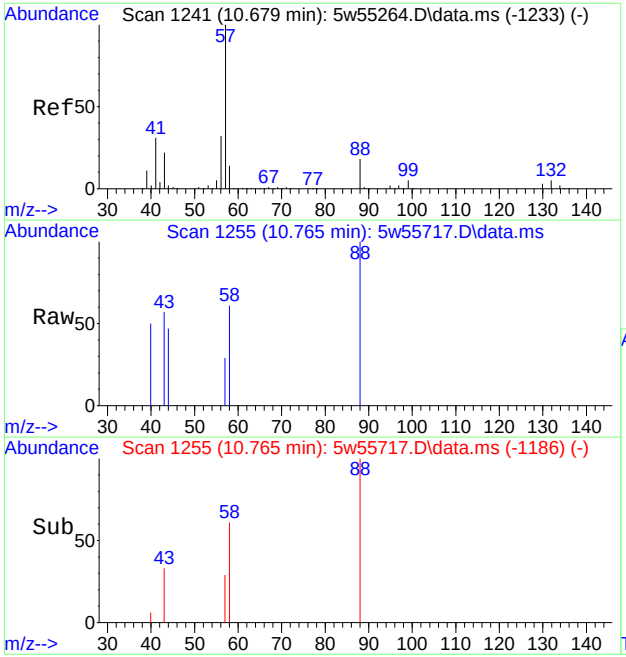




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 43.5 | 2.2 | 62.2 |
| 99 | 4.0 | 0.0 | 37.6 |

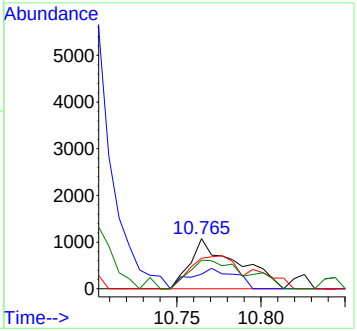


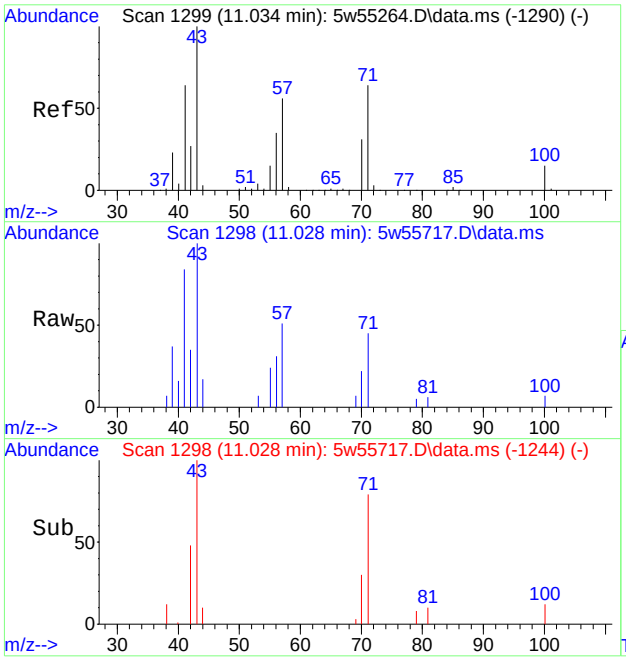



#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 29.2 | 493.0 | 553.0# |
| 58 | 60.6 | 54.8 | 114.8 |
| 43 | 56.8 | 94.7 | 154.7# |

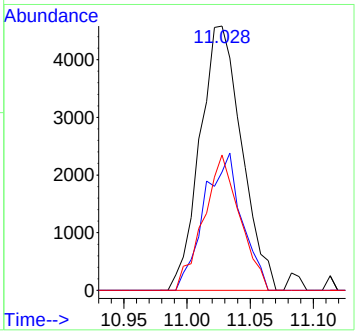


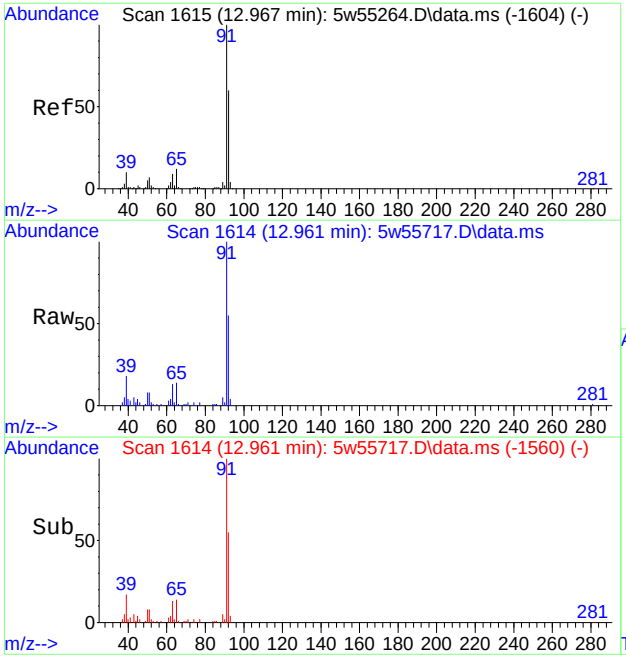




#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 46.8 | 27.2 | 87.2 |
| 57 | 44.6 | 22.5 | 82.5 |

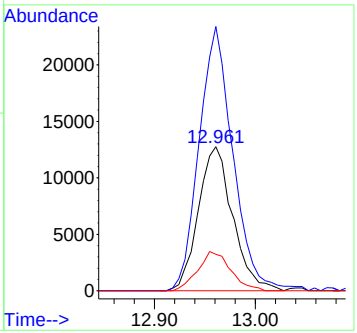


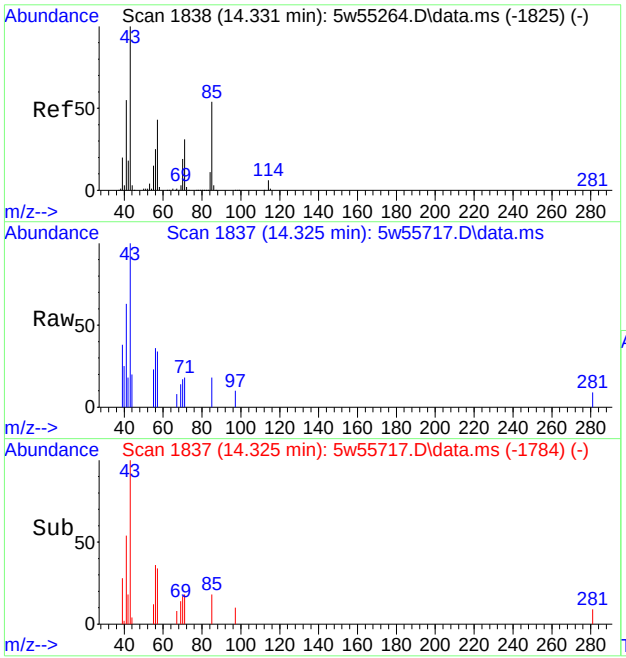



#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.0 | 143.4 | 203.4 |
| 65 | 26.2 | 0.0 | 53.8 |

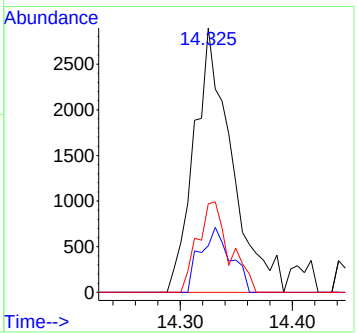


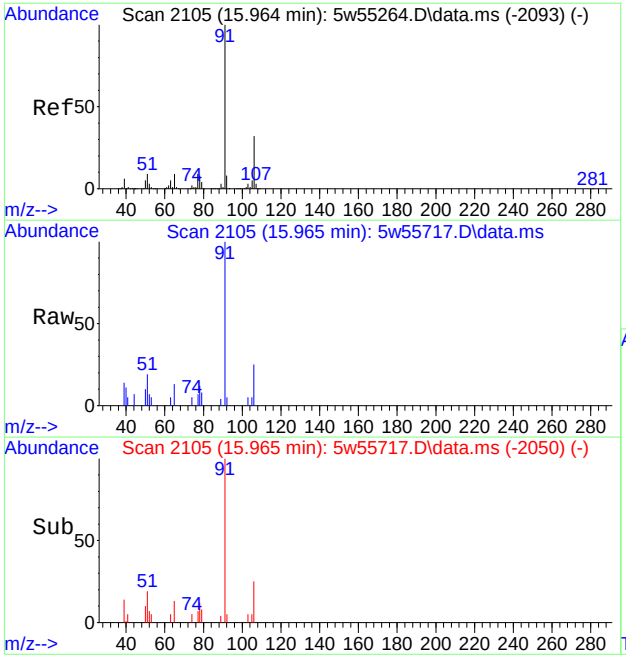




#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 19.9 | 13.7 | 73.7 |
| 57 | 29.2 | 9.9 | 69.9 |

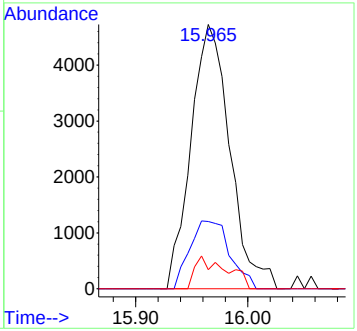


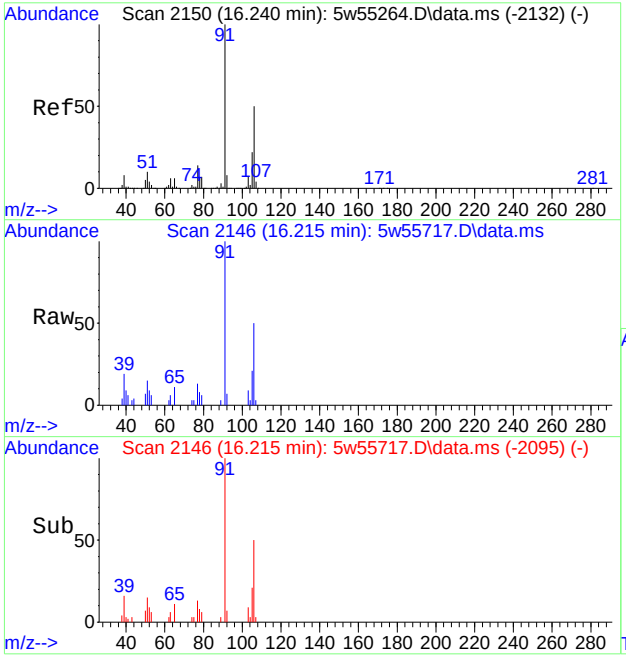



#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.2 | 0.0 | 59.9 |
| 77 | 9.9 | 0.0 | 39.1 |

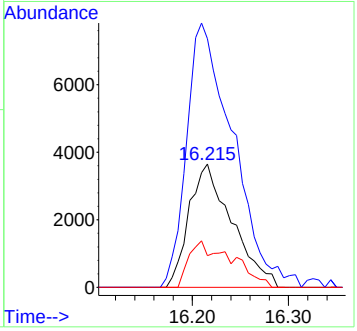


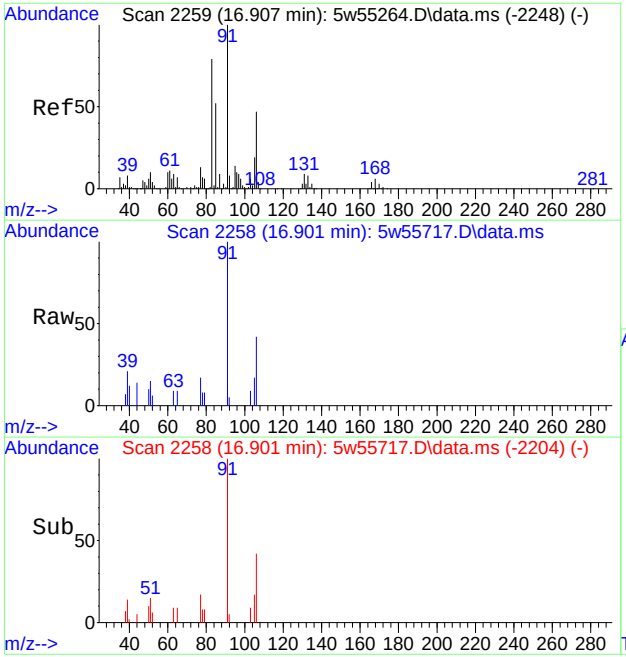




#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.5 | 181.2 | 241.2 |
| 77 | 25.8 | 0.1 | 60.1 |

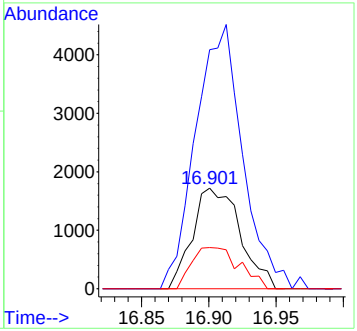


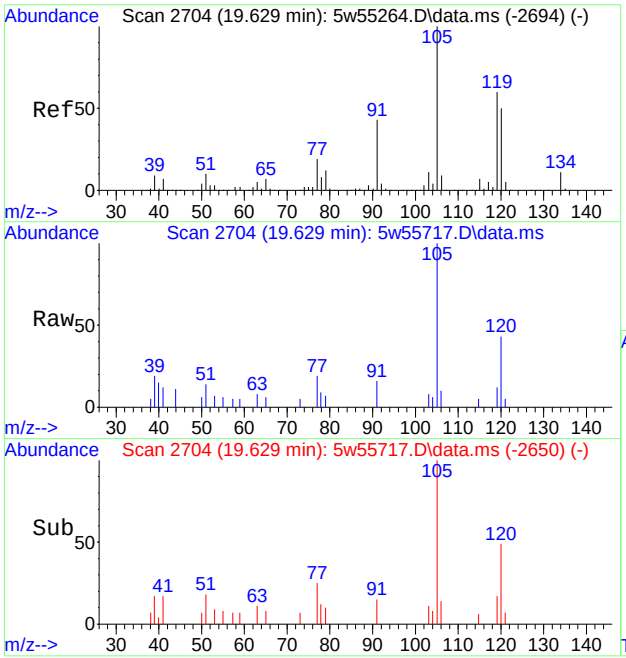



#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 259.6 | 193.4 | 253.4# |
| 77 | 40.9 | 0.0 | 59.8 |

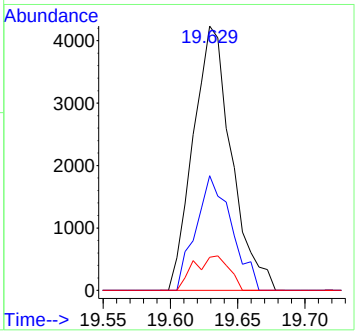



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.5 | 22.6 | 82.6 |
| 119 | 12.0 | 69.7 | 129.7# |



# Manual Integration Approval Summary



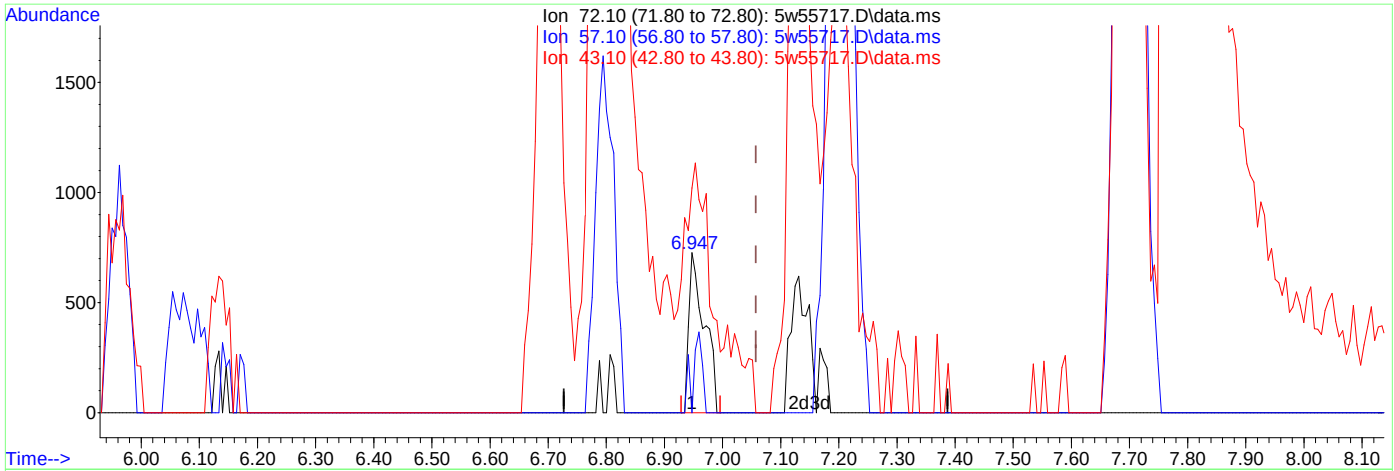
**Sample Number:** JE2488-2DUP
**Lab FileID:** 5W55717.D
**Injection Time:** 12/18/24 09:29
**Method:** TO-15
**Analyst approved:** 12/20/24 20:17 Kanya Veerawat
**Supervisor approved:** 12/20/24 20:19 Kanya Veerawat

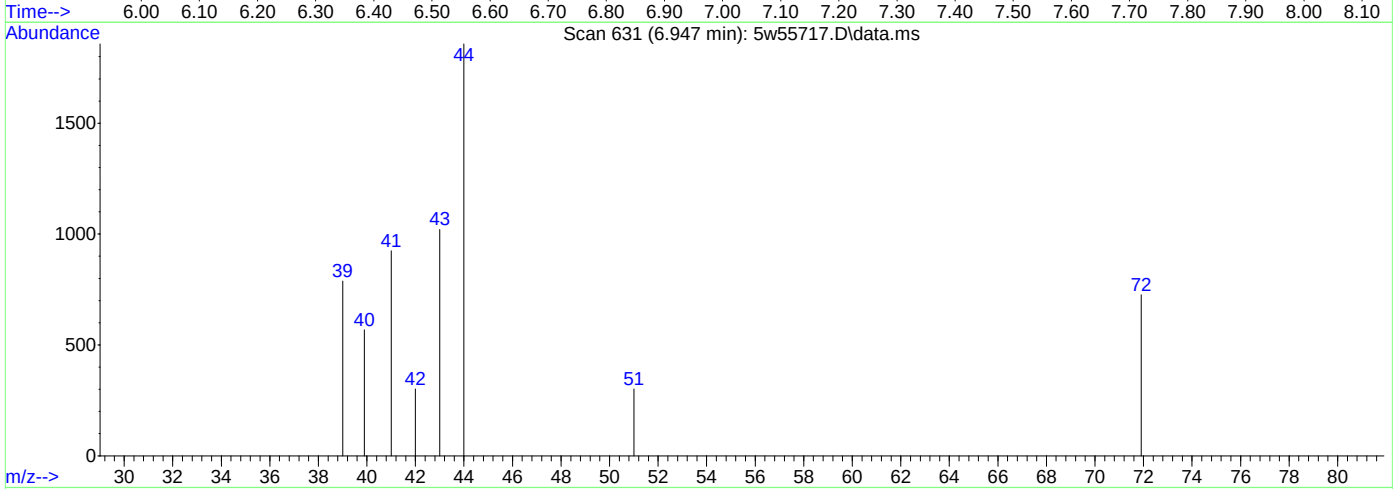
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | | 7.13 | Missed peak |

# Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 0.00# |
| 43.10 | 420.60 | 140.63# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

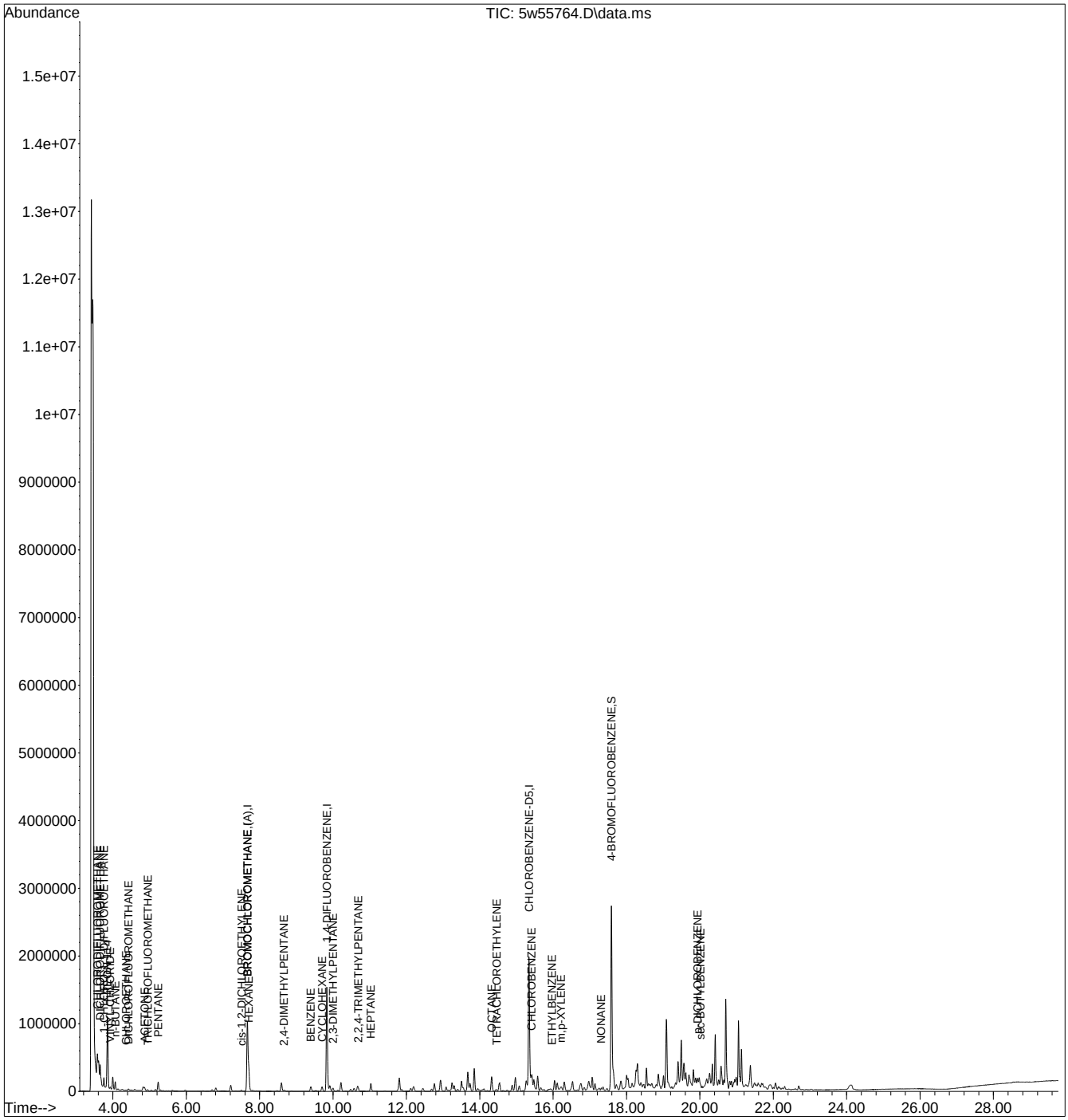
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260206 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1283023 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 766261 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260206 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1001231 | 11.68 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 116.80% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 64438 | 6.4553 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 242419 | 2.5494 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 116355 | 1.1949 | PPBV | 96 |
| 9) FREON 114 | 3.839 | 85 | 228423 | 1.9584 | PPBV | 89 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 29985 | 0.6944 | PPBV | 98 |
| 13) n-BUTANE | 4.066 | 43 | 94390 | 1.6980 | PPBV # | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 1717 | 0.0870 | PPBV | 89 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 17174 | 0.1761 | PPBV | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 15963 | 0.1817 | PPBV | 97 |
| 23) ACETONE | 4.861 | 58 | 18828 | 0.8971 | PPBV # | 30 |
| 24) PENTANE | 5.234 | 42 | 60318 | 2.1808 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 140803 | 3.4536 | PPBV | 85 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 6787 | 0.2273 | PPBV | 95 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 6392 | 0.1434 | PPBV | 95 |
| 52) BENZENE | 9.394 | 78 | 70157 | 0.7544 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 23675 | 0.6777 | PPBV | 90 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 7682 | 0.4073 | PPBV | 88 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 40171 | 0.2845 | PPBV # | 39 |
| 62) HEPTANE | 11.028 | 43 | 54615 | 1.1072 | PPBV | 93 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 2299 | 0.0459 | PPBV | 84 |
| 76) OCTANE | 14.325 | 43 | 42460 | 0.6309 | PPBV | 88 |
| 78) CHLOROBENZENE | 15.408 | 112 | 101307 | 1.0270 | PPBV | 97 |
| 79) ETHYLBENZENE | 15.971 | 91 | 20981 | 0.1485 | PPBV | 87 |
| 80) m,p-XYLENE | 16.209 | 106 | 9919 | 0.1850 | PPBV | 92 |
| 83) NONANE | 17.304 | 43 | 23512 | 0.3348 | PPBV # | 58 |
| 99) p-DICHLOROBENZENE | 19.929 | 146 | 34934 | 0.3566 | PPBV | 95 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 3024 | 0.0914 | PPBV # | 51 |

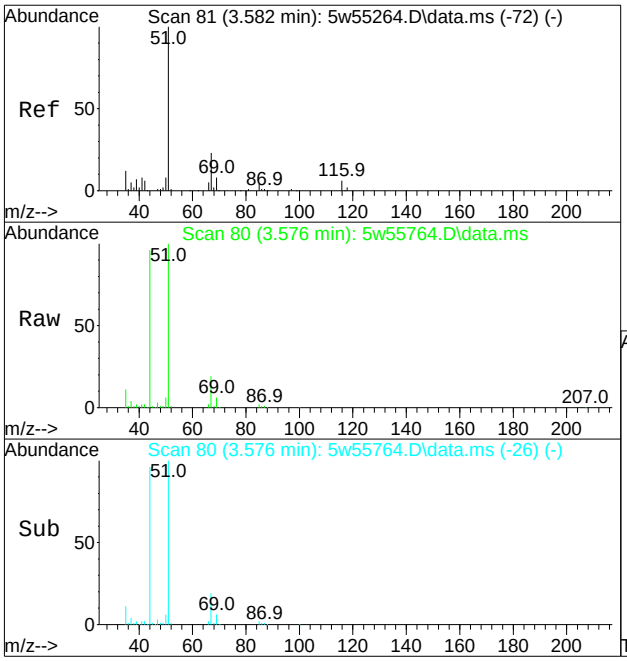
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55764.D
Acq On : 20 Dec 2024 1:06 am
Operator : thomash
Sample : je2666-1dup Inst : GCMS5W
Misc : MS88187,V5W2135,100,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 16:02:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

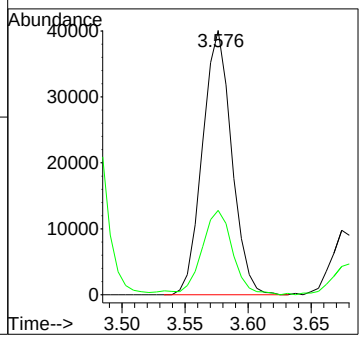


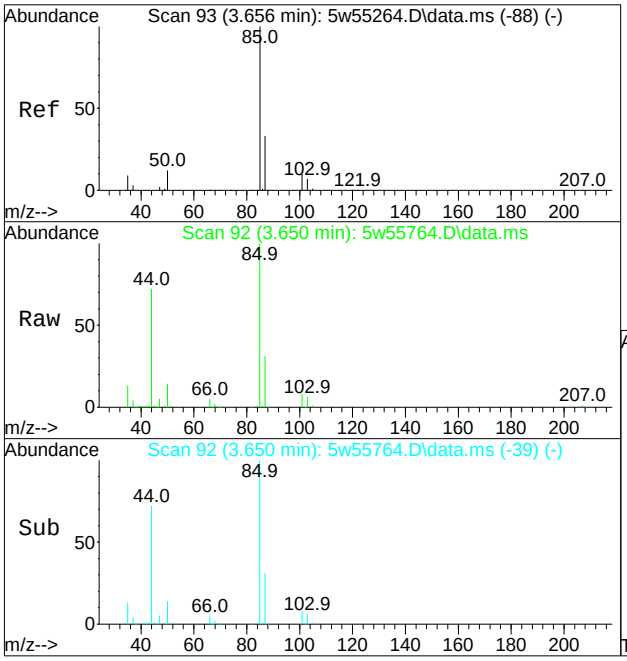



#4
CHLORODIFLUOROMETHANE
Concen: 6.4553 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 64438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.0 | 2.9 | 62.9 |

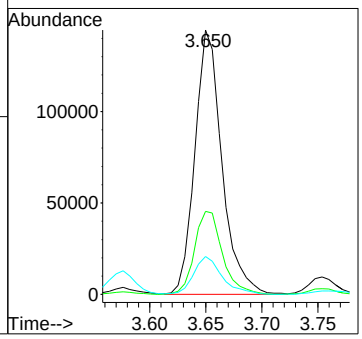


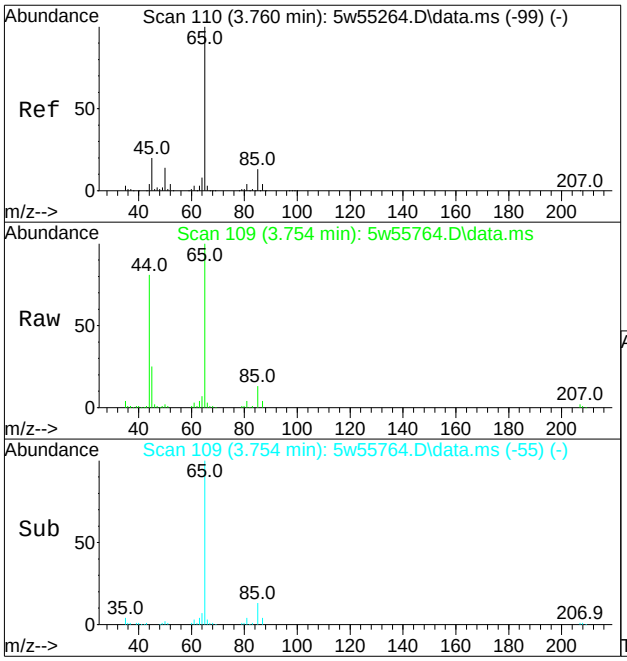




#6
DICHLORODIFLUOROMETHANE
Concen: 2.5494 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 242419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 2.6 | 62.6 |
| 50 | 15.1 | 0.0 | 43.0 |

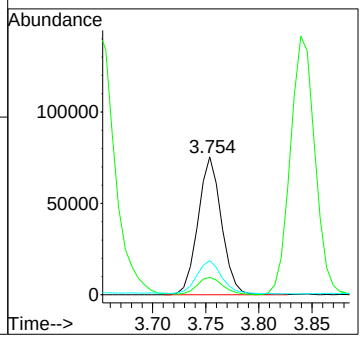


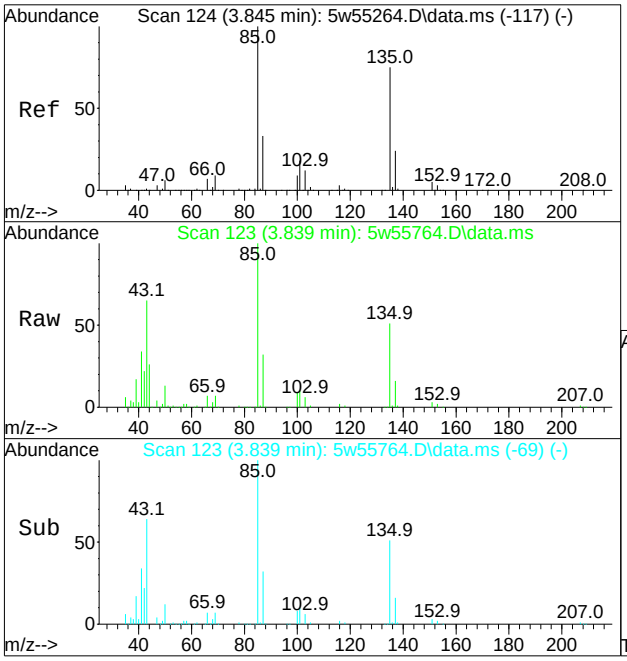



#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 1.1949 PPBV
RT: 3.754 min Scan# 109
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 65 Resp: 116355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 14.1 | 10.1 | 18.7 |
| 45 | 25.7 | 15.9 | 29.5 |

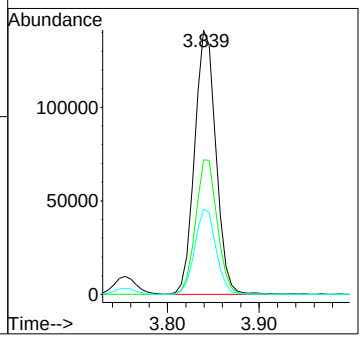


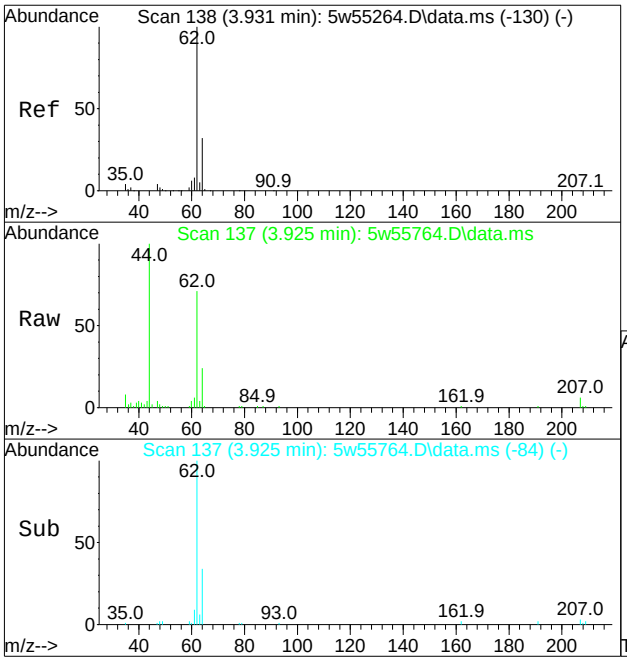




#9
FREON 114
Concen: 1.9584 PPBV
RT: 3.839 min Scan# 123
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 85 Resp: 228423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 51.7 | 34.3 | 94.3 |
| 87 | 32.3 | 2.9 | 62.9 |

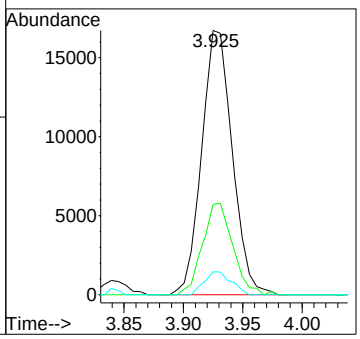


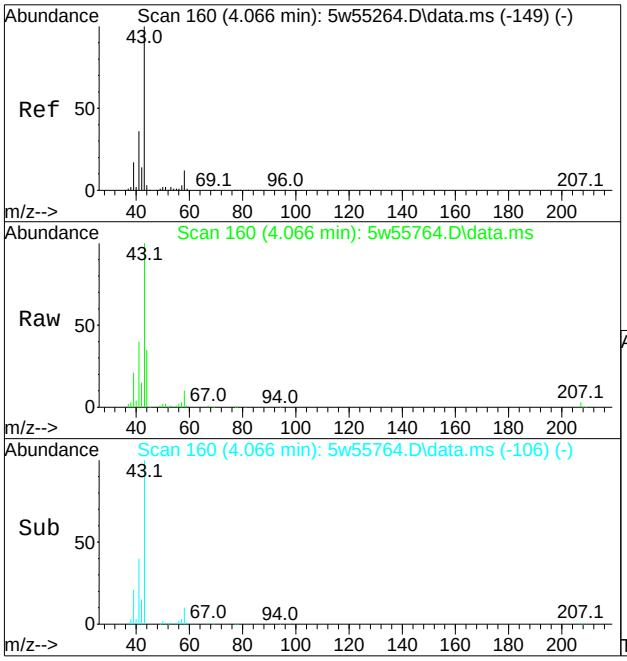



#11
VINYL CHLORIDE
Concen: 0.6944 PPBV
RT: 3.925 min Scan# 137
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 62 Resp: 29985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.2 | 2.8 | 62.8 |
| 61 | 7.7 | 0.0 | 38.3 |

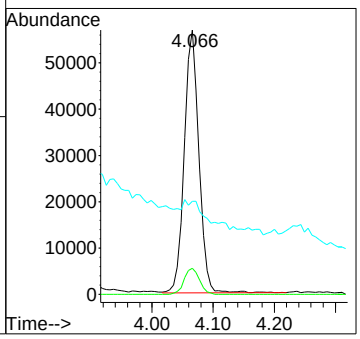


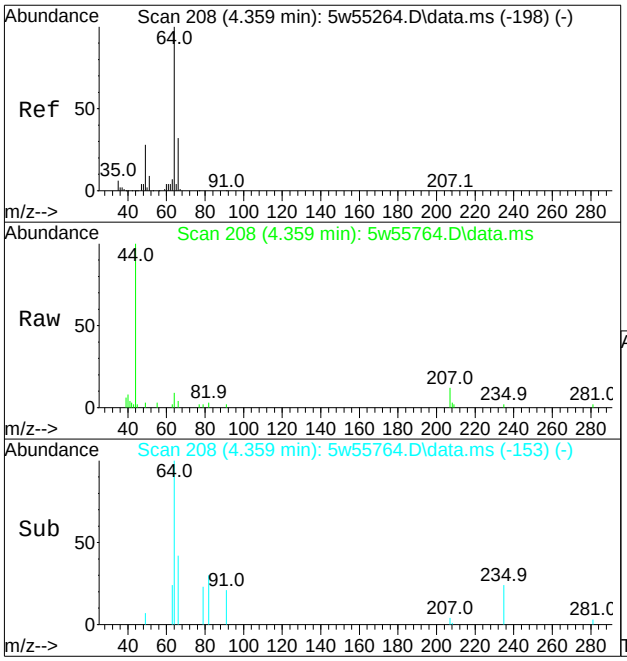




#13
n-BUTANE
Concen: 1.6980 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 94390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

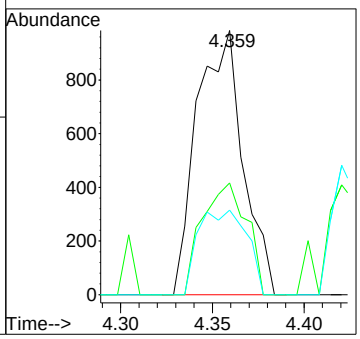


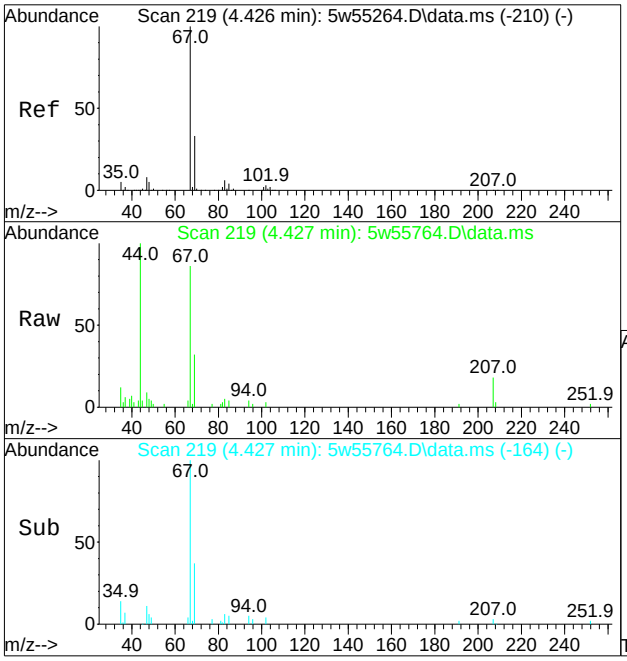



#15
CHLOROETHANE
Concen: 0.0870 PPBV
RT: 4.359 min Scan# 208
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 64 Resp: 1717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 40.8 | 2.4 | 62.4 |
| 49 | 33.8 | 0.0 | 59.8 |

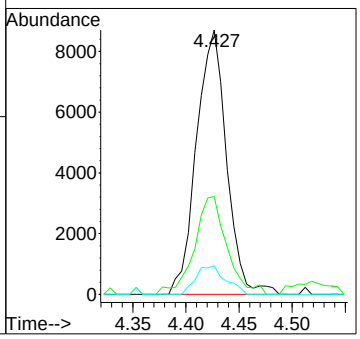


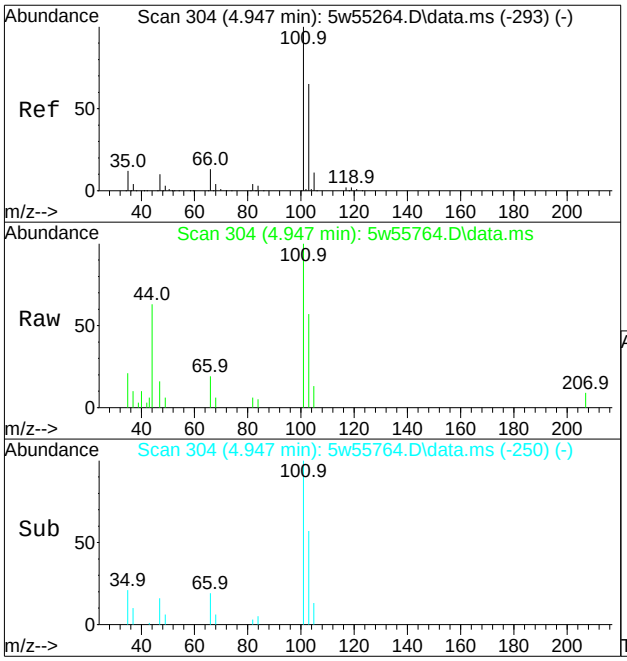




#16
DICHLOROFLUOROMETHANE
Concen: 0.1761 PPBV
RT: 4.427 min Scan# 219
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 67 Resp: 17174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 39.9 | 23.0 | 42.8 |
| 47 | 10.7 | 6.9 | 12.7 |

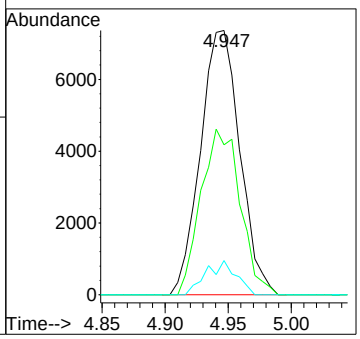


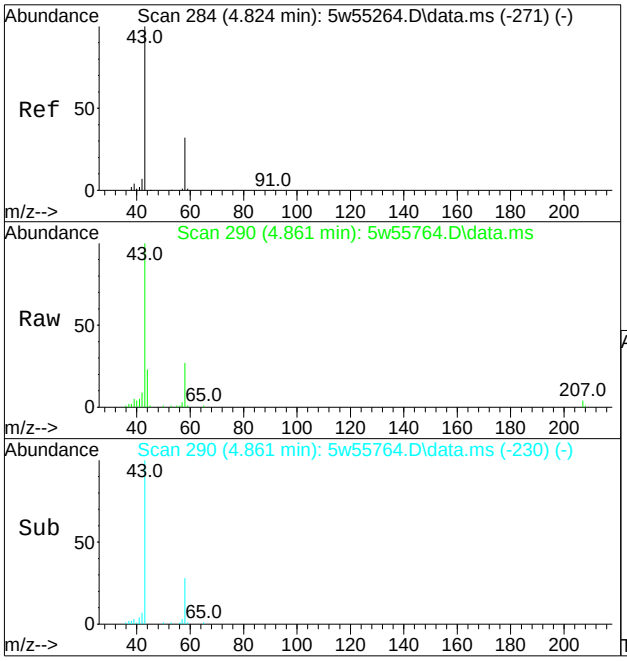



#21
TRICHLOROFLUOROMETHANE
Concen: 0.1817 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:101 Resp: 15963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.4 | 34.7 | 94.7 |
| 105 | 9.9 | 0.0 | 40.5 |

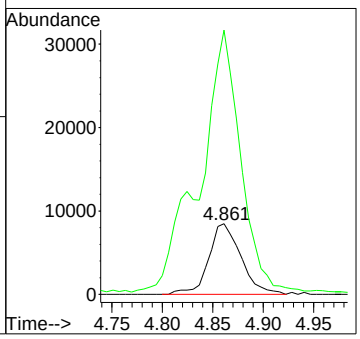


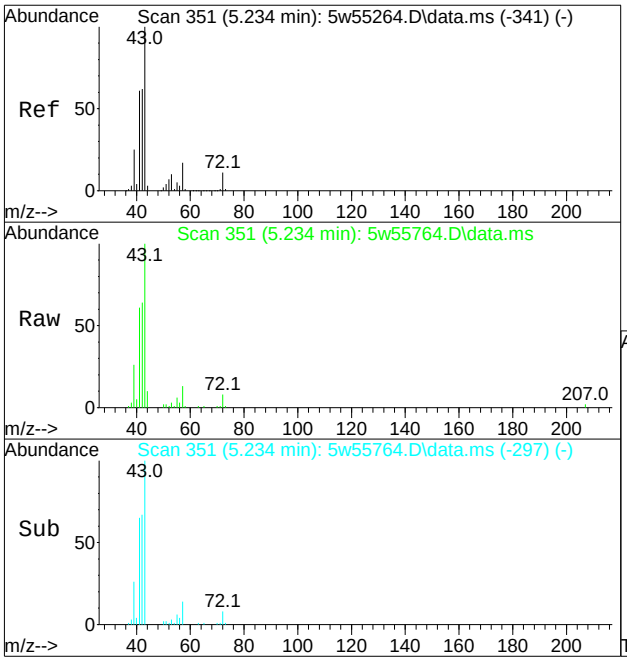




#23
ACETONE
Concen: 0.8971 PPBV
RT: 4.861 min Scan# 290
Delta R.T. 0.037 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 58 Resp: 18828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 491.6 | 312.3 | 372.3# |

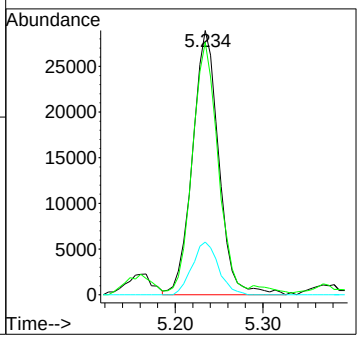


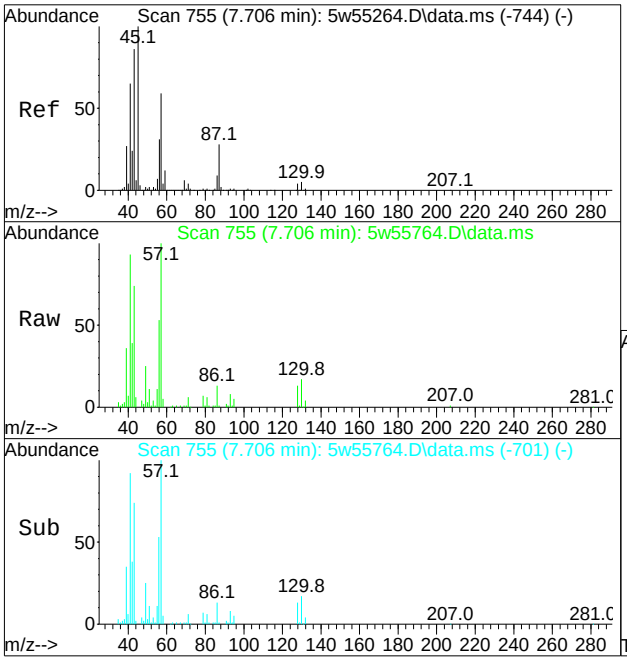



#24
PENTANE
Concen: 2.1808 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 42 Resp: 60318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.6 | 64.4 | 124.4 |
| 57 | 19.9 | 0.0 | 55.0 |

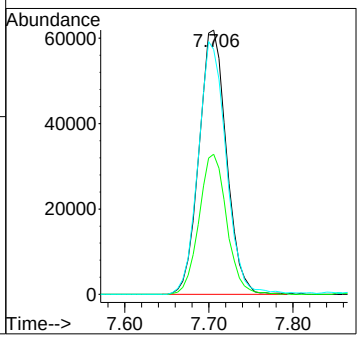


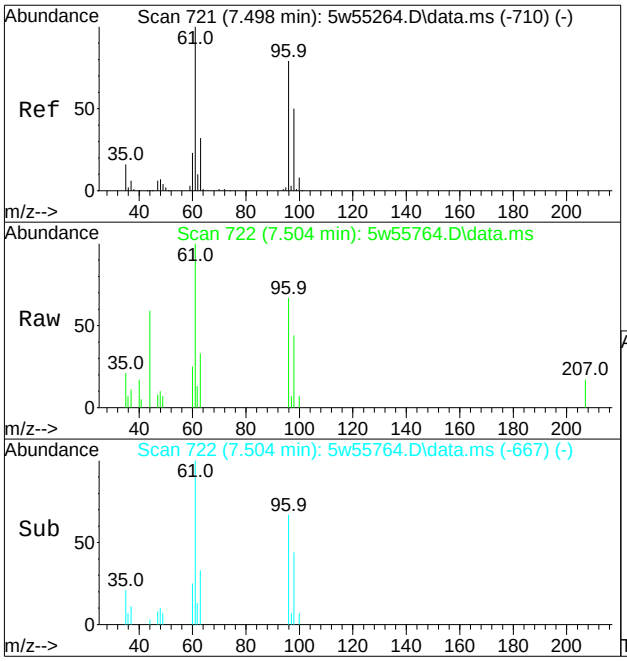




#38
HEXANE
Concen: 3.4536 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 140803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.3 | 24.2 | 84.2 |
| 41 | 97.7 | 92.1 | 152.1 |

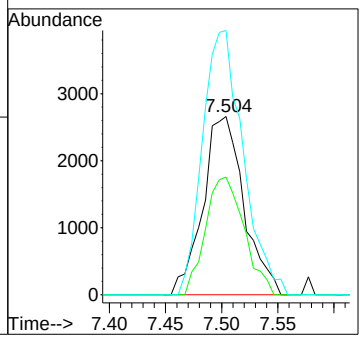


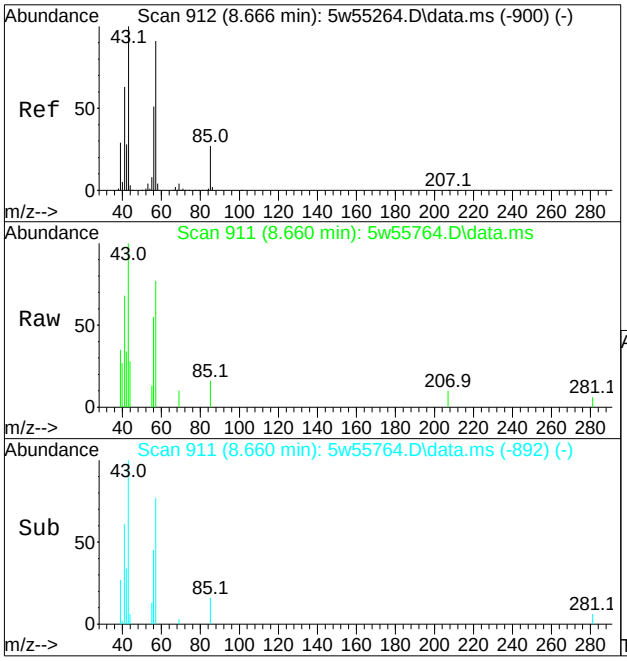



#42
cis-1,2-DICHLOROETHYLENE
Concen: 0.2273 PPBV
RT: 7.504 min Scan# 722
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 96 Resp: 6787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 98 | 61.8 | 33.2 | 93.2 |
| 61 | 146.4 | 107.9 | 167.9 |

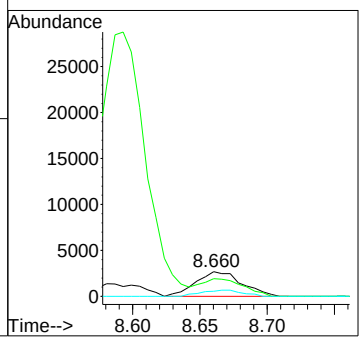


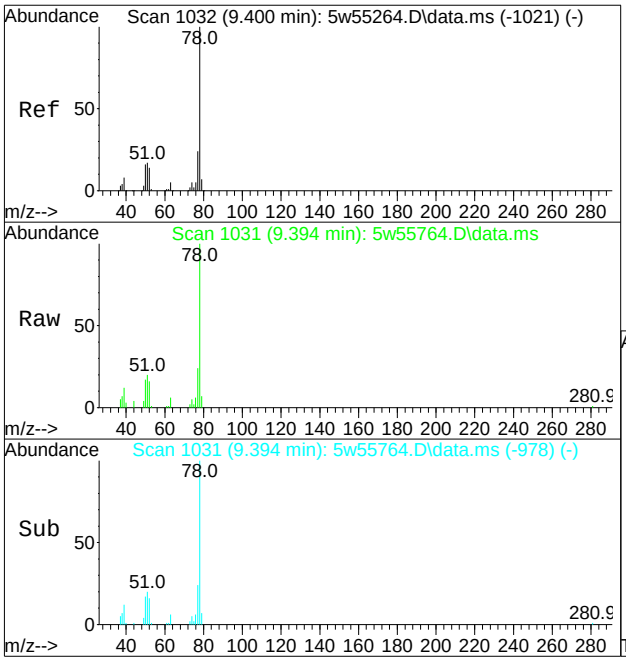




#47
2,4-DIMETHYLPENTANE
Concen: 0.1434 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 6392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 59.4 | 26.4 | 86.4 |
| 85 | 22.6 | 0.0 | 56.0 |

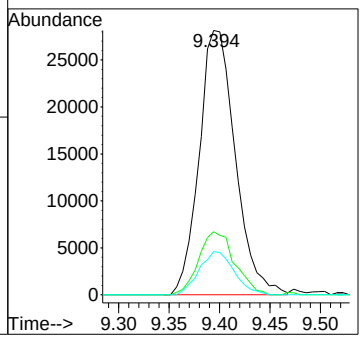


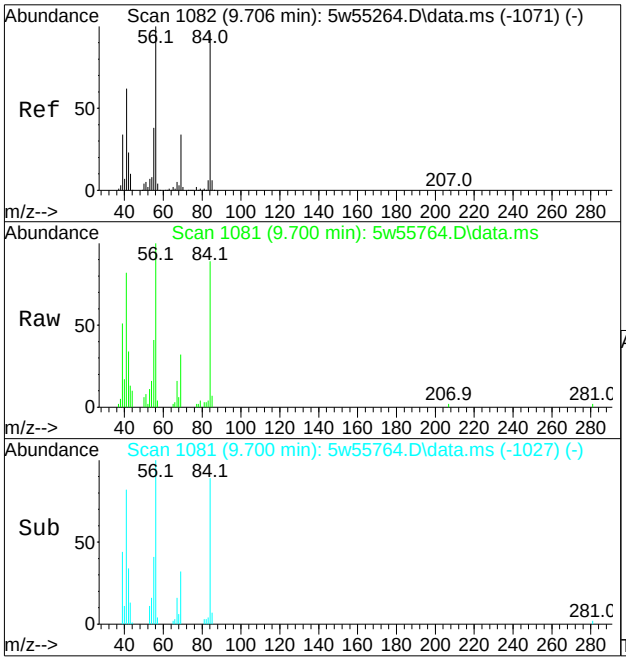



#52
BENZENE
Concen: 0.7544 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 78 Resp: 70157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 0.0 | 54.0 |
| 52 | 15.8 | 0.0 | 45.6 |

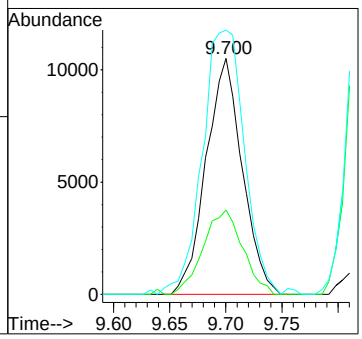


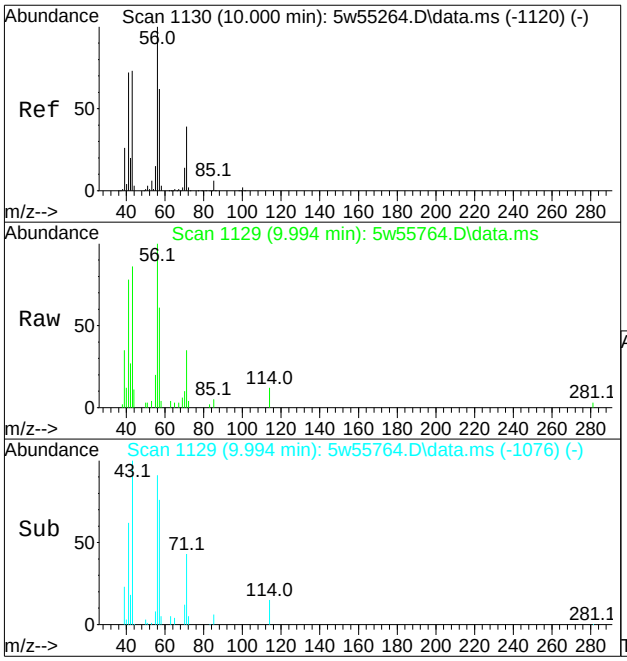




#53
CYCLOHEXANE
Concen: 0.6777 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 84 Resp: 23675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.9 | 7.0 | 67.0 |
| 56 | 130.2 | 86.5 | 146.5 |

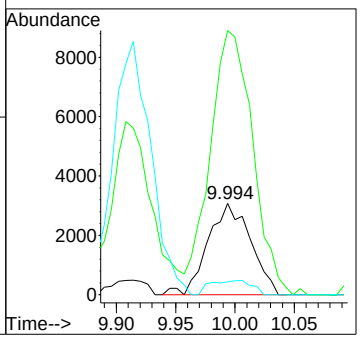


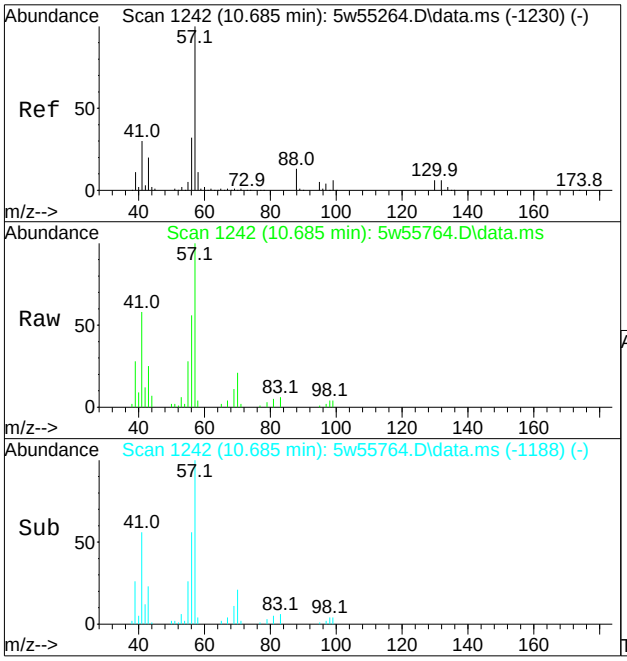



#54
2,3-DIMETHYLPENTANE
Concen: 0.4073 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 71 Resp: 7682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.3 | 235.4 | 295.4 |
| 85 | 15.2 | 0.0 | 45.3 |

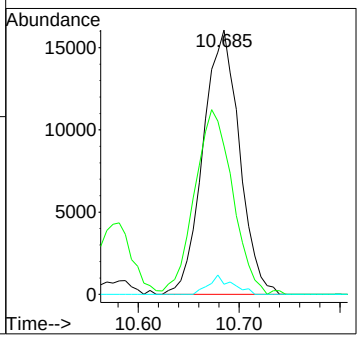


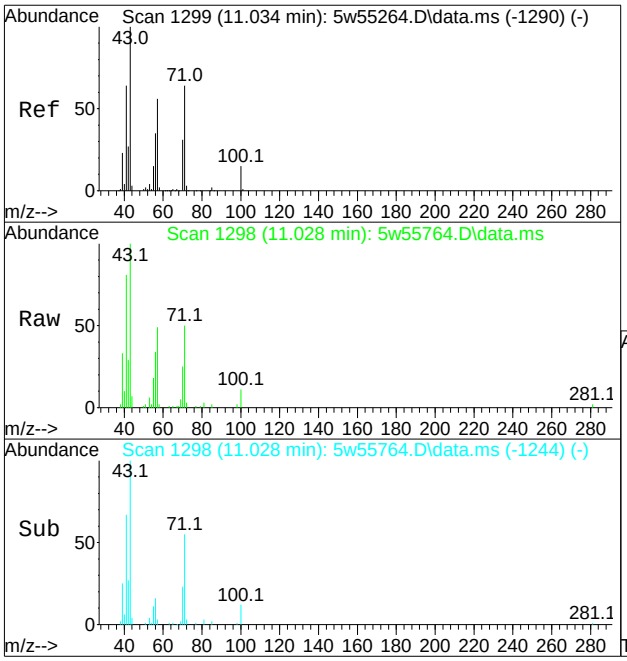




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.2845 PPBV
RT: 10.685 min Scan# 1242
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 57 Resp: 40171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 73.2 | 2.2 | 62.2# |
| 99 | 4.7 | 0.0 | 37.6 |

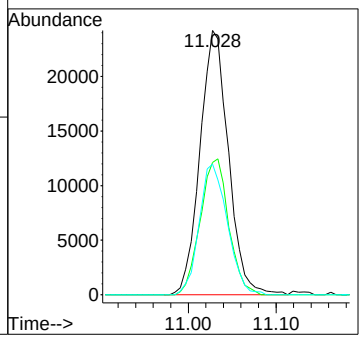


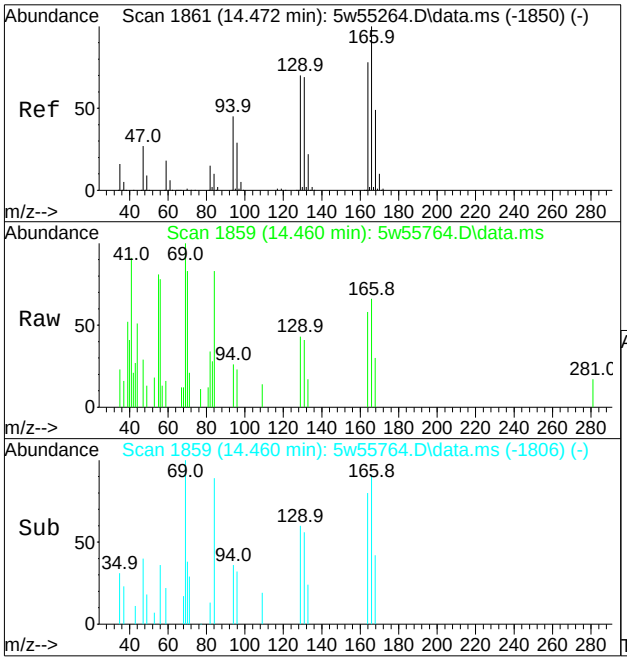



#62
HEPTANE
Concen: 1.1072 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 54615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 51.3 | 27.2 | 87.2 |
| 57 | 49.0 | 22.5 | 82.5 |

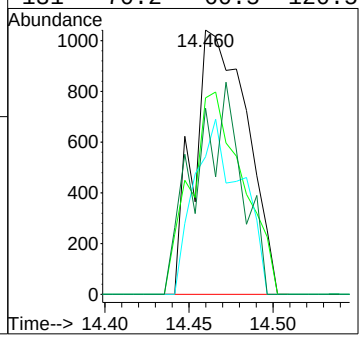


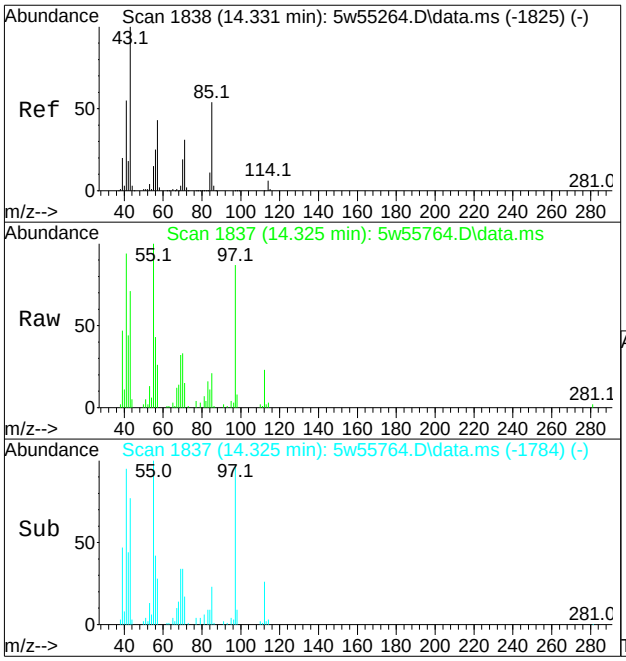




#73
TETRACHLOROETHYLENE
Concen: 0.0459 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:164 Resp: 2299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.4 | 64.4 | 124.4 |
| 168 | 57.9 | 31.2 | 91.2 |
| 131 | 70.2 | 60.5 | 120.5 |

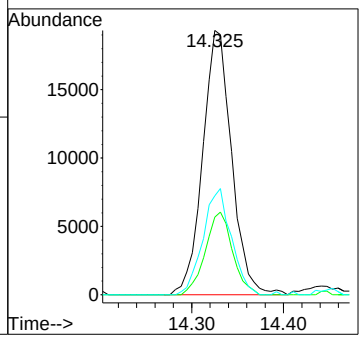


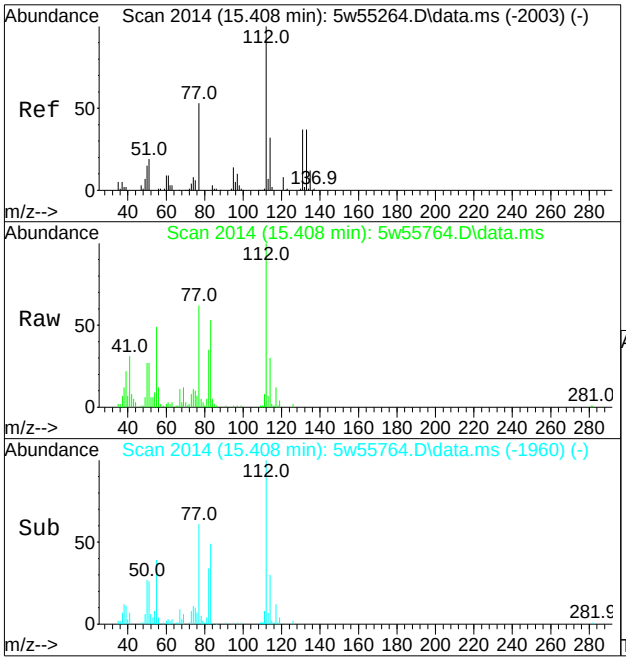



#76
OCTANE
Concen: 0.6309 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 42460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 29.4 | 13.7 | 73.7 |
| 57 | 39.2 | 9.9 | 69.9 |

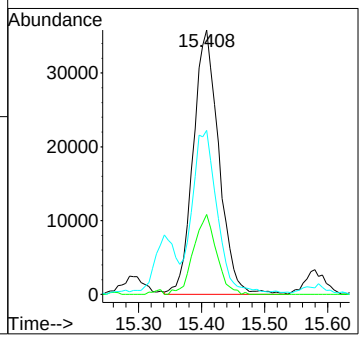


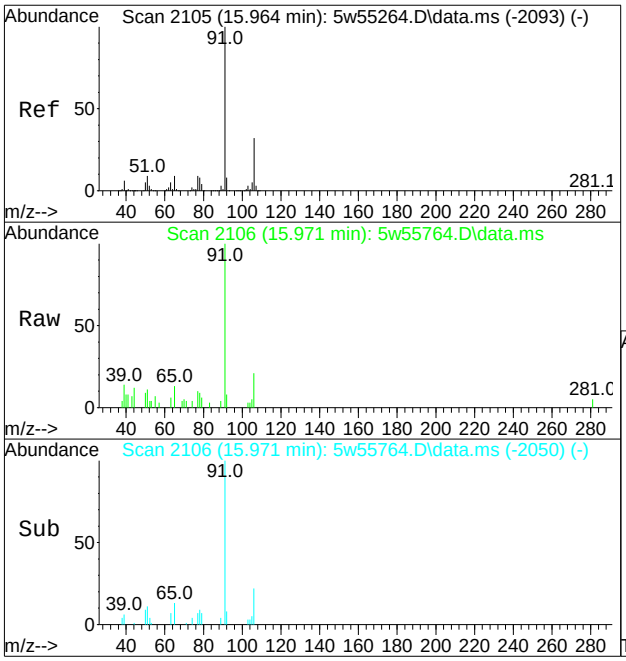




#78
CHLOROBENZENE
Concen: 1.0270 PPBV
RT: 15.408 min Scan# 2014
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:112 Resp: 101307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 27.0 | 2.2 | 62.2 |
| 77 | 60.3 | 30.2 | 90.2 |

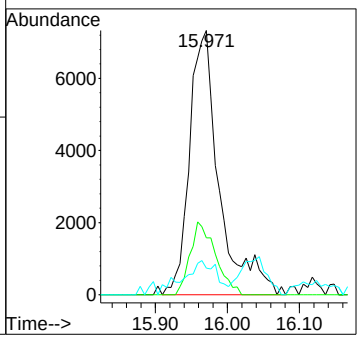


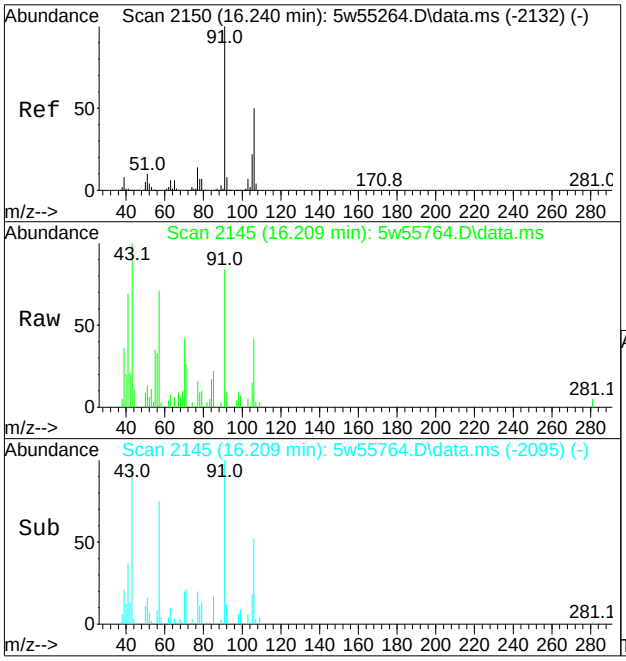



#79
ETHYLBENZENE
Concen: 0.1485 PPBV
RT: 15.971 min Scan# 2106
Delta R.T. 0.012 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 91 Resp: 20981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 23.5 | 0.0 | 59.9 |
| 77 | 14.5 | 0.0 | 39.1 |

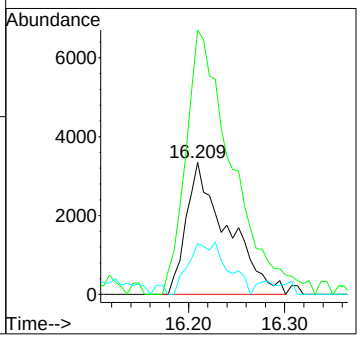


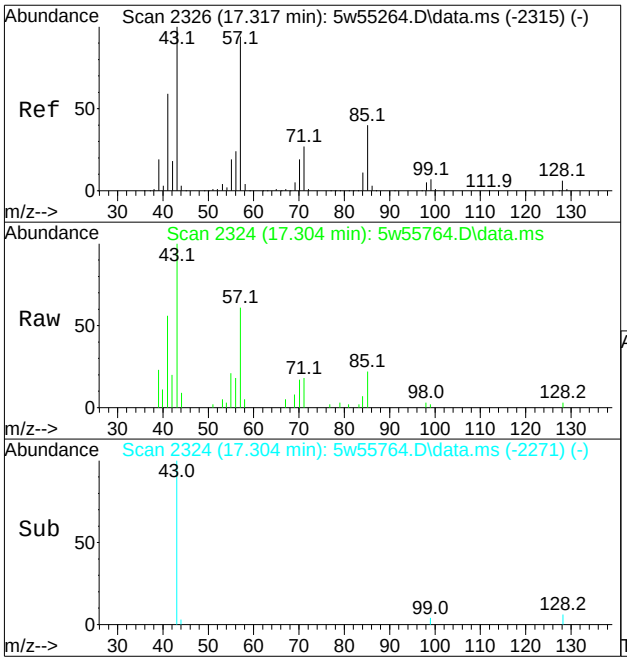




#80
m,p-XYLENE
Concen: 0.1850 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:106 Resp: 9919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.4 | 181.2 | 241.2 |
| 77 | 38.5 | 0.1 | 60.1 |

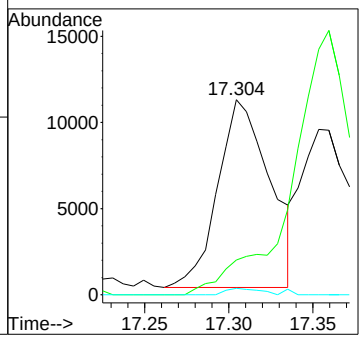


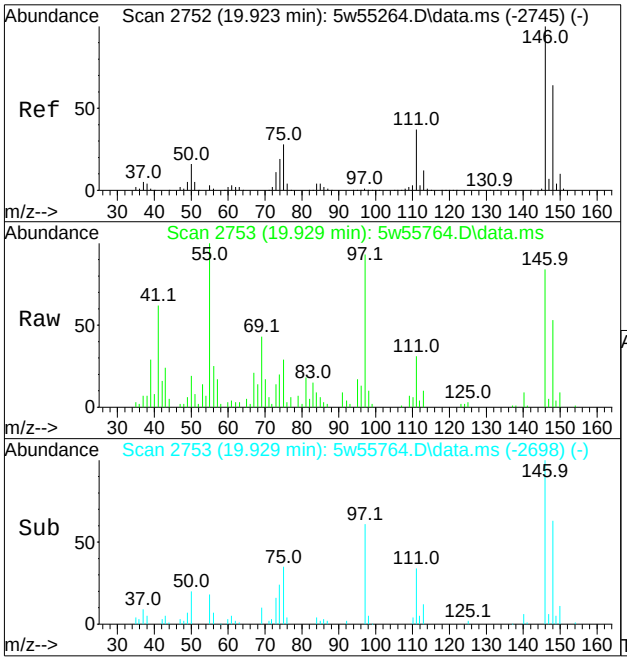



#83
NONANE
Concen: 0.3348 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion: 43 Resp: 23512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 0.0 | 0.0 | 53.8 |
| 128 | 2.2 | 0.0 | 34.3 |

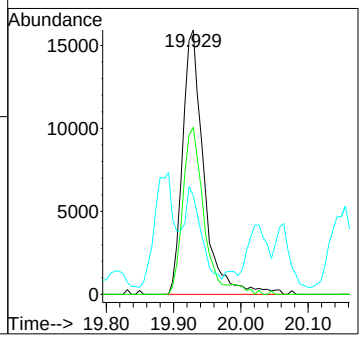


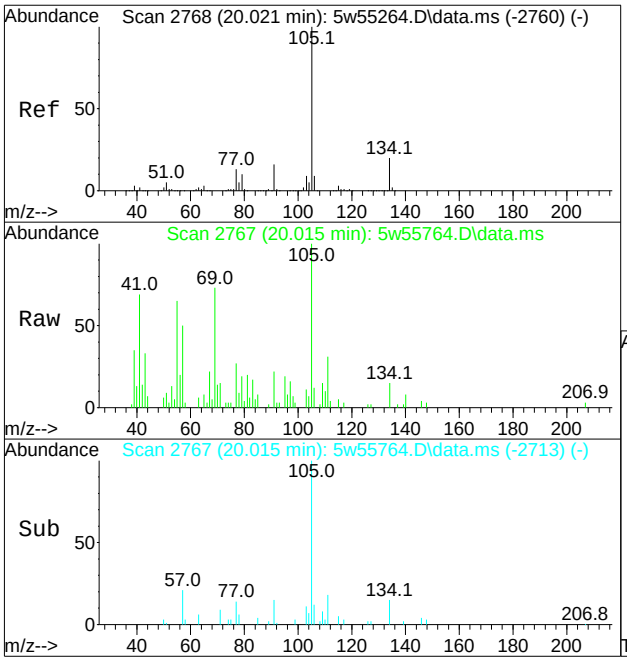




#99
p-DICHLOROBENZENE
Concen: 0.3566 PPBV
RT: 19.929 min Scan# 2753
Delta R.T. 0.006 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:146 Resp: 34934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.6 | 33.7 | 93.7 |
| 111 | 30.1 | 8.5 | 68.5 |

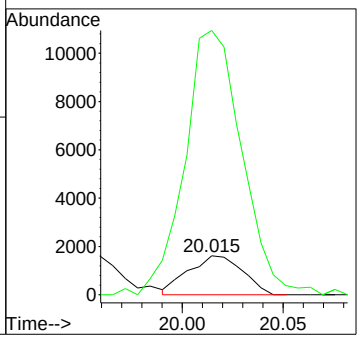





#100
sec-BUTYLBENZENE
Concen: 0.0914 PPBV
RT: 20.015 min Scan# 2767
Delta R.T. 0.000 min
Lab File: 5w55764.D
Acq: 20 Dec 2024 1:06 am

Tgt Ion:134 Resp: 3024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 105 | 717.2 | 539.5 | 599.5# |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

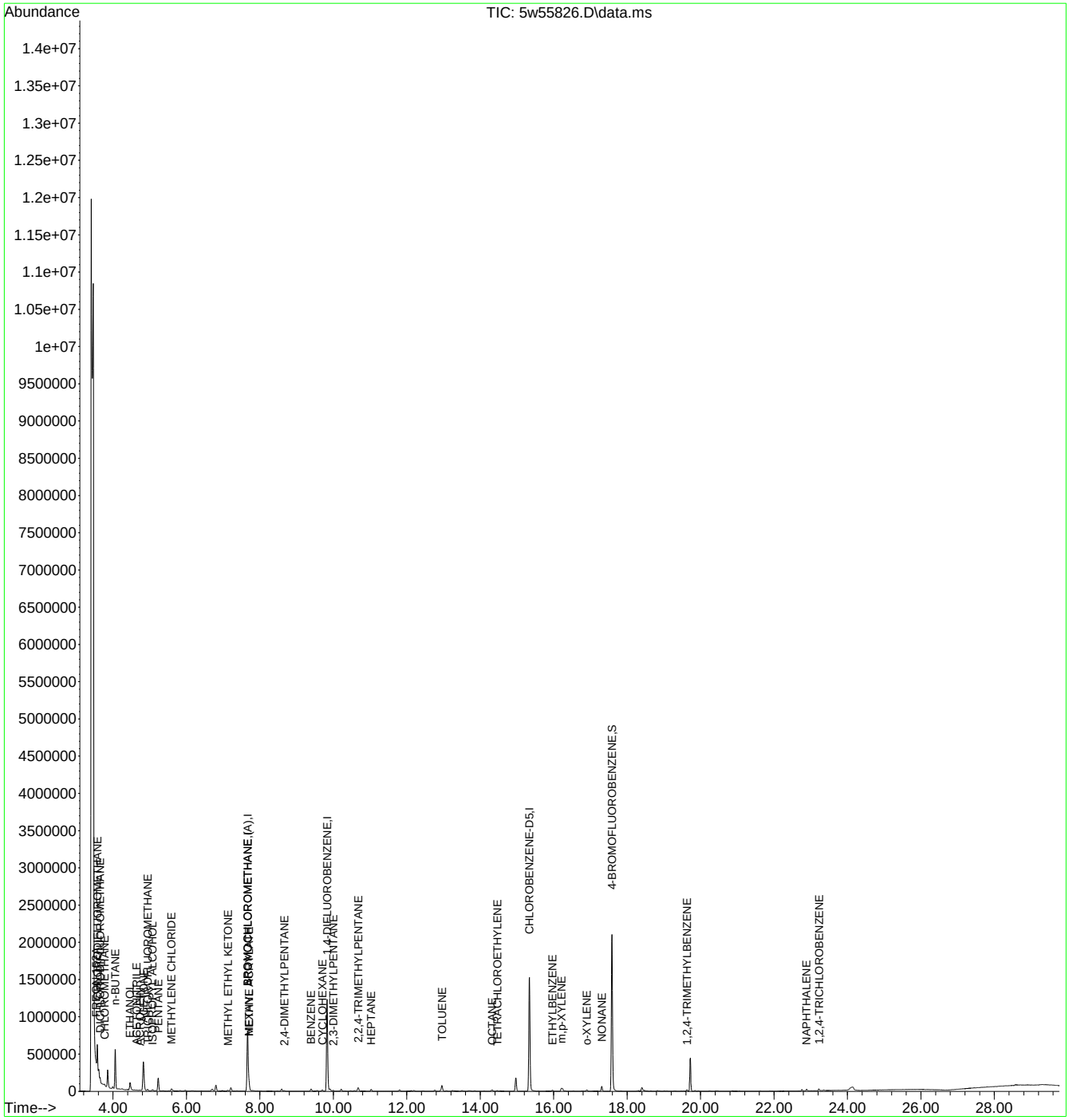
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 217553 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1077292 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 621263 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 217553 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 760224 | 10.93 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.30% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 17612 | 1.0942 | PPBV # | 43 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 70935 | 8.4993 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 33315 | 0.4190 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 4470 | 0.4360 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 439213 | 9.4501 | PPBV # | 94 |
| 17) ACETONITRILE | 4.635 | 41 | 3723 | 0.1387 | PPBV # | 70 |
| 18) ACROLEIN | 4.732 | 56 | 1588 | 0.1355 | PPBV # | 50 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 17117 | 0.2330 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 24215 | 0.5202 | PPBV | 88 |
| 23) ACETONE | 4.836 | 58 | 63014 | 3.5913 | PPBV # | 12 |
| 24) PENTANE | 5.234 | 42 | 77918 | 3.3694 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 128568 | 7.5359 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13335 | 0.5844 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 46133 | 1.3534 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.124 | 72 | 5405 | 0.5728 | PPBV | 88 |
| 45) METHYL ACRYLATE | 7.706 | 55 | 5623 | 0.1357 | PPBV # | 56 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 3784 | 0.1015 | PPBV | 88 |
| 52) BENZENE | 9.394 | 78 | 32183 | 0.4122 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 7334 | 0.2500 | PPBV | 95 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 2176 | 0.1374 | PPBV # | 86 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 42861 | 0.3615 | PPBV | 85 |
| 62) HEPTANE | 11.028 | 43 | 12558 | 0.3032 | PPBV | 91 |
| 66) TOLUENE | 12.961 | 92 | 40482 | 0.7412 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 2473 | 0.0609 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 19766 | 0.3622 | PPBV # | 55 |
| 79) ETHYLBENZENE | 15.964 | 91 | 15737 | 0.1374 | PPBV | 92 |
| 80) m,p-XYLENE | 16.209 | 106 | 24925 | 0.5735 | PPBV | 98 |
| 81) o-XYLENE | 16.901 | 106 | 6839 | 0.1621 | PPBV | 88 |
| 83) NONANE | 17.310 | 43 | 31896 | 0.5601 | PPBV | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 11668 | 0.1080 | PPBV # | 40 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9822 | 0.1428 | PPBV | 95 |
| 108) NAPHTHALENE | 22.884 | 128 | 19361 | 0.1282 | PPBV | 97 |

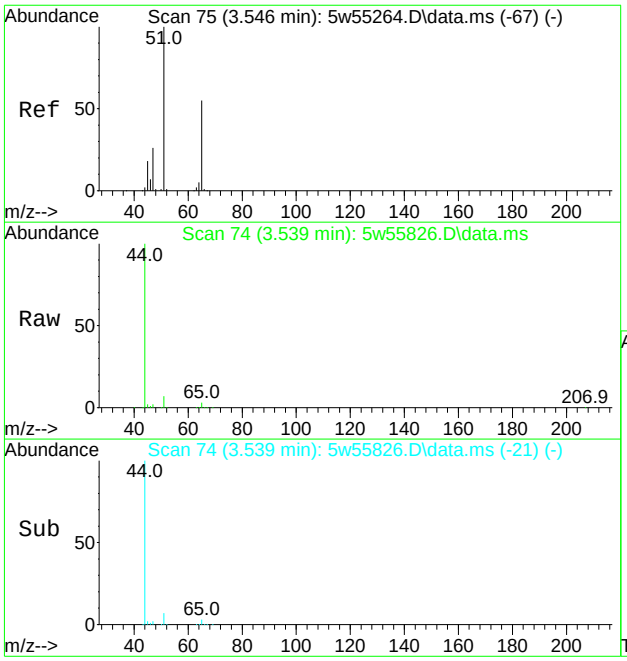
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

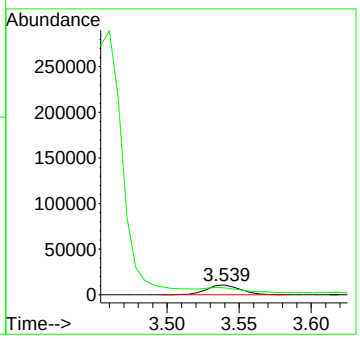


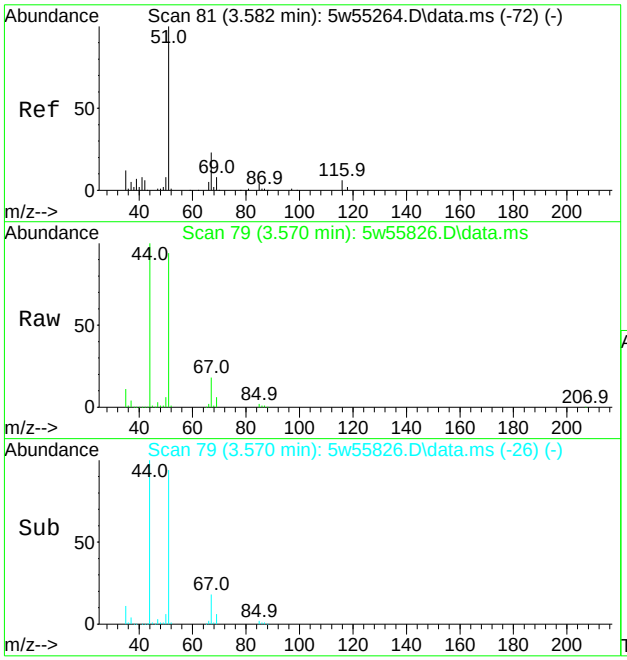



#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

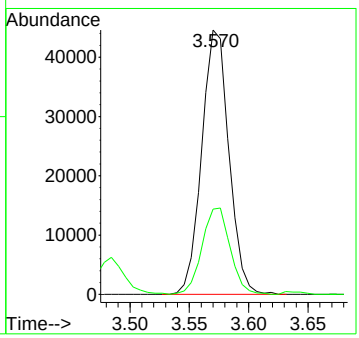


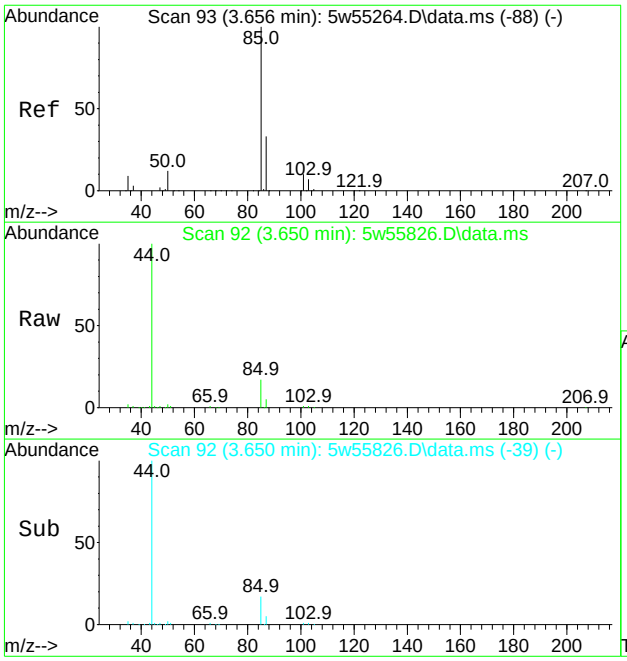




#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.3 | 2.9 | 62.9 |

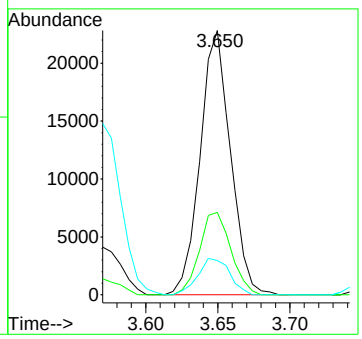


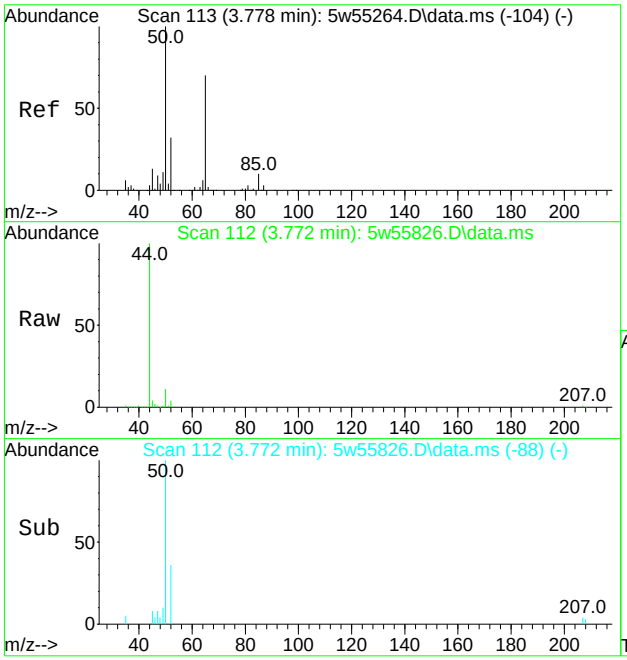



#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 2.6 | 62.6 |
| 50 | 14.5 | 0.0 | 43.0 |

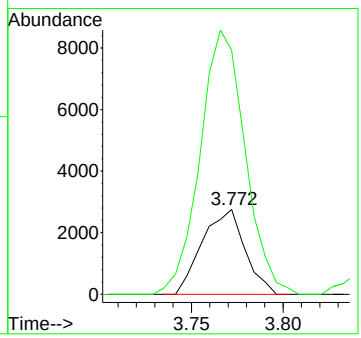


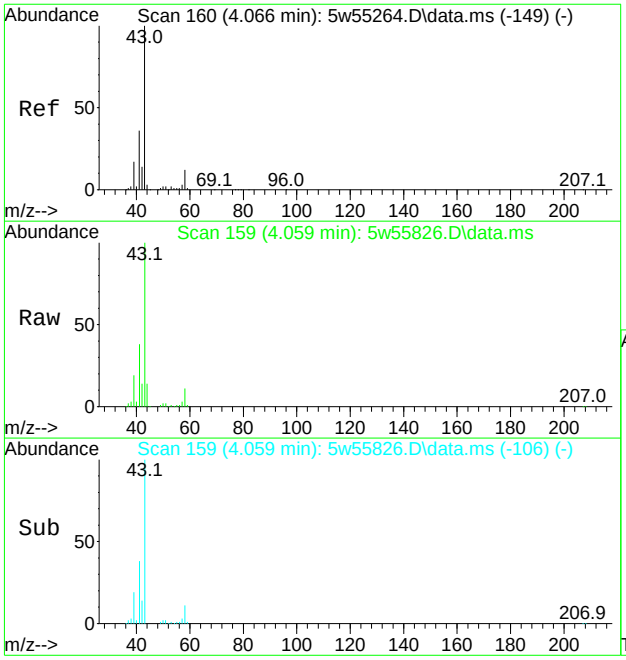




#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 278.9 | 287.9 | 347.9# |

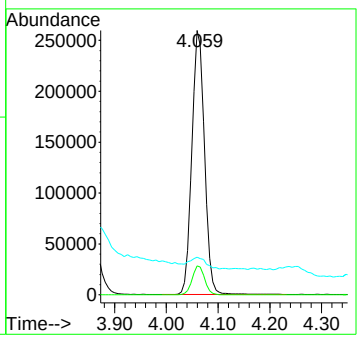


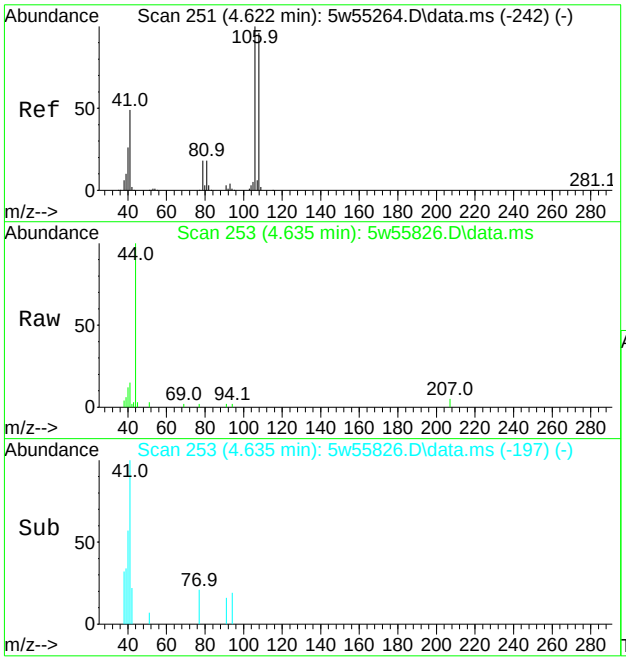



#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

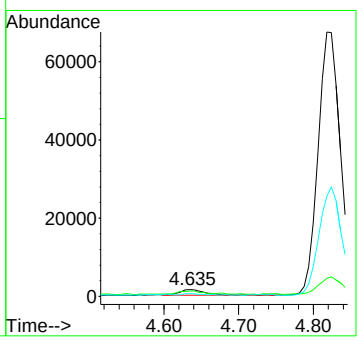


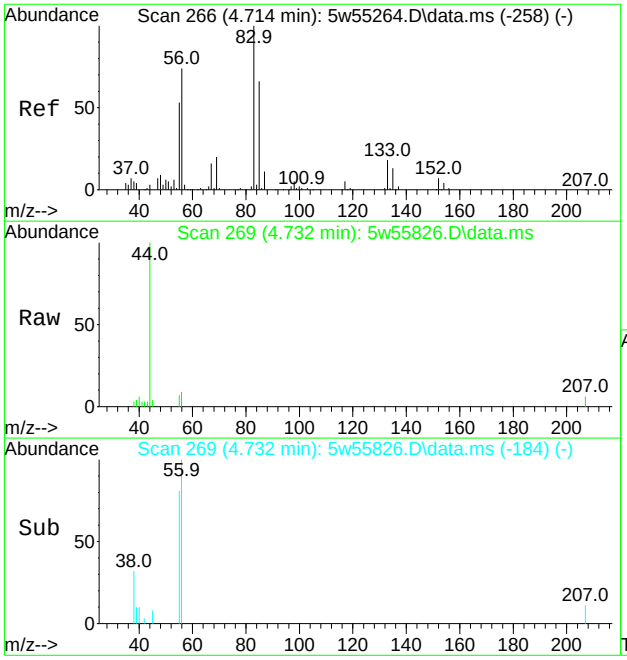




#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 80.2 | 38.4 | 71.4# |
| 39 | 27.1 | 13.7 | 25.5# |

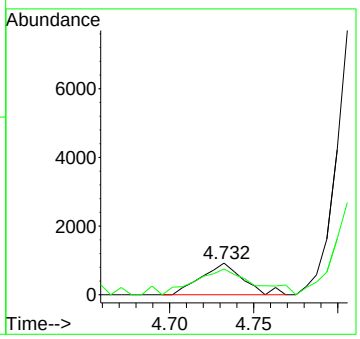


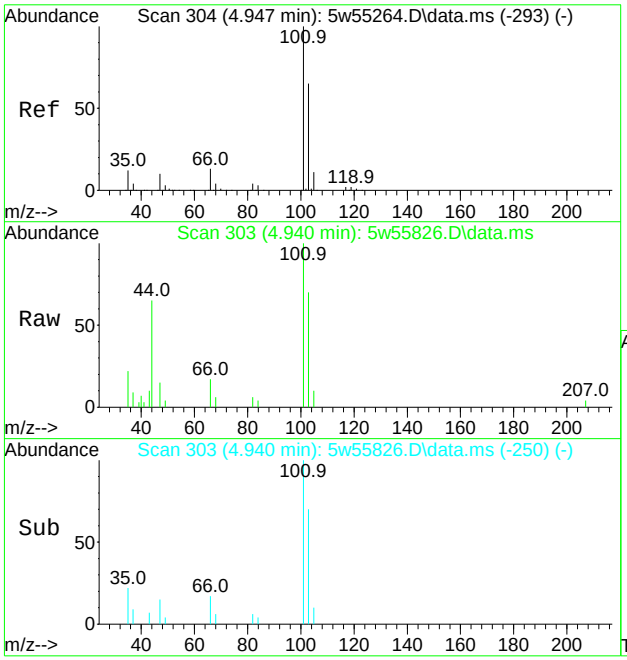



#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 112.4 | 49.8 | 92.6# |

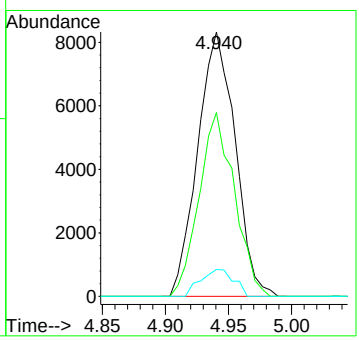


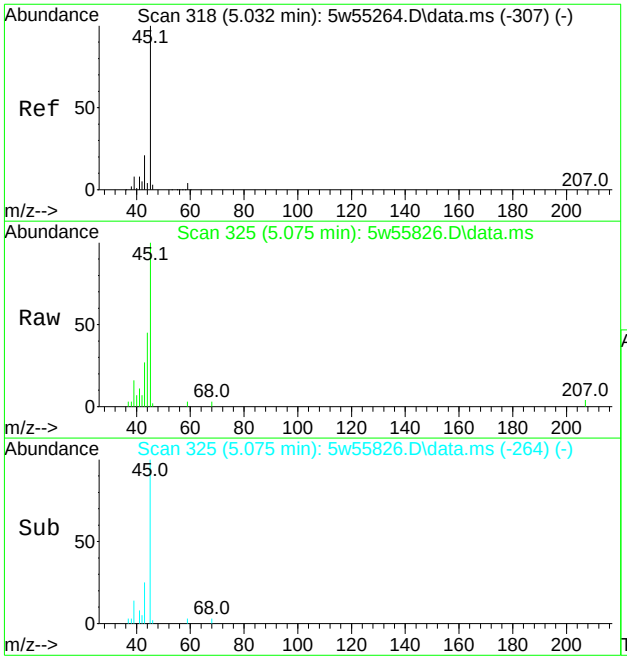




#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.9 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

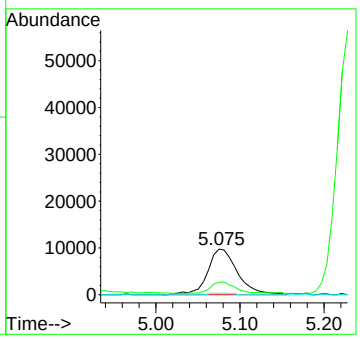


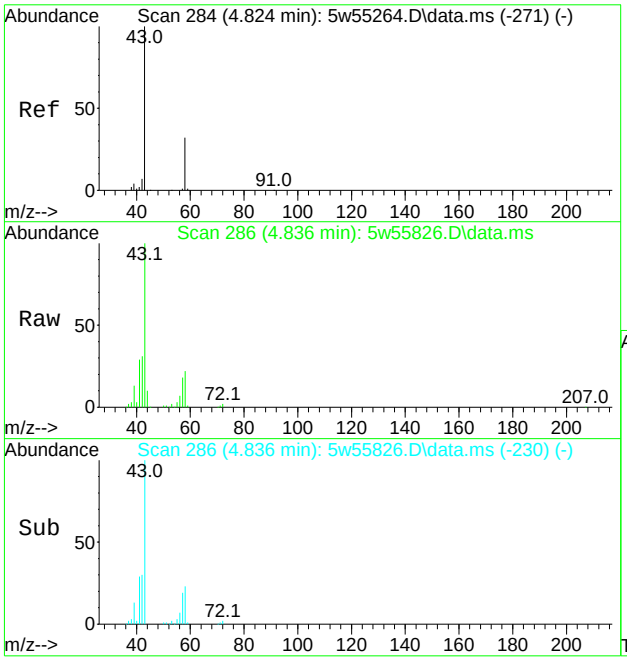



#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.1 | 0.0 | 50.8 |
| 59 | 2.7 | 0.0 | 33.8 |

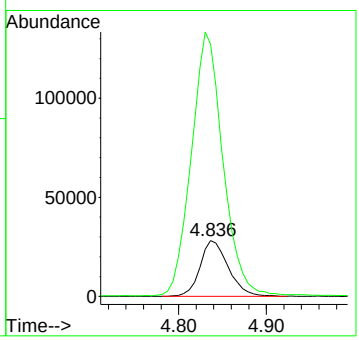


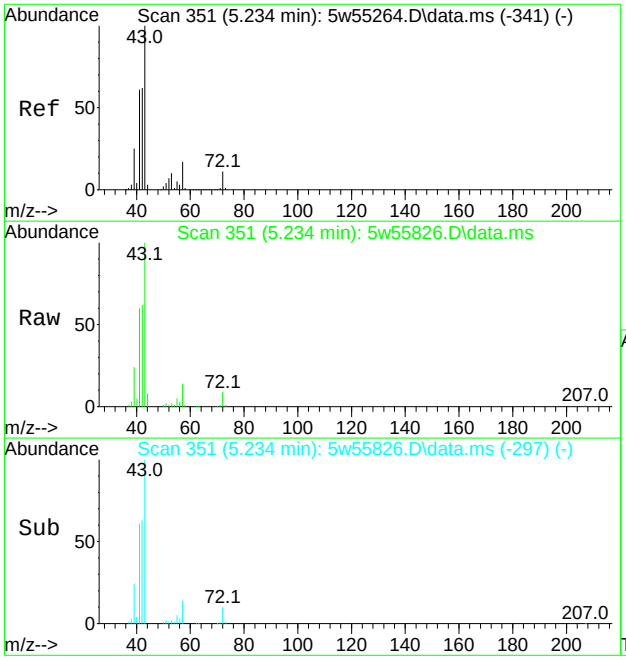




#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 530.6 | 312.3 | 372.3# |

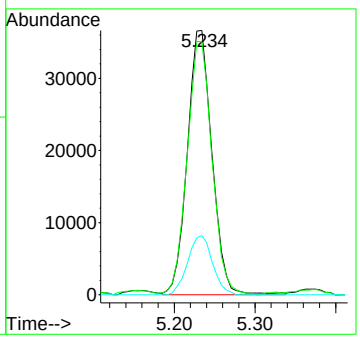


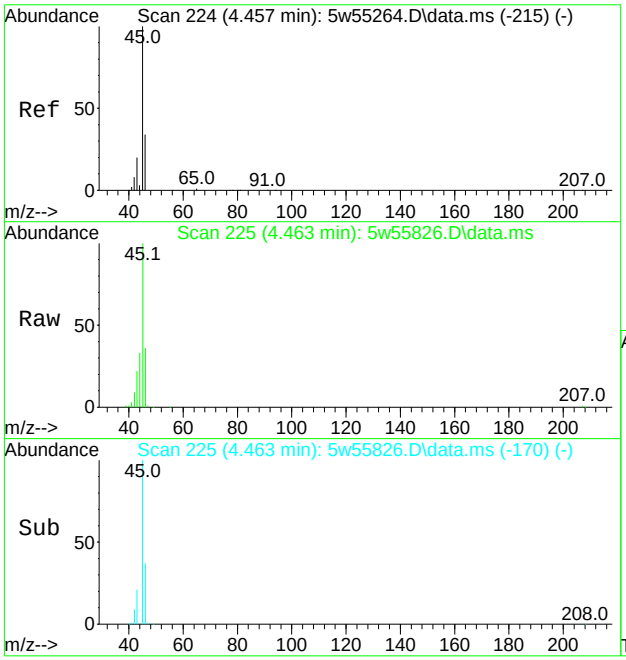



#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.8 | 64.4 | 124.4 |
| 57 | 22.4 | 0.0 | 55.0 |

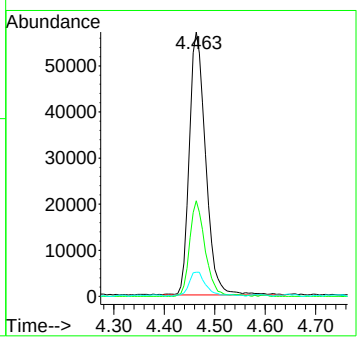


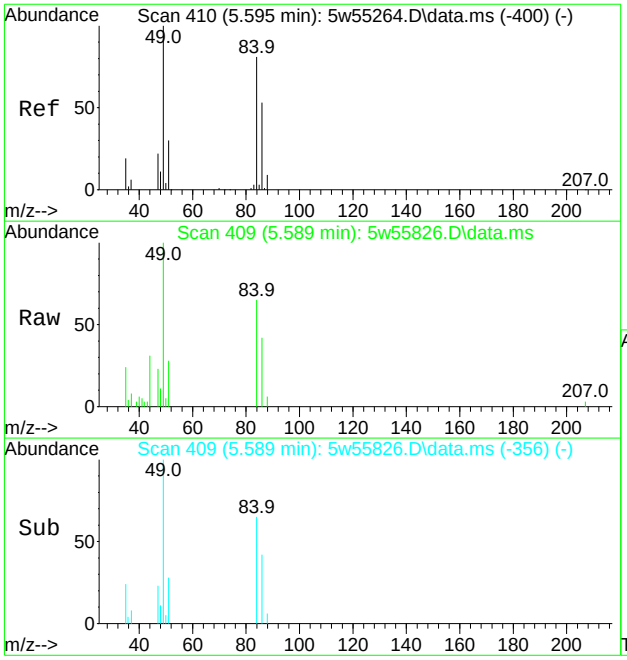




#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 10.1 | 0.0 | 38.6 |

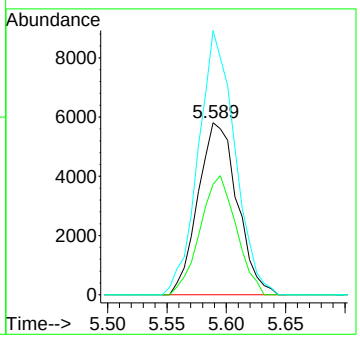


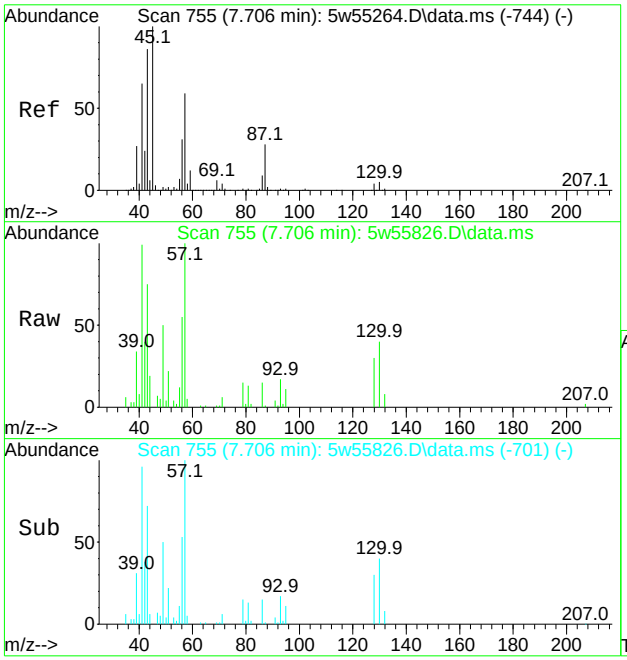



#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.7 | 34.0 | 94.0 |
| 49 | 143.0 | 105.8 | 165.8 |

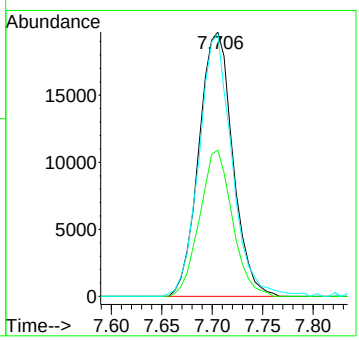


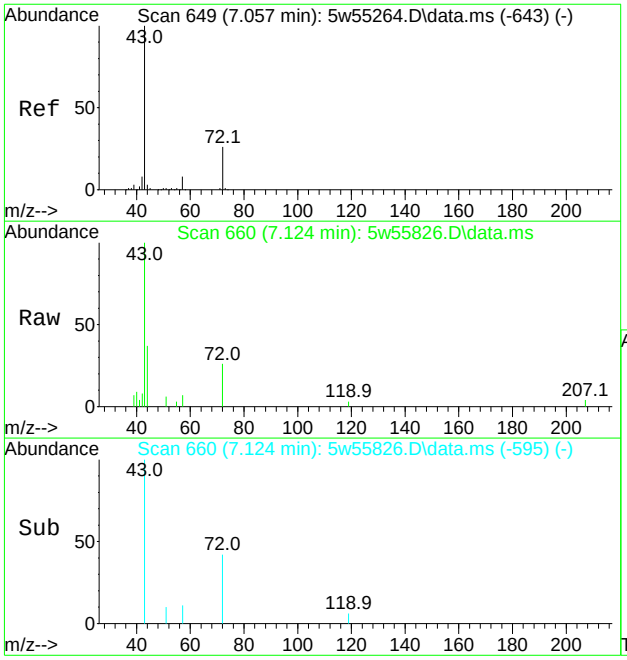




#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.4 | 24.2 | 84.2 |
| 41 | 97.1 | 92.1 | 152.1 |

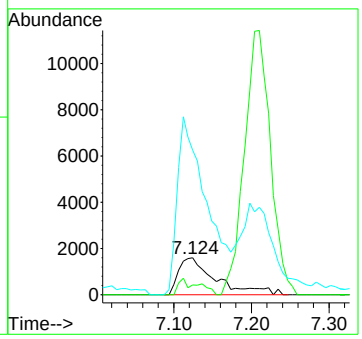


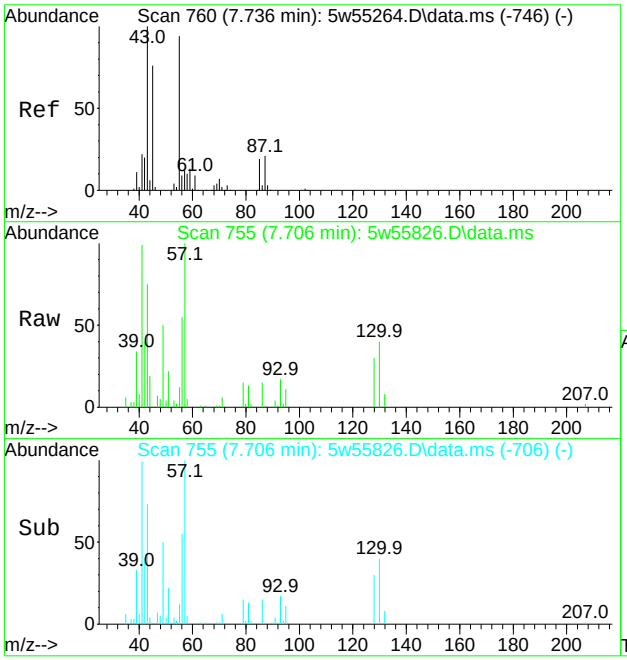



#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 26.9 | 1.1 | 61.1 |
| 43 | 390.7 | 390.6 | 450.6 |

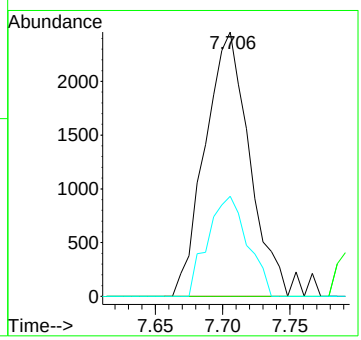


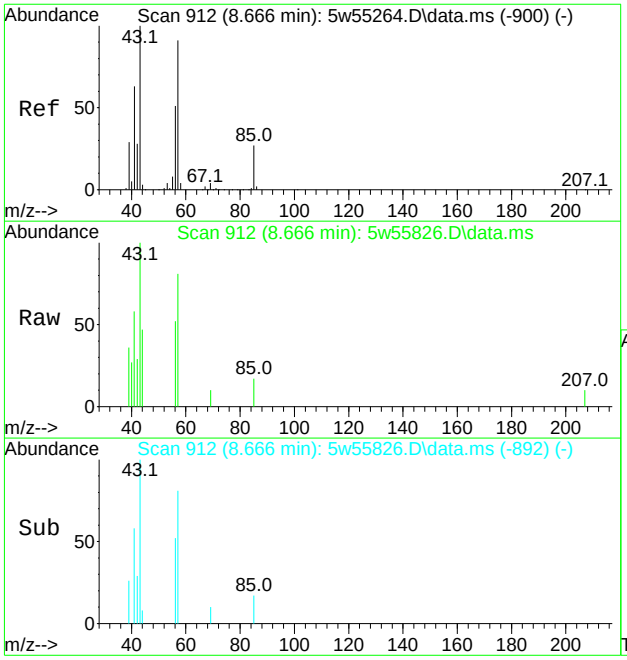




#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 11.4 | 21.2# |
| 58 | 34.2 | 9.7 | 17.9# |

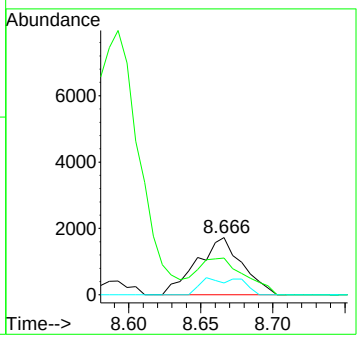


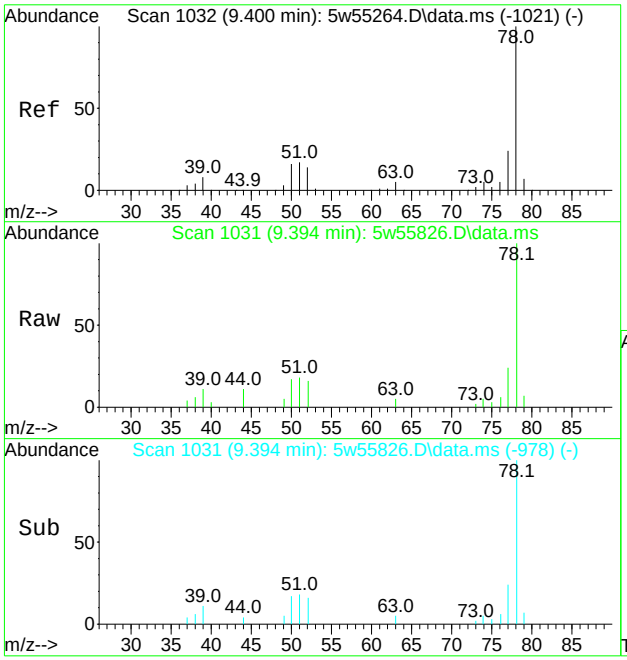



#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 69.1 | 26.4 | 86.4 |
| 85 | 26.3 | 0.0 | 56.0 |

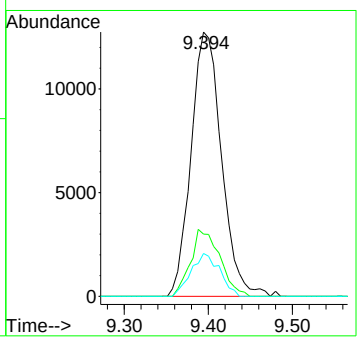


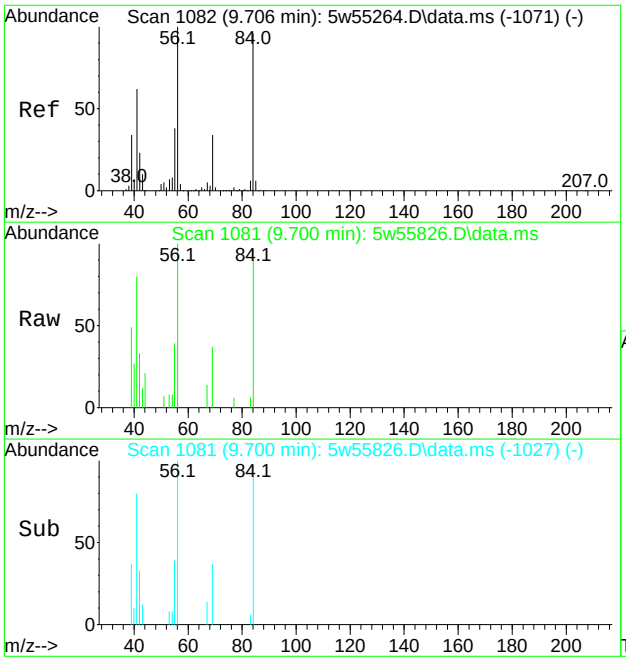




#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 0.0 | 54.0 |
| 52 | 15.2 | 0.0 | 45.6 |

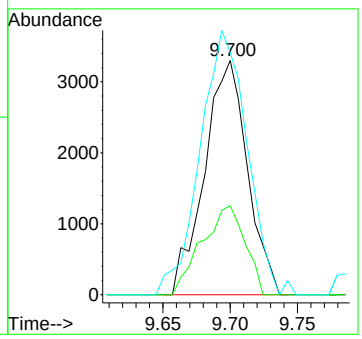


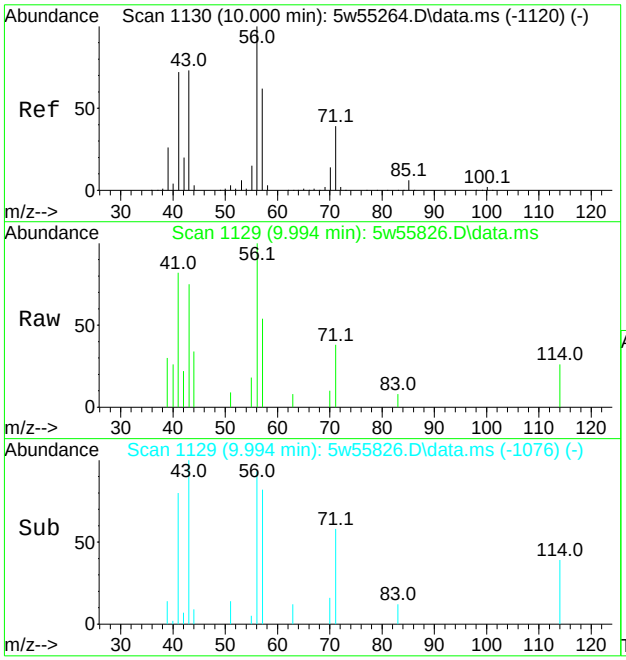



#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.0 | 7.0 | 67.0 |
| 56 | 123.5 | 86.5 | 146.5 |

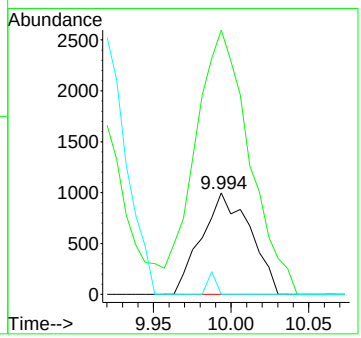


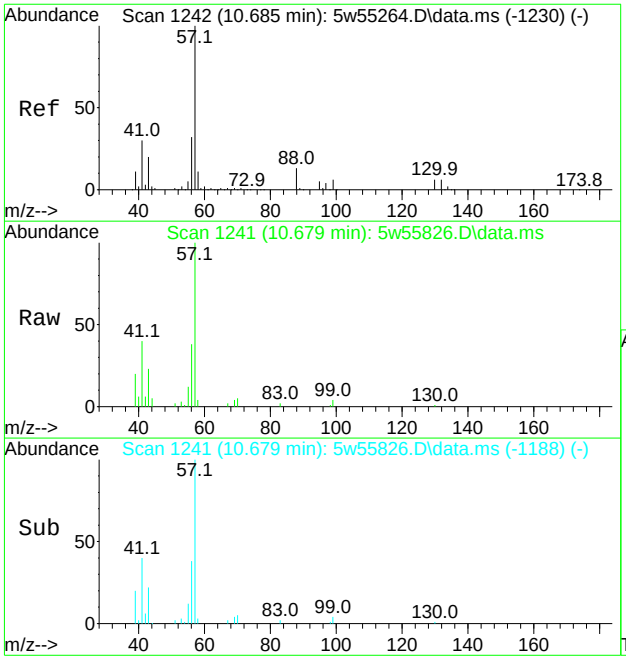




#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.2 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

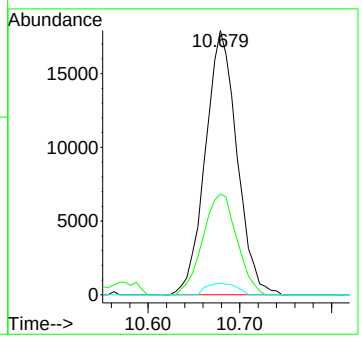


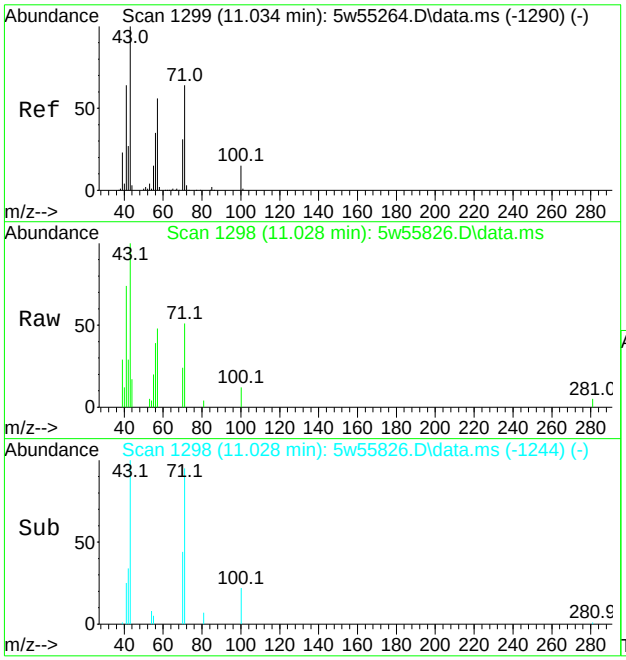



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.2 | 2.2 | 62.2 |
| 99 | 4.1 | 0.0 | 37.6 |

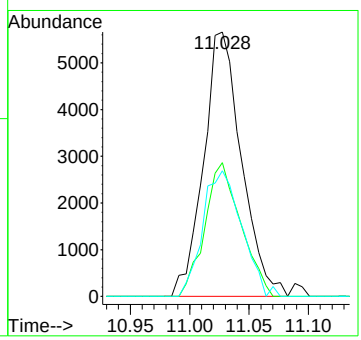


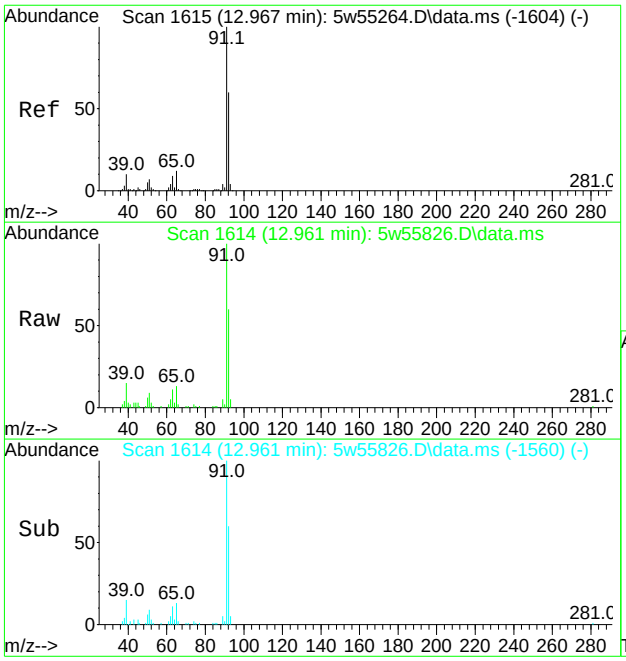




#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 48.0 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

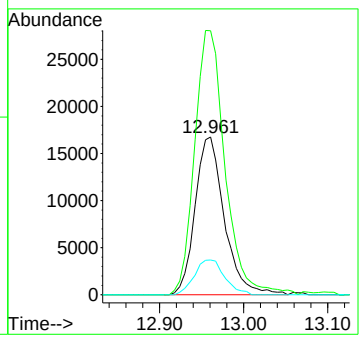


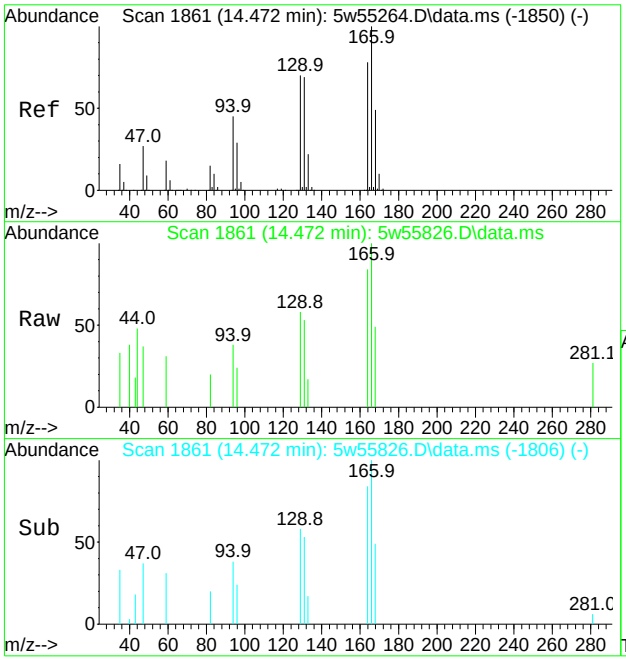



#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.0 | 143.4 | 203.4 |
| 65 | 22.9 | 0.0 | 53.8 |

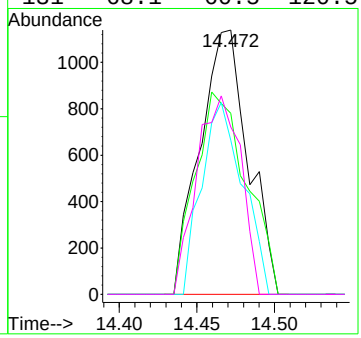


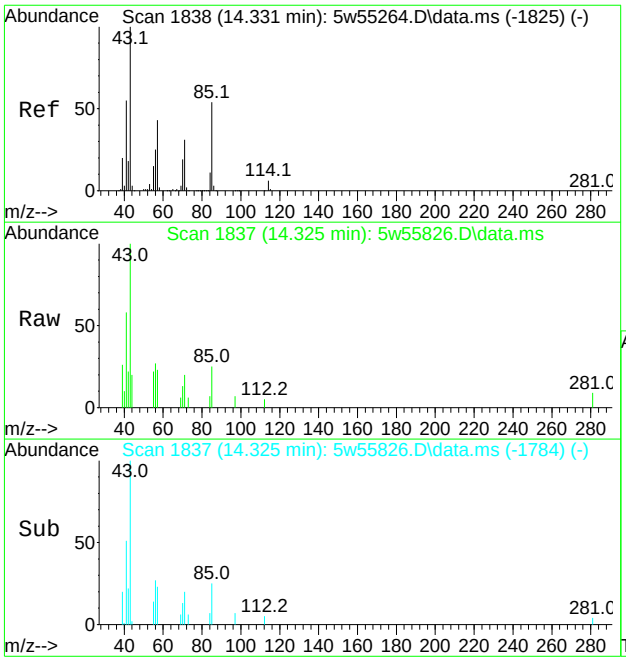




#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 81.1 | 64.4 | 124.4 |
| 168 | 62.3 | 31.2 | 91.2 |
| 131 | 68.1 | 60.5 | 120.5 |

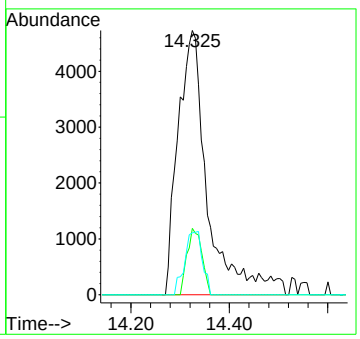


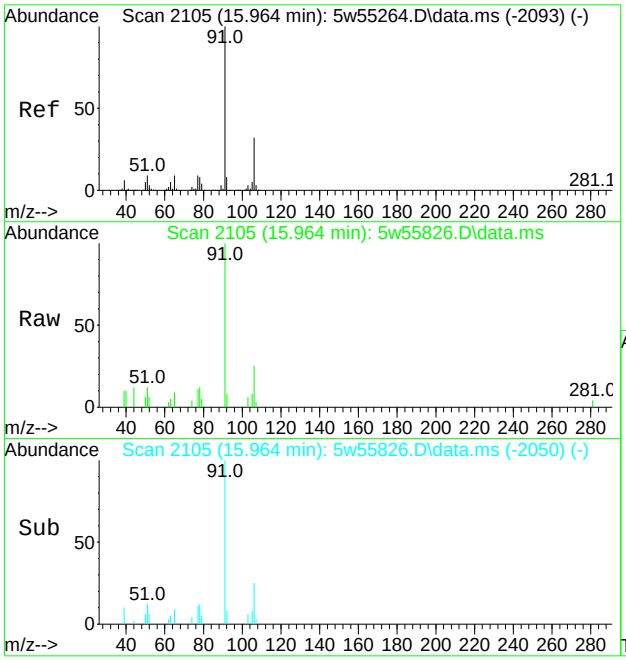



#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 12.6 | 13.7 | 73.7# |
| 57 | 14.3 | 9.9 | 69.9 |

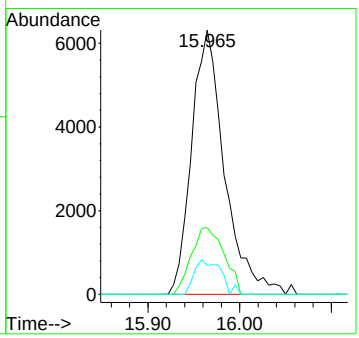


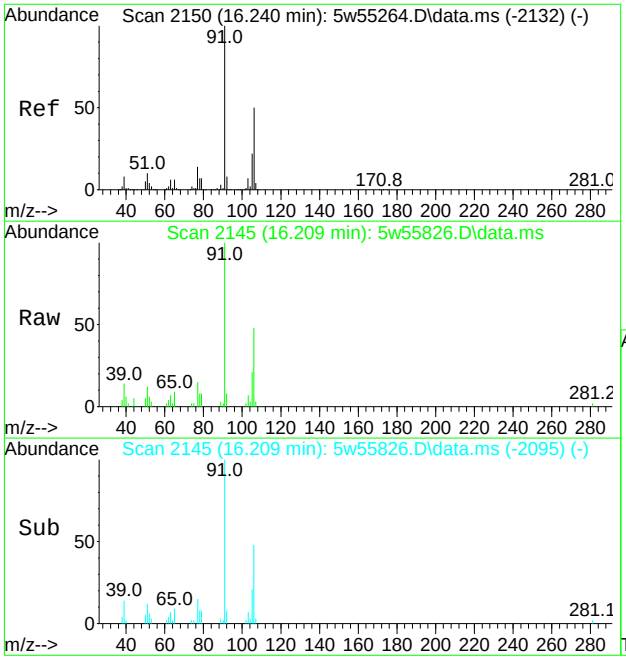




#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.2 | 0.0 | 59.9 |
| 77 | 10.5 | 0.0 | 39.1 |

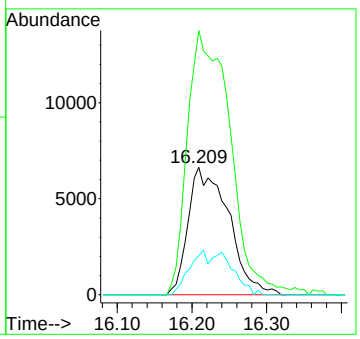


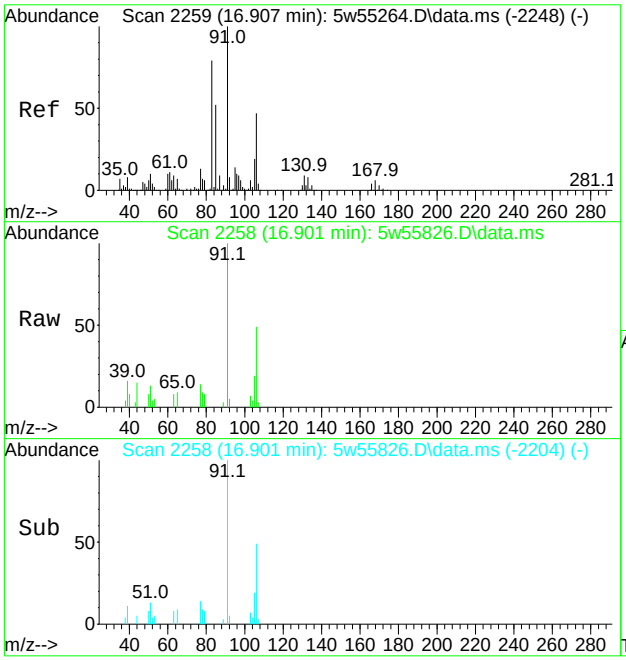



#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 181.2 | 241.2 |
| 77 | 30.6 | 0.1 | 60.1 |

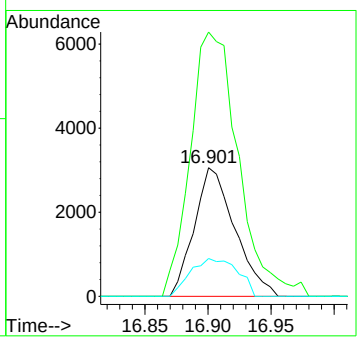


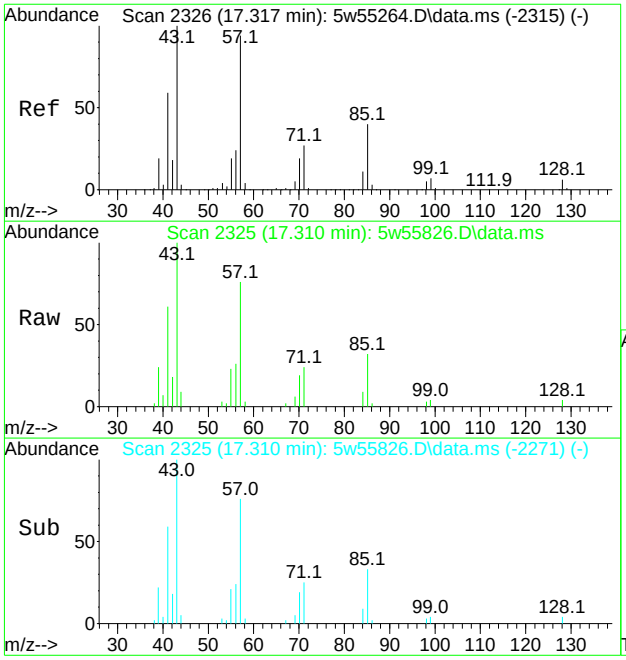




#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 243.0 | 193.4 | 253.4 |
| 77 | 34.1 | 0.0 | 59.8 |

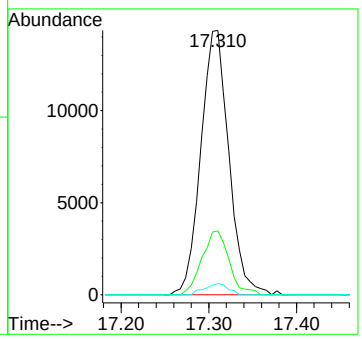


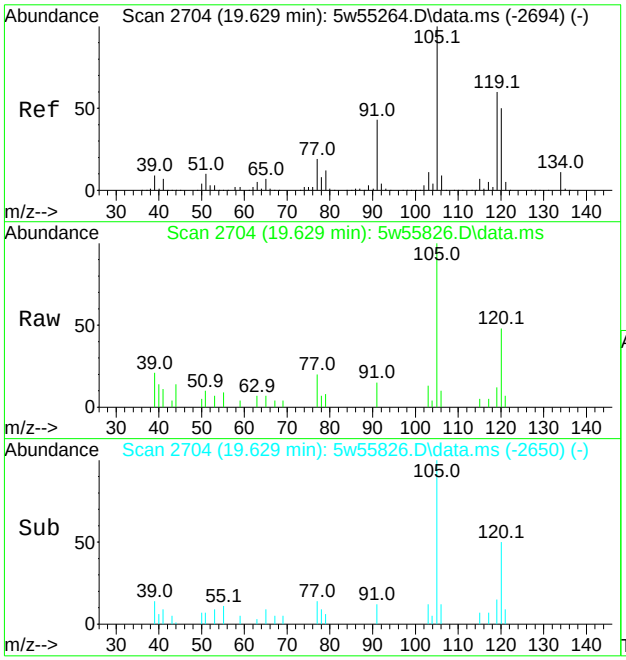



#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 23.4 | 0.0 | 53.8 |
| 128 | 3.6 | 0.0 | 34.3 |

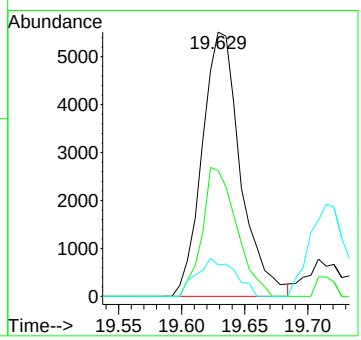


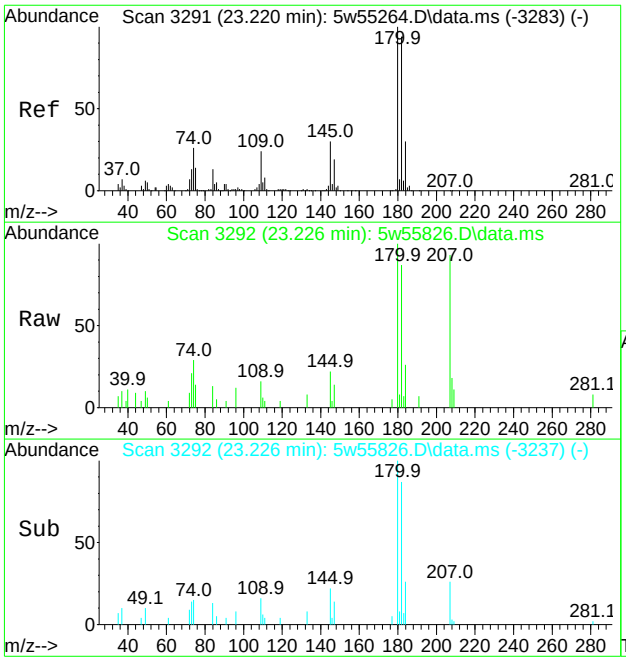




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.6 | 82.6 |
| 119 | 14.3 | 69.7 | 129.7# |

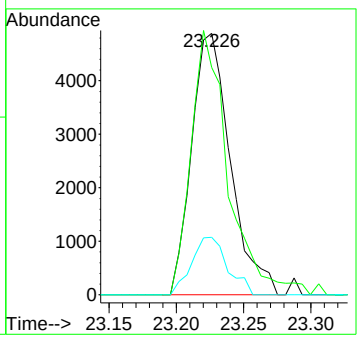


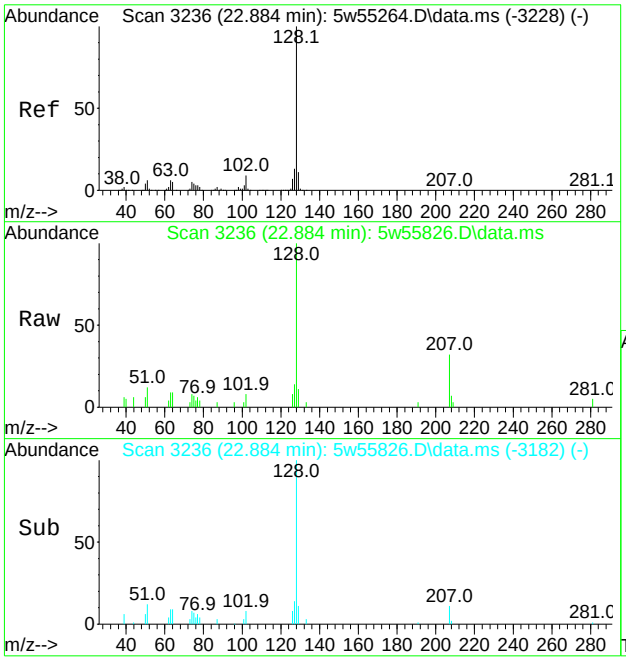



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 66.4 | 126.4 |
| 145 | 20.4 | 0.2 | 60.2 |

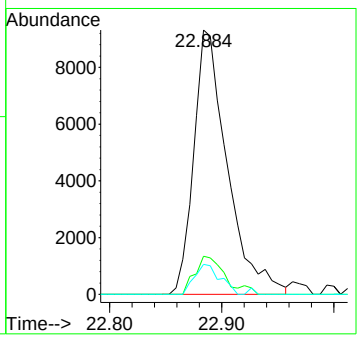



#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 0.0 | 43.1 |
| 129 | 8.7 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88797.d
Acq On : 20 Sep 2024 3:46 am
Operator : thomash
Sample : scc(a852),cp12875 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 20 08:14:23 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 54473 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 280242 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 145606 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 54473 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 165039 | 9.32 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 93.20% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

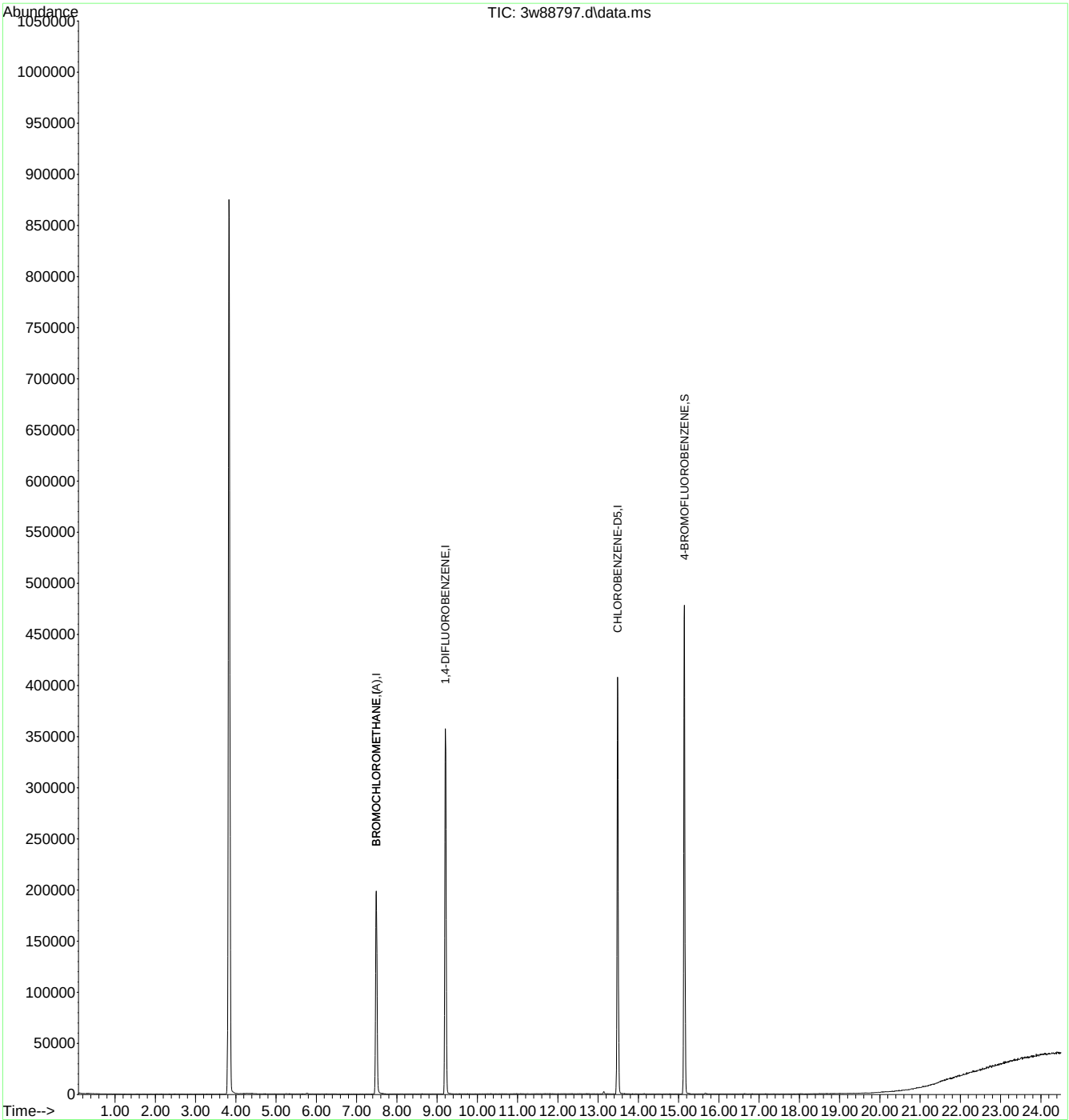
7.5.1

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88797.d
Acq On : 20 Sep 2024 3:46 am
Operator : thomash
Sample : scc(a852),cp12875 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 20 08:14:23 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 58595 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 297956 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 266975 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 58595 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 182568 | 9.32 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

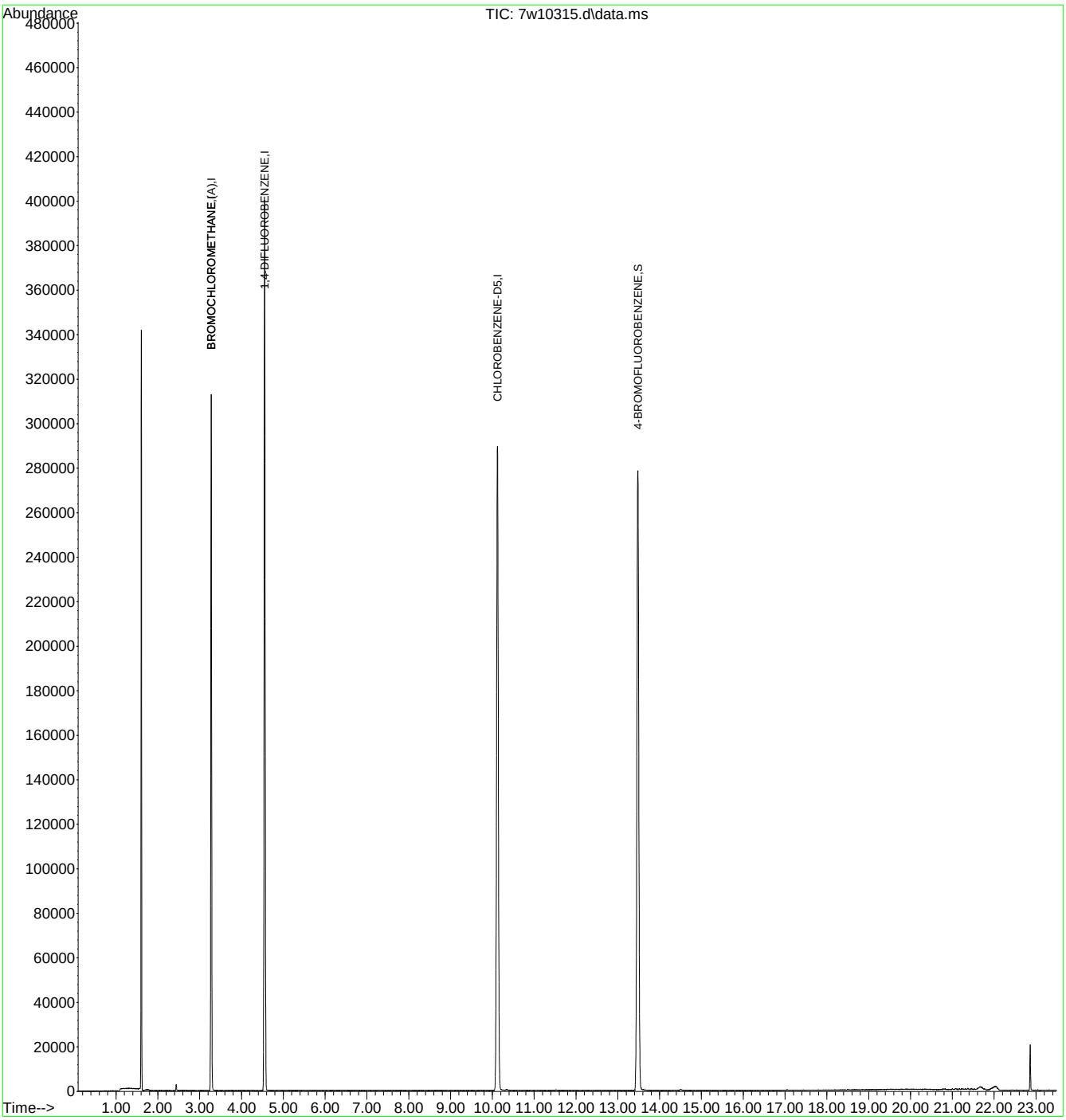
7.5.2

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10315.d
Acq On : 6 Nov 2024 8:23 pm
Operator : thomash
Sample : scc(a276),cp12909 Inst : MS7W
Misc : MS86734,v7w379,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 07 04:28:42 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

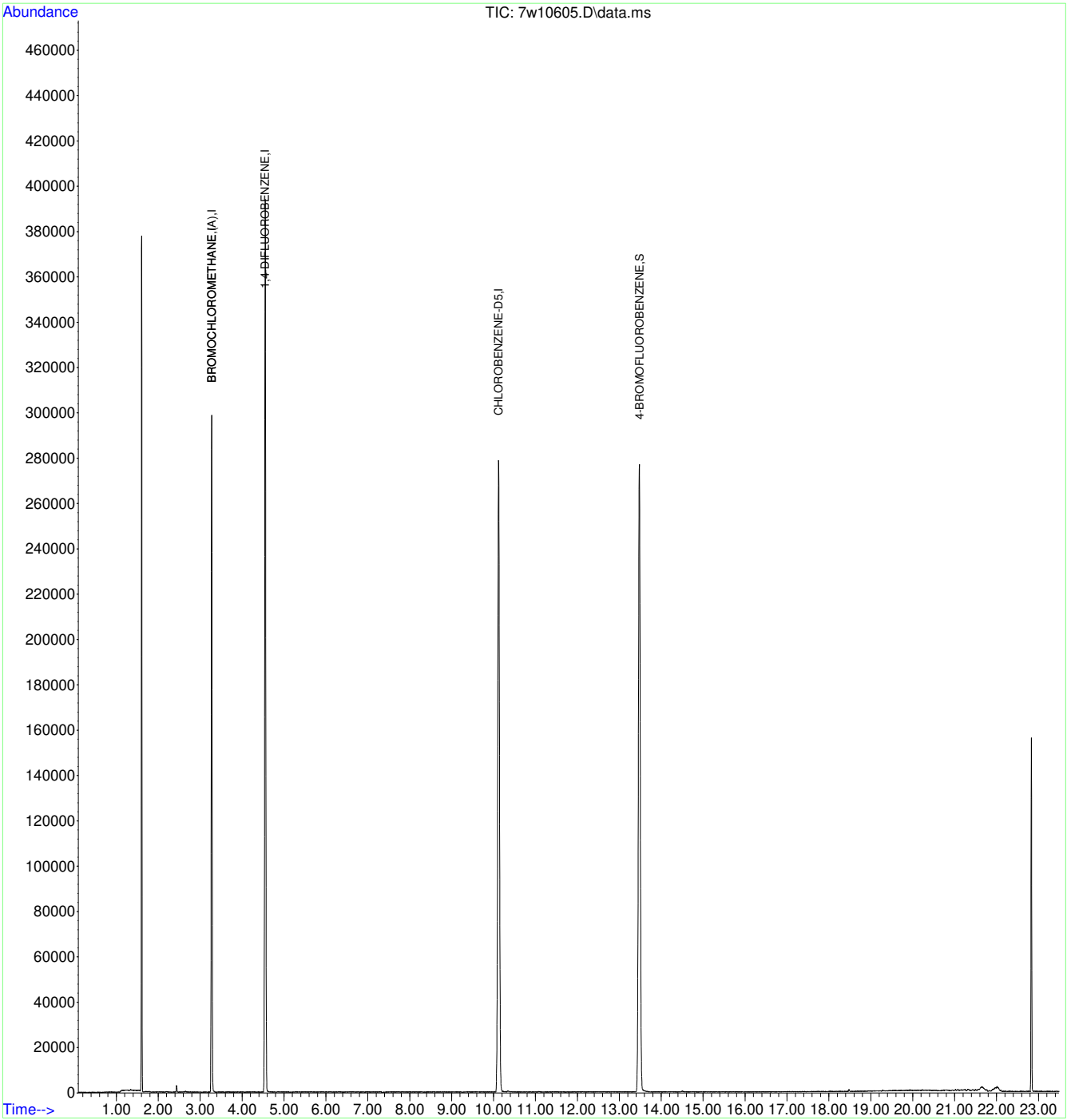
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 303415 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 282366 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 175288 | 8.46 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

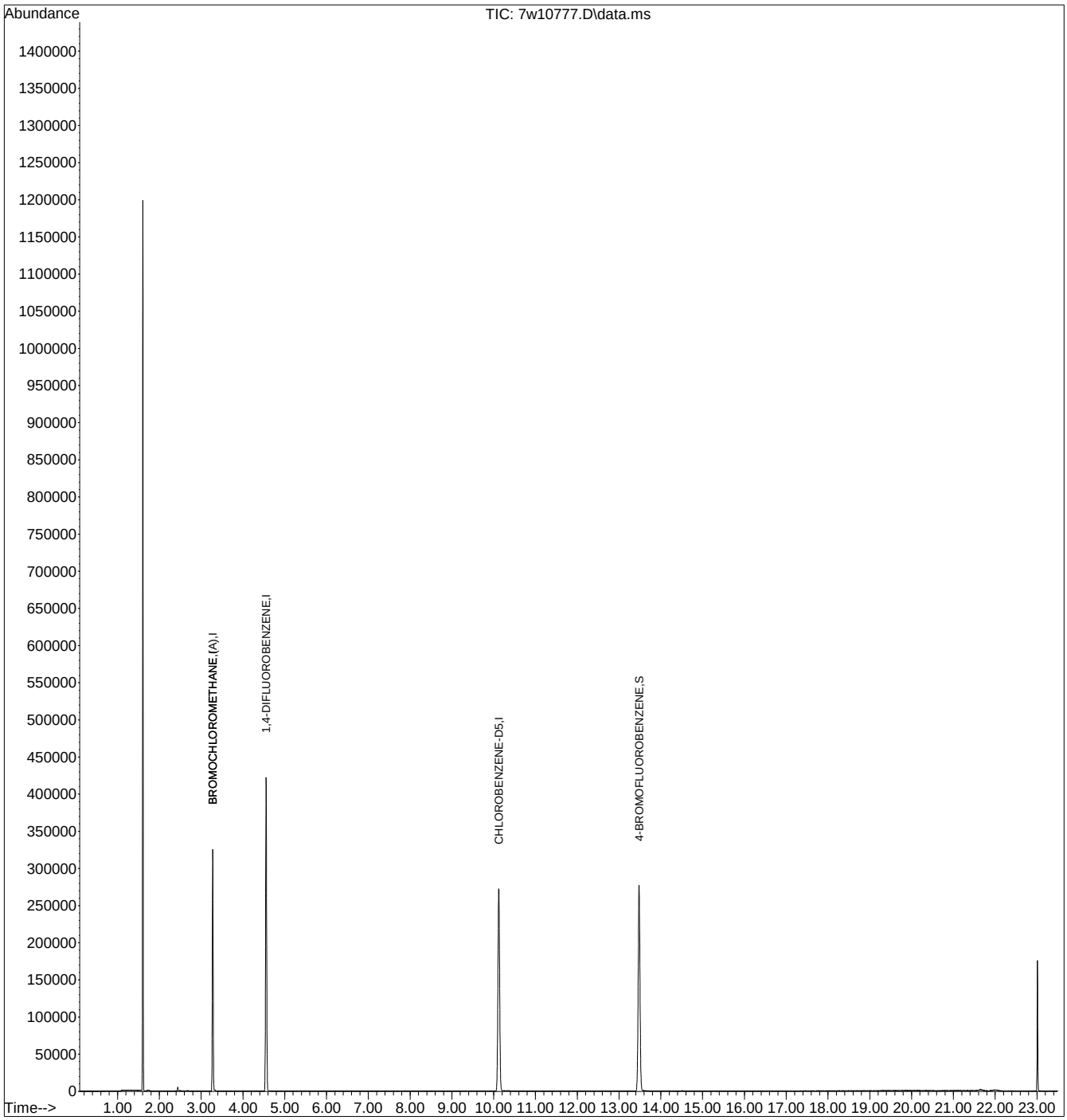
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 294531 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 228023 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 166608 | 9.96 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

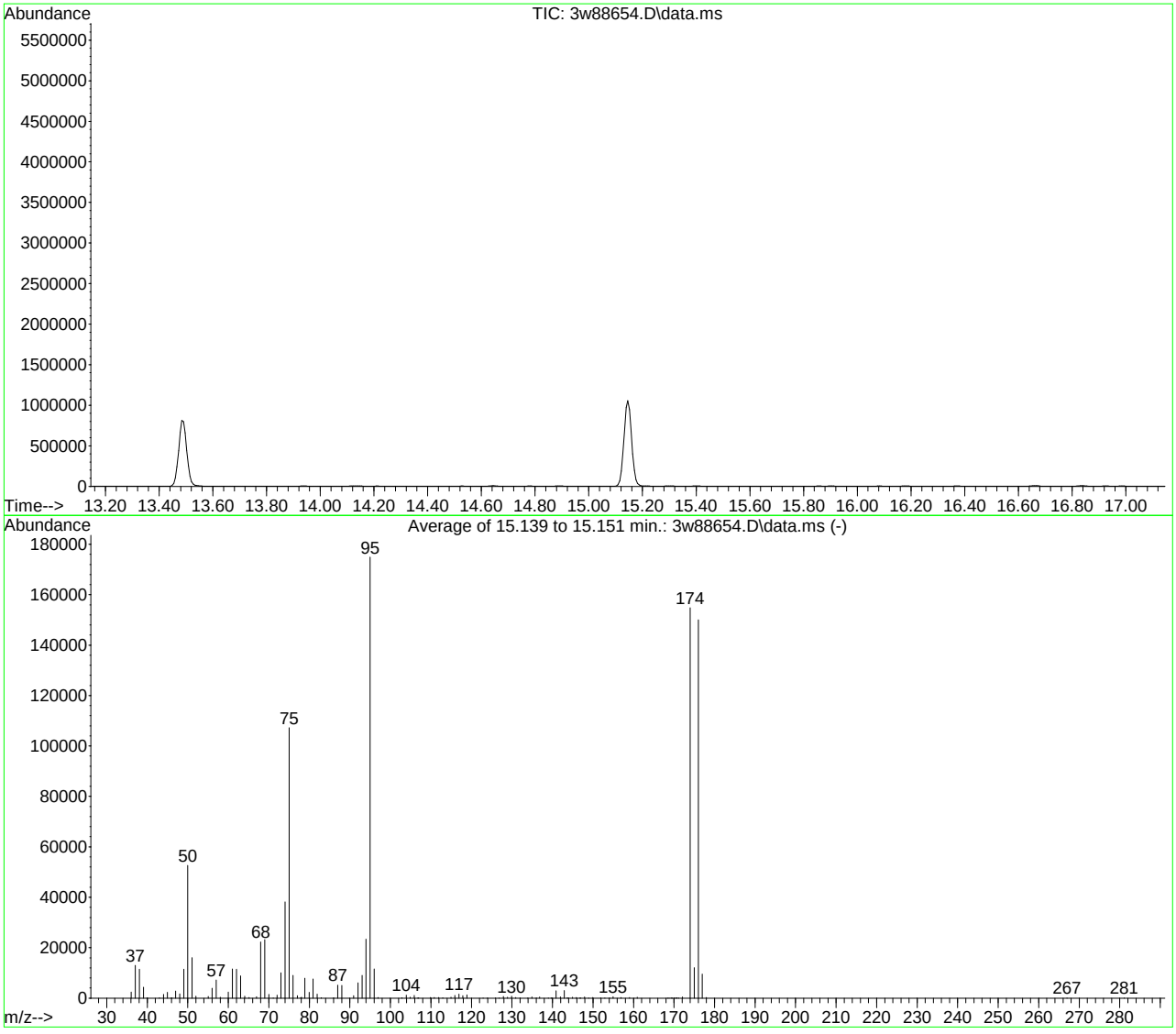
Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\3w88654.D  Vial: 2
Acq On : 9 Sep 2024 2:29 am  Operator: benk
Sample : bfb  Inst : GCMS-3W
Misc : MS80966,v3w3499,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\METHODS\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2475, 2476, 2477; Background Corrected with Scan 2465

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 30.1 | 52640 | PASS |
| 75 | 95 | 30 | 66 | 61.3 | 107221 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 174891 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 11581 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 88.5 | 154816 | PASS |
| 175 | 174 | 4 | 9 | 7.8 | 12056 | PASS |
| 176 | 174 | 93 | 101 | 96.9 | 150016 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 9496 | PASS |

3w88654.D M3W3499.M Tue Sep 10 21:17:57 2024

Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.05 | 2396 | 48.00 | 1722 | 62.00 | 11458 | 74.00 | 38149 |
| 37.05 | 13018 | 49.00 | 11509 | 63.05 | 8771 | 75.00 | 107221 |
| 38.05 | 11439 | 50.00 | 52640 | 64.05 | 804 | 76.00 | 8994 |
| 39.05 | 4302 | 51.05 | 16010 | 65.10 | 244 | 77.05 | 953 |
| 40.00 | 156 | 52.00 | 731 | 67.00 | 606 | 77.90 | 192 |
| 43.00 | 124 | 55.05 | 691 | 68.00 | 22251 | 78.05 | 372 |
| 44.00 | 1487 | 56.00 | 3948 | 69.00 | 23176 | 78.90 | 7924 |
| 45.00 | 2342 | 57.00 | 7205 | 70.00 | 1499 | 79.95 | 2274 |
| 45.90 | 42 | 58.05 | 317 | 71.10 | 37 | 80.90 | 7632 |
| 46.10 | 75 | 60.00 | 2399 | 72.05 | 1203 | 81.90 | 1630 |
| 47.00 | 2804 | 61.00 | 11574 | 73.00 | 10077 | 82.95 | 150 |

Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 86.00 | 141 | 103.95 | 1179 | 116.90 | 1572 | 132.00 | 43 |
| 87.00 | 5116 | 104.90 | 334 | 117.90 | 998 | 133.90 | 42 |
| 88.00 | 5004 | 105.90 | 1082 | 118.90 | 1321 | 134.95 | 447 |
| 90.95 | 933 | 106.80 | 72 | 122.90 | 36 | 136.00 | 39 |
| 92.00 | 6108 | 107.00 | 167 | 123.95 | 83 | 136.85 | 469 |
| 93.00 | 9042 | 109.90 | 223 | 125.90 | 44 | 139.00 | 34 |
| 94.00 | 23347 | 110.85 | 280 | 126.90 | 33 | 139.70 | 69 |
| 95.00 | 174891 | 111.90 | 234 | 127.90 | 713 | 139.90 | 56 |
| 96.00 | 11581 | 112.95 | 199 | 128.90 | 404 | 140.90 | 2894 |
| 96.95 | 272 | 114.95 | 343 | 129.95 | 794 | 141.95 | 420 |
| 102.85 | 151 | 115.90 | 1048 | 130.95 | 294 | 142.90 | 3006 |

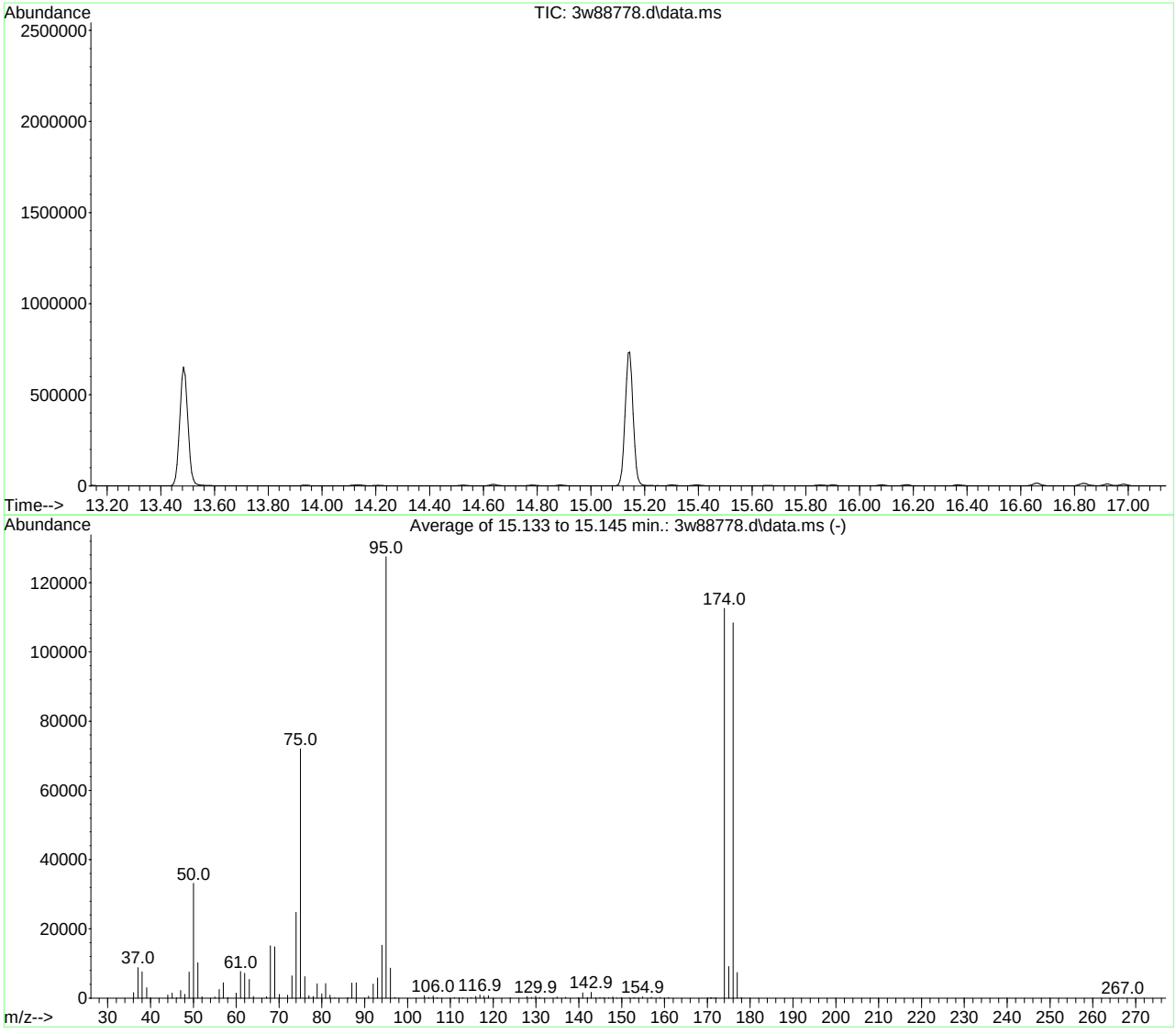
Average of 15.139 to 15.151 min.: 3w88654.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 143.70 | 118 | 154.05 | 111 | 170.75 | 155 | | |
| 143.90 | 74 | 154.95 | 526 | 171.10 | 96 | | |
| 144.95 | 316 | 156.90 | 310 | 172.10 | 438 | | |
| 145.90 | 310 | 159.00 | 268 | 173.95 | 154816 | | |
| 146.80 | 34 | 160.90 | 322 | 175.00 | 12056 | | |
| 146.95 | 109 | 168.40 | 40 | 176.00 | 150016 | | |
| 147.90 | 497 | 168.80 | 37 | 176.95 | 9496 | | |
| 148.95 | 91 | 169.30 | 118 | 177.95 | 217 | | |
| 149.95 | 221 | 169.60 | 65 | 267.00 | 82 | | |
| 151.90 | 89 | 170.10 | 70 | 281.10 | 39 | | |
| 152.95 | 105 | 170.40 | 63 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V3W3503\3w88778.d Vial: 2
Acq On : 19 Sep 2024 12:37 pm Operator: thomash
Sample : bfb Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W3499.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2465

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 26.0 | 33147 | PASS |
| 75 | 95 | 30 | 66 | 56.5 | 71992 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 127493 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 8630 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 88.3 | 112611 | PASS |
| 175 | 174 | 4 | 9 | 8.1 | 9113 | PASS |
| 176 | 174 | 93 | 101 | 96.3 | 108400 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 7382 | PASS |

3w88778.d M3W3499.M Fri Sep 20 04:52:15 2024

Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.05 | 1638 | 50.00 | 33147 | 64.00 | 504 | 78.00 | 512 |
| 37.05 | 8794 | 51.05 | 10197 | 67.05 | 447 | 78.90 | 4159 |
| 38.00 | 7588 | 52.00 | 452 | 68.00 | 15129 | 80.00 | 1192 |
| 39.10 | 3001 | 55.00 | 356 | 69.00 | 14810 | 80.90 | 4203 |
| 40.00 | 25 | 56.00 | 2503 | 70.05 | 1093 | 81.90 | 865 |
| 44.00 | 943 | 57.00 | 4421 | 72.00 | 872 | 83.00 | 33 |
| 45.05 | 1472 | 58.05 | 185 | 73.00 | 6464 | 86.05 | 102 |
| 46.10 | 127 | 60.00 | 1471 | 74.00 | 24784 | 87.00 | 4350 |
| 47.05 | 2184 | 61.00 | 7678 | 75.00 | 71992 | 88.00 | 4456 |
| 48.00 | 1078 | 62.00 | 7193 | 76.00 | 6196 | 90.90 | 567 |
| 49.00 | 7559 | 63.05 | 5429 | 77.00 | 676 | 92.00 | 4077 |

Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 93.00 | 5855 | 112.85 | 116 | 134.90 | 315 | 148.90 | 38 |
| 94.00 | 15298 | 114.90 | 142 | 136.95 | 257 | 149.90 | 128 |
| 95.00 | 127493 | 115.95 | 485 | 139.90 | 122 | 151.80 | 40 |
| 96.00 | 8630 | 116.90 | 913 | 140.90 | 1565 | 152.80 | 42 |
| 97.05 | 206 | 117.85 | 571 | 141.95 | 190 | 153.00 | 50 |
| 103.90 | 677 | 118.90 | 689 | 142.90 | 1642 | 153.90 | 43 |
| 104.95 | 183 | 123.95 | 72 | 143.95 | 75 | 154.90 | 354 |
| 105.95 | 648 | 127.90 | 430 | 144.95 | 159 | 156.95 | 296 |
| 106.95 | 105 | 128.95 | 231 | 145.85 | 196 | 158.95 | 190 |
| 110.95 | 106 | 129.90 | 534 | 146.95 | 108 | 160.95 | 173 |
| 112.00 | 40 | 130.90 | 191 | 147.95 | 329 | 170.10 | 33 |

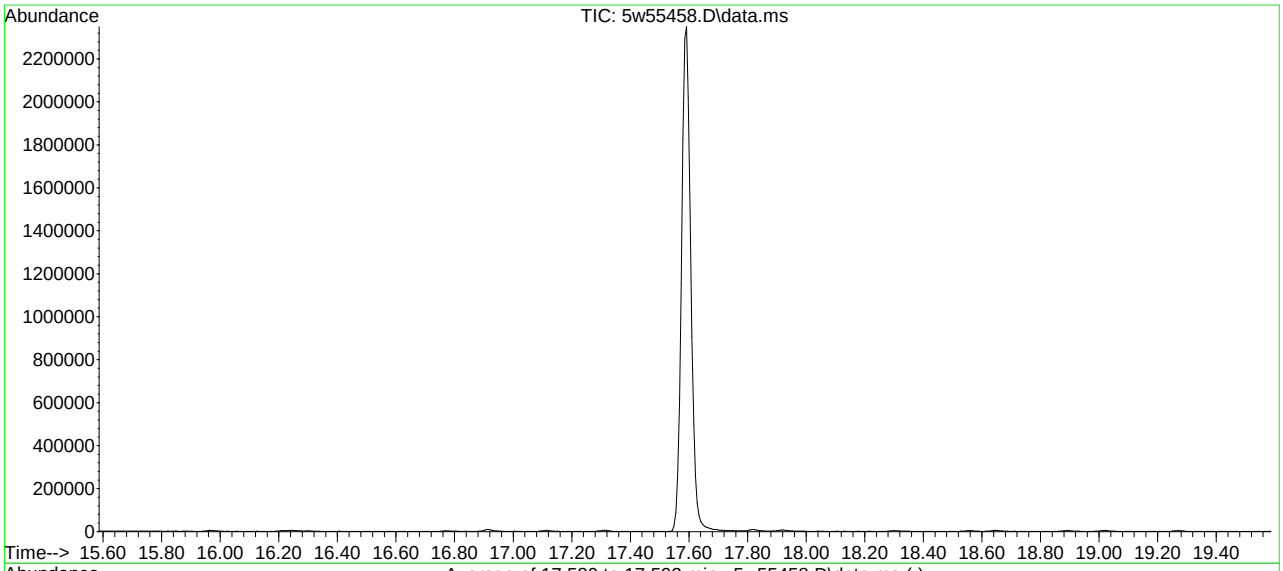
Average of 15.133 to 15.145 min.: 3w88778.d\data.ms
bfb
Modified:subtracted

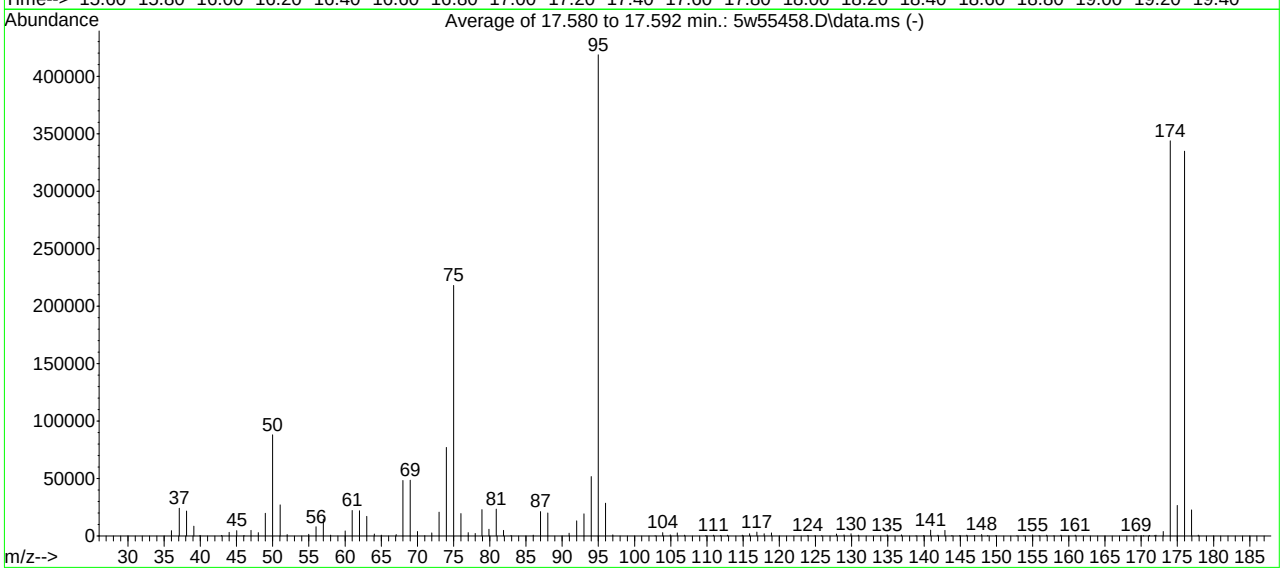
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 170.70 | 40 | | | | | | |
| 170.90 | 81 | | | | | | |
| 171.50 | 57 | | | | | | |
| 172.00 | 91 | | | | | | |
| 174.00 | 112611 | | | | | | |
| 175.00 | 9113 | | | | | | |
| 176.00 | 108400 | | | | | | |
| 176.95 | 7382 | | | | | | |
| 177.95 | 222 | | | | | | |
| 267.00 | 46 | | | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55458.D  Vial: 3
Acq On : 9 Dec 2024 3:34 am  Operator: benk
Sample : bfb  Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.0 | 87907 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 218027 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 418581 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 28349 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3695 | PASS |
| 174 | 95 | 50 | 120 | 82.1 | 343765 | PASS |
| 175 | 174 | 4 | 9 | 7.7 | 26424 | PASS |
| 176 | 174 | 93 | 101 | 97.4 | 334720 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 22512 | PASS |

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 4407 | 49.00 | 19752 | 63.00 | 17050 | 75.00 | 218027 |
| 37.10 | 24149 | 50.00 | 87907 | 64.05 | 1657 | 76.00 | 19280 |
| 38.10 | 21723 | 51.05 | 26971 | 65.00 | 509 | 77.00 | 2866 |
| 39.10 | 8398 | 52.00 | 1164 | 67.05 | 1085 | 78.00 | 2061 |
| 39.95 | 461 | 55.00 | 1419 | 68.00 | 48216 | 78.90 | 22733 |
| 42.95 | 285 | 56.00 | 7959 | 69.00 | 48400 | 79.90 | 5787 |
| 44.00 | 3174 | 57.00 | 14433 | 70.00 | 3854 | 80.90 | 23309 |
| 45.05 | 4430 | 58.00 | 691 | 71.00 | 83 | 81.90 | 4746 |
| 46.05 | 362 | 60.00 | 4331 | 72.00 | 2495 | 82.95 | 482 |
| 47.00 | 4807 | 61.00 | 22131 | 73.00 | 20691 | 86.00 | 549 |
| 48.00 | 2719 | 62.00 | 21965 | 74.00 | 77016 | 87.00 | 21008 |

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.00 | 20003 | 105.90 | 2548 | 123.95 | 315 | 140.90 | 5011 |
| 90.95 | 2215 | 106.90 | 509 | 124.90 | 140 | 141.90 | 497 |
| 92.00 | 13106 | 109.85 | 391 | 125.85 | 219 | 142.90 | 4891 |
| 93.00 | 19059 | 110.90 | 592 | 127.90 | 1613 | 143.85 | 348 |
| 94.00 | 51672 | 111.90 | 484 | 128.95 | 795 | 144.95 | 461 |
| 95.00 | 418581 | 112.85 | 566 | 129.90 | 1786 | 145.90 | 568 |
| 96.00 | 28349 | 114.90 | 530 | 130.90 | 598 | 146.95 | 297 |
| 97.00 | 848 | 115.90 | 1936 | 134.90 | 880 | 147.95 | 1090 |
| 102.85 | 239 | 116.90 | 3369 | 136.90 | 963 | 148.80 | 258 |
| 103.90 | 2733 | 117.90 | 1949 | 138.90 | 79 | 149.95 | 436 |
| 104.95 | 754 | 118.90 | 2572 | 139.95 | 354 | 152.85 | 248 |

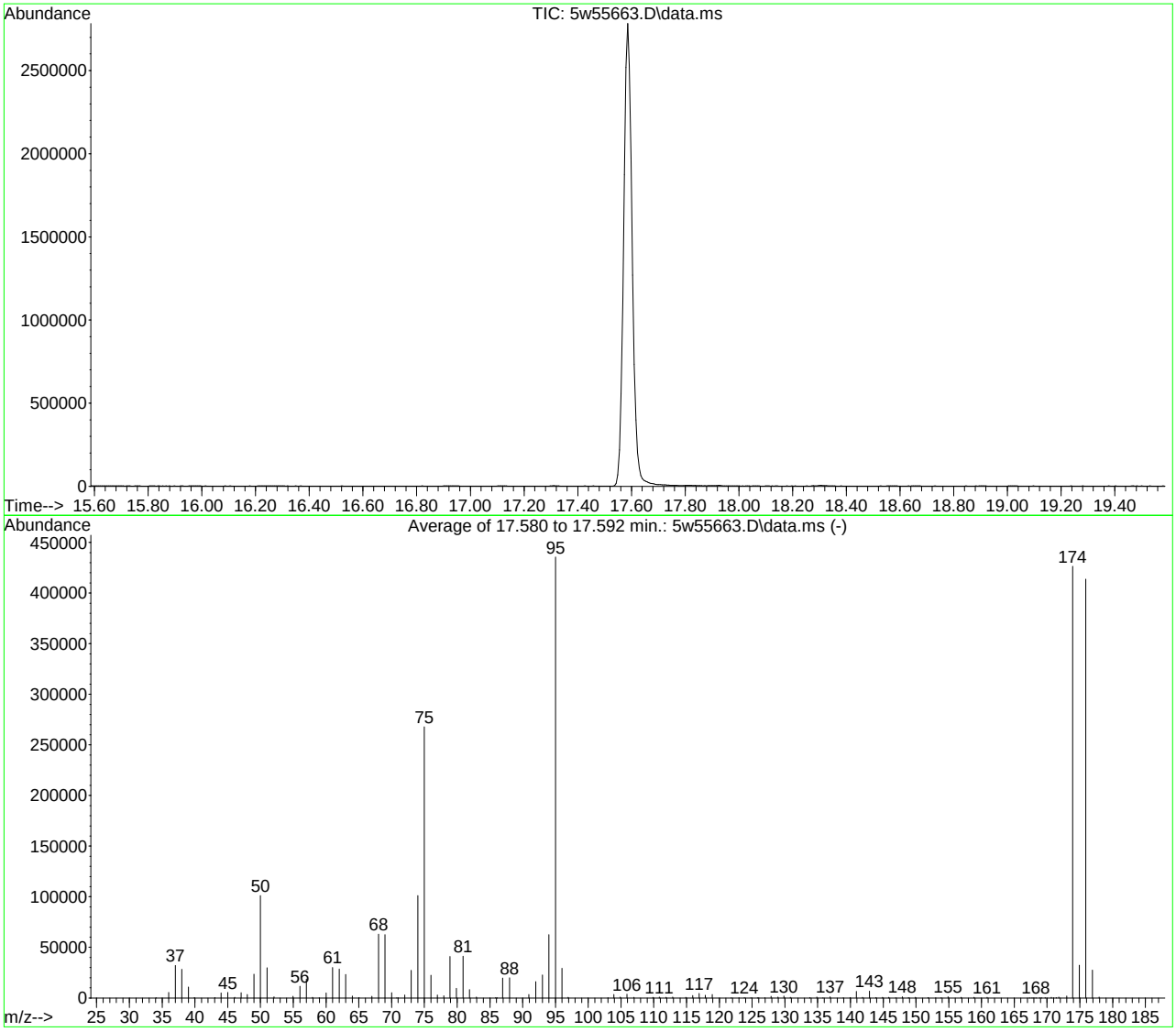
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 153.80 | 101 | 171.90 | 416 | | | | |
| 155.00 | 926 | 172.05 | 748 | | | | |
| 155.90 | 138 | 173.05 | 3695 | | | | |
| 156.95 | 736 | 174.00 | 343765 | | | | |
| 157.95 | 174 | 175.00 | 26424 | | | | |
| 158.90 | 535 | 176.00 | 334720 | | | | |
| 160.90 | 542 | 176.95 | 22512 | | | | |
| 169.30 | 75 | 177.90 | 590 | | | | |
| 170.00 | 113 | | | | | | |
| 170.35 | 183 | | | | | | |
| 171.15 | 260 | | | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55663.D  Vial: 2
Acq On : 16 Dec 2024 12:41 pm  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 101069 | PASS |
| 75 | 95 | 30 | 66 | 61.5 | 267968 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 435499 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 29261 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 1816 | PASS |
| 174 | 95 | 50 | 120 | 97.9 | 426539 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 32493 | PASS |
| 176 | 174 | 93 | 101 | 97.0 | 413696 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 27451 | PASS |

5w55663.D M5w2125.M Mon Dec 16 17:29:06 2024

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 34.10 | 86 | 48.00 | 3371 | 61.00 | 30011 | 72.00 | 3024 |
| 36.00 | 5425 | 49.00 | 23563 | 62.00 | 28456 | 73.00 | 27336 |
| 37.00 | 32187 | 50.00 | 101069 | 63.00 | 23296 | 74.00 | 101051 |
| 38.00 | 28197 | 51.00 | 29917 | 64.00 | 1928 | 75.00 | 267968 |
| 39.00 | 10711 | 52.05 | 1206 | 65.05 | 371 | 76.00 | 22512 |
| 39.90 | 483 | 54.95 | 1691 | 67.00 | 1565 | 77.00 | 2805 |
| 43.05 | 482 | 56.00 | 11540 | 68.00 | 63109 | 77.95 | 2118 |
| 44.00 | 4939 | 57.00 | 18661 | 69.00 | 62448 | 78.90 | 40888 |
| 45.00 | 5452 | 57.95 | 768 | 70.00 | 5116 | 79.90 | 9546 |
| 46.05 | 565 | 58.95 | 162 | 70.80 | 85 | 80.90 | 41144 |
| 47.05 | 5252 | 60.00 | 5026 | 71.00 | 185 | 81.90 | 8204 |

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 82.95 | 887 | 96.95 | 770 | 115.95 | 2433 | 127.90 | 1723 |
| 85.90 | 330 | 103.00 | 231 | 116.90 | 4451 | 128.95 | 807 |
| 86.10 | 233 | 103.90 | 3365 | 117.85 | 2611 | 129.85 | 1977 |
| 86.95 | 19744 | 104.90 | 996 | 118.90 | 3540 | 130.85 | 733 |
| 88.00 | 19955 | 105.90 | 3698 | 121.80 | 67 | 133.80 | 293 |
| 90.95 | 3312 | 106.95 | 576 | 123.00 | 81 | 134.85 | 1021 |
| 92.00 | 16172 | 109.85 | 557 | 123.80 | 399 | 135.80 | 165 |
| 93.00 | 22739 | 110.85 | 945 | 124.80 | 71 | 136.90 | 1178 |
| 94.00 | 62616 | 111.85 | 681 | 125.80 | 131 | 138.90 | 162 |
| 95.00 | 435499 | 112.90 | 876 | 126.00 | 70 | 139.95 | 414 |
| 96.00 | 29261 | 114.90 | 604 | 126.95 | 139 | 140.90 | 6482 |

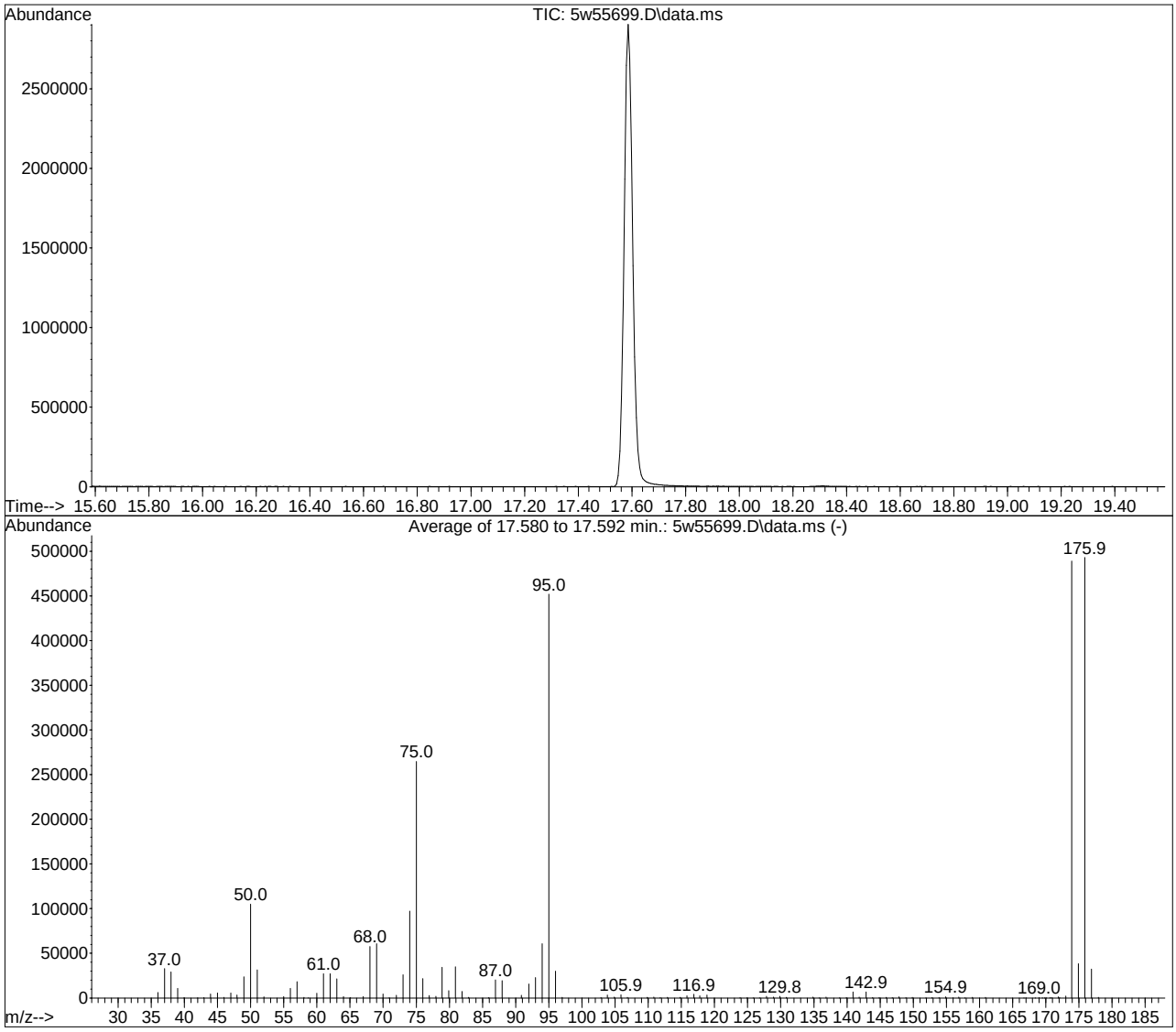
Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 141.85 | 720 | 153.85 | 184 | 169.70 | 481 | | |
| 142.90 | 6717 | 154.90 | 1123 | 170.65 | 770 | | |
| 143.90 | 421 | 156.90 | 727 | 171.00 | 256 | | |
| 144.90 | 659 | 158.85 | 677 | 171.40 | 332 | | |
| 145.85 | 771 | 160.85 | 595 | 171.80 | 819 | | |
| 146.90 | 180 | 167.30 | 81 | 173.00 | 1816 | | |
| 147.90 | 1131 | 167.70 | 117 | 173.90 | 426539 | | |
| 148.85 | 406 | 168.00 | 89 | 174.90 | 32493 | | |
| 149.90 | 626 | 168.30 | 209 | 175.90 | 413696 | | |
| 151.85 | 296 | 168.90 | 142 | 176.90 | 27451 | | |
| 153.00 | 232 | 169.20 | 87 | 177.95 | 825 | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 105096 | PASS |
| 75 | 95 | 30 | 66 | 58.6 | 264789 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 452053 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 29944 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2112 | PASS |
| 174 | 95 | 50 | 120 | 108.2 | 488917 | PASS |
| 175 | 174 | 4 | 9 | 7.9 | 38499 | PASS |
| 176 | 174 | 93 | 101 | 100.8 | 492928 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 32312 | PASS |

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6122 | 47.95 | 3333 | 61.00 | 27261 | 73.00 | 25893 |
| 37.00 | 32880 | 49.00 | 23784 | 62.00 | 27029 | 74.00 | 97128 |
| 38.00 | 29173 | 50.00 | 105096 | 63.00 | 21448 | 75.00 | 264789 |
| 39.00 | 10698 | 51.00 | 31357 | 64.00 | 1715 | 76.00 | 21672 |
| 39.95 | 458 | 52.00 | 1362 | 65.05 | 454 | 76.95 | 2719 |
| 42.00 | 70 | 55.00 | 1658 | 67.00 | 1681 | 77.95 | 1788 |
| 42.95 | 414 | 56.00 | 10854 | 68.00 | 57627 | 78.90 | 34237 |
| 43.95 | 4439 | 57.00 | 18149 | 69.00 | 60885 | 79.90 | 8336 |
| 45.00 | 5558 | 58.05 | 704 | 70.00 | 4515 | 80.90 | 35016 |
| 45.95 | 615 | 58.70 | 67 | 70.90 | 159 | 81.90 | 7233 |
| 47.00 | 5559 | 60.00 | 5242 | 72.00 | 3123 | 82.90 | 782 |

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 85.90 | 470 | 103.85 | 3393 | 117.80 | 2408 | 135.80 | 72 |
| 86.95 | 20229 | 104.90 | 995 | 118.85 | 3415 | 136.85 | 1048 |
| 87.95 | 19427 | 105.90 | 3547 | 123.85 | 357 | 138.85 | 187 |
| 90.85 | 2909 | 106.85 | 594 | 124.90 | 68 | 139.90 | 567 |
| 92.00 | 15755 | 109.85 | 600 | 125.85 | 273 | 140.90 | 6636 |
| 93.00 | 22952 | 110.85 | 911 | 126.80 | 93 | 141.85 | 880 |
| 94.00 | 60709 | 111.80 | 536 | 127.85 | 1812 | 142.90 | 6852 |
| 95.00 | 452053 | 112.90 | 865 | 128.90 | 1015 | 143.85 | 425 |
| 96.00 | 29944 | 114.80 | 689 | 129.85 | 1859 | 144.85 | 535 |
| 97.00 | 879 | 115.85 | 2320 | 130.85 | 664 | 145.90 | 870 |
| 102.85 | 434 | 116.90 | 4223 | 134.85 | 994 | 146.85 | 313 |

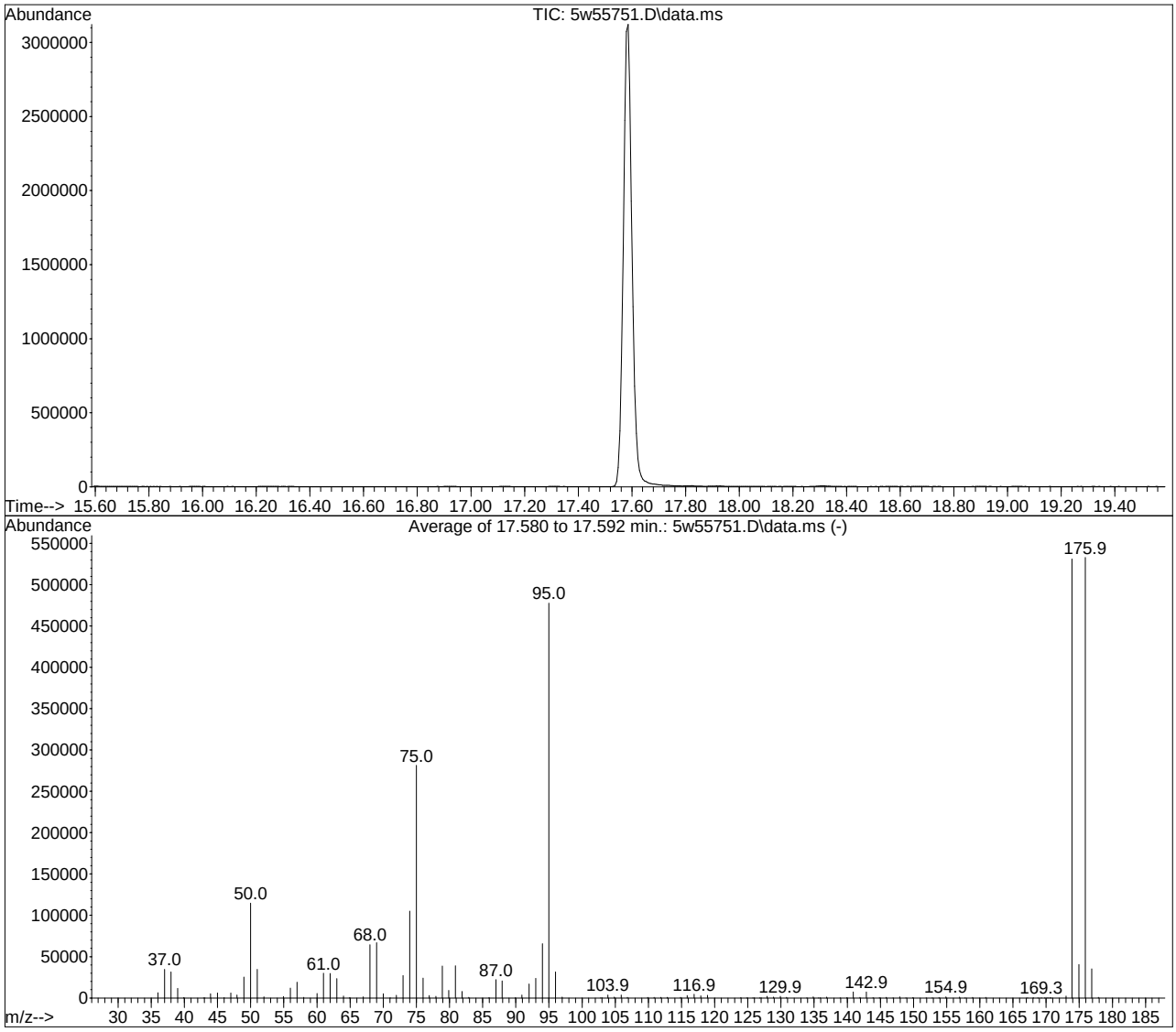
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 147.85 | 1350 | 160.90 | 871 | 172.10 | 526 | | |
| 148.90 | 380 | 166.70 | 73 | 173.00 | 2112 | | |
| 149.85 | 686 | 167.00 | 77 | 173.90 | 488917 | | |
| 151.90 | 234 | 168.40 | 94 | 174.90 | 38499 | | |
| 152.85 | 367 | 169.00 | 316 | 175.90 | 492928 | | |
| 153.90 | 377 | 169.50 | 118 | 176.90 | 32312 | | |
| 154.90 | 1409 | 169.80 | 161 | 177.95 | 825 | | |
| 156.00 | 71 | 170.10 | 175 | | | | |
| 156.85 | 927 | 170.65 | 431 | | | | |
| 157.80 | 91 | 170.90 | 330 | | | | |
| 158.90 | 708 | 171.90 | 1206 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5w2135\5w55751.D Vial: 2
Acq On : 19 Dec 2024 3:40 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.0 | 114779 | PASS |
| 75 | 95 | 30 | 66 | 58.9 | 281387 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 477781 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 31525 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2249 | PASS |
| 174 | 95 | 50 | 120 | 111.1 | 531051 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 40389 | PASS |
| 176 | 174 | 93 | 101 | 100.3 | 532885 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 35269 | PASS |

5w55751.D M5w2125.M Fri Dec 20 16:35:05 2024

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6304 | 47.95 | 3603 | 62.00 | 29587 | 74.00 | 105152 |
| 37.00 | 34781 | 49.00 | 25323 | 63.00 | 23488 | 75.00 | 281387 |
| 38.00 | 31531 | 50.00 | 114779 | 64.00 | 2278 | 76.00 | 23981 |
| 39.00 | 11825 | 51.00 | 34544 | 64.95 | 378 | 76.95 | 3094 |
| 39.90 | 457 | 52.00 | 1524 | 67.00 | 1557 | 77.95 | 2113 |
| 42.90 | 169 | 54.95 | 1777 | 68.00 | 64512 | 78.90 | 38840 |
| 43.10 | 244 | 56.00 | 11939 | 69.00 | 66821 | 79.90 | 9234 |
| 43.95 | 5278 | 57.00 | 19253 | 70.00 | 5258 | 80.90 | 38971 |
| 45.00 | 6218 | 58.00 | 876 | 71.05 | 151 | 81.90 | 7825 |
| 46.00 | 554 | 60.00 | 5580 | 72.00 | 3199 | 82.90 | 870 |
| 47.00 | 5948 | 61.00 | 29957 | 73.00 | 27179 | 85.95 | 496 |

Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.00 | 22288 | 103.00 | 113 | 116.90 | 4527 | 129.90 | 1996 |
| 87.95 | 20805 | 103.90 | 3724 | 117.90 | 2663 | 130.85 | 942 |
| 89.90 | 69 | 104.85 | 1009 | 118.90 | 3386 | 133.90 | 67 |
| 90.90 | 3508 | 105.90 | 3486 | 123.95 | 383 | 134.85 | 1511 |
| 92.00 | 17025 | 106.85 | 669 | 124.85 | 177 | 135.70 | 113 |
| 93.00 | 23928 | 109.90 | 693 | 125.75 | 234 | 135.90 | 96 |
| 94.00 | 65645 | 110.85 | 825 | 126.00 | 116 | 136.90 | 1196 |
| 95.00 | 477781 | 111.85 | 641 | 126.80 | 155 | 138.95 | 284 |
| 96.00 | 31525 | 112.85 | 870 | 127.00 | 78 | 139.95 | 482 |
| 97.00 | 983 | 114.85 | 718 | 127.90 | 1934 | 140.90 | 7251 |
| 102.80 | 243 | 115.85 | 3032 | 128.85 | 1053 | 141.90 | 918 |

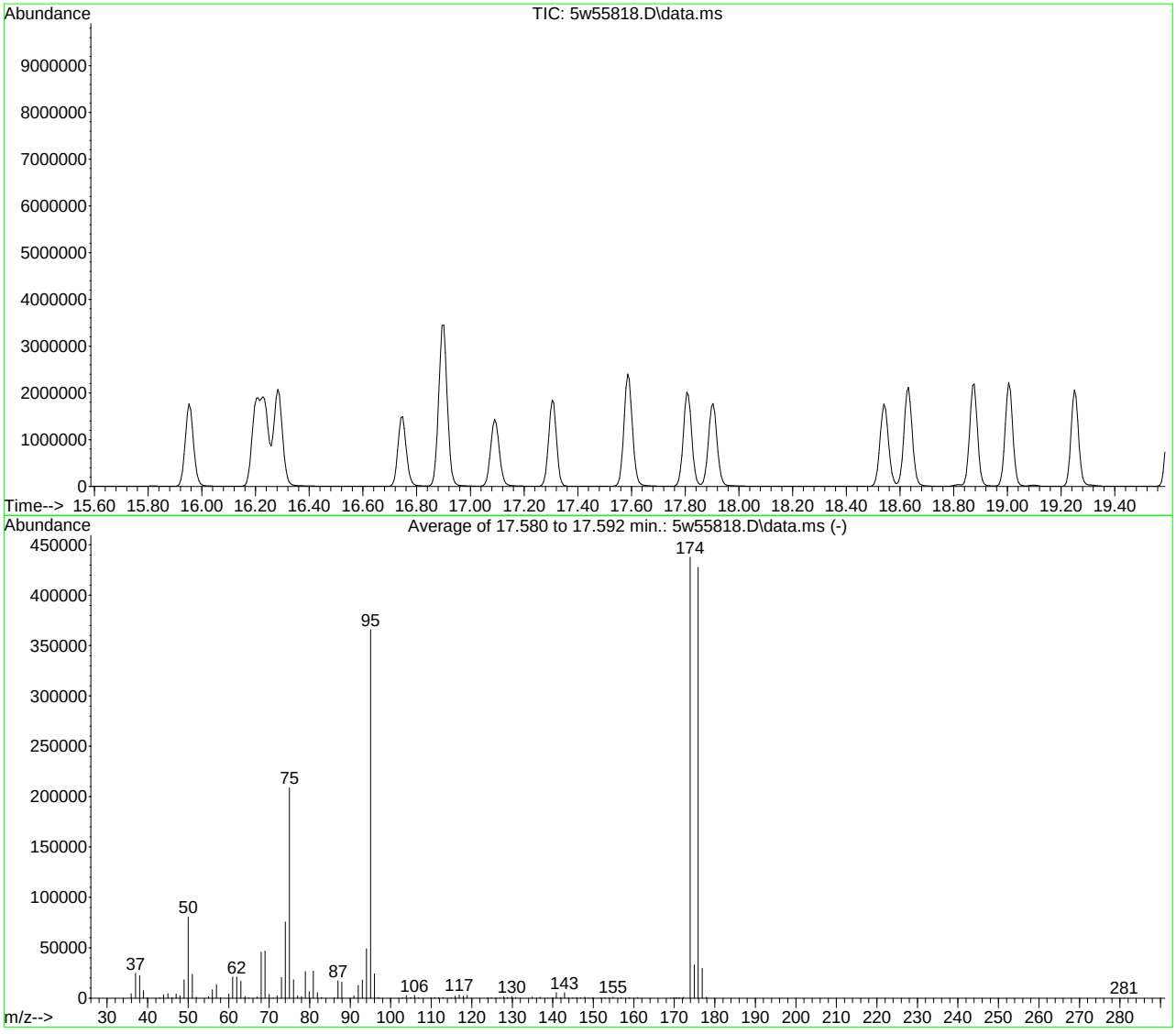
Average of 17.580 to 17.592 min.: 5w55751.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 142.90 | 7427 | 154.90 | 1312 | 170.60 | 498 | | |
| 143.90 | 433 | 156.95 | 983 | 170.80 | 260 | | |
| 144.85 | 562 | 157.80 | 69 | 173.00 | 2249 | | |
| 145.85 | 709 | 158.90 | 846 | 173.90 | 531051 | | |
| 146.90 | 347 | 160.90 | 813 | 174.95 | 40389 | | |
| 147.90 | 1421 | 167.20 | 75 | 175.90 | 532885 | | |
| 148.85 | 343 | 168.10 | 96 | 176.90 | 35269 | | |
| 149.90 | 583 | 168.75 | 184 | 177.90 | 944 | | |
| 151.90 | 243 | 169.30 | 241 | | | | |
| 152.85 | 348 | 169.80 | 120 | | | | |
| 153.85 | 386 | 170.25 | 407 | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55818.D  Vial: 1
Acq On : 23 Dec 2024 8:13 am  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 22.0 | 80464 | PASS |
| 75 | 95 | 30 | 66 | 57.0 | 208725 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 365867 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 24203 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 119.7 | 437760 | PASS |
| 175 | 174 | 4 | 9 | 7.5 | 33048 | PASS |
| 176 | 174 | 93 | 101 | 97.7 | 427712 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 29384 | PASS |

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 4503 | 49.00 | 18299 | 63.00 | 17013 | 75.00 | 208725 |
| 37.00 | 24683 | 50.00 | 80464 | 64.00 | 1589 | 76.00 | 18344 |
| 38.00 | 22280 | 51.00 | 23667 | 65.00 | 201 | 77.00 | 2501 |
| 39.00 | 7634 | 52.05 | 908 | 67.00 | 1153 | 77.95 | 1660 |
| 39.90 | 331 | 55.00 | 1431 | 68.00 | 45832 | 78.90 | 26499 |
| 43.00 | 451 | 56.00 | 8261 | 69.00 | 46893 | 79.90 | 6497 |
| 43.95 | 3418 | 57.00 | 13481 | 70.00 | 3816 | 80.90 | 26827 |
| 45.00 | 4352 | 58.00 | 494 | 71.00 | 83 | 81.90 | 5505 |
| 46.00 | 443 | 60.00 | 4301 | 71.95 | 2456 | 82.90 | 690 |
| 47.00 | 4319 | 61.00 | 21013 | 73.00 | 20453 | 86.00 | 467 |
| 48.00 | 2550 | 62.00 | 21091 | 74.00 | 75576 | 87.00 | 17270 |

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.95 | 15974 | 105.90 | 2767 | 123.95 | 276 | 139.85 | 222 |
| 90.90 | 2419 | 106.90 | 525 | 124.80 | 68 | 140.10 | 125 |
| 92.00 | 12633 | 109.90 | 511 | 125.90 | 67 | 140.90 | 5477 |
| 93.00 | 17995 | 110.90 | 660 | 126.90 | 79 | 141.95 | 763 |
| 94.00 | 49232 | 111.85 | 484 | 127.85 | 1357 | 142.90 | 5567 |
| 95.00 | 365867 | 112.90 | 696 | 128.85 | 675 | 143.85 | 317 |
| 96.00 | 24203 | 114.90 | 483 | 129.90 | 1540 | 144.90 | 420 |
| 97.00 | 677 | 115.90 | 1917 | 130.85 | 536 | 145.85 | 584 |
| 102.90 | 310 | 116.90 | 3074 | 134.90 | 997 | 146.85 | 313 |
| 103.85 | 2628 | 117.90 | 1957 | 136.90 | 827 | 147.90 | 1036 |
| 104.90 | 735 | 118.90 | 2598 | 138.80 | 80 | 148.80 | 270 |

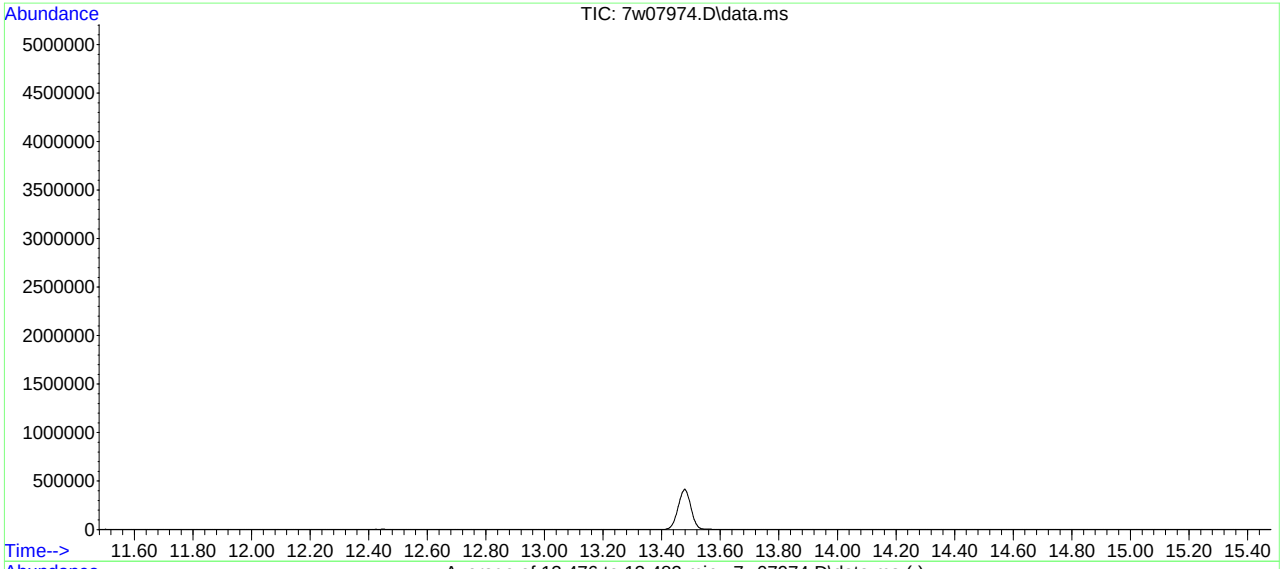
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 149.85 | 533 | 170.40 | 317 | | | | |
| 151.85 | 150 | 170.60 | 208 | | | | |
| 152.85 | 293 | 171.10 | 283 | | | | |
| 153.95 | 255 | 171.40 | 234 | | | | |
| 154.90 | 1037 | 172.20 | 838 | | | | |
| 156.85 | 732 | 173.90 | 437760 | | | | |
| 158.90 | 596 | 174.95 | 33048 | | | | |
| 160.95 | 599 | 175.90 | 427712 | | | | |
| 169.00 | 240 | 176.90 | 29384 | | | | |
| 169.65 | 206 | 177.90 | 828 | | | | |
| 170.00 | 99 | 281.05 | 180 | | | | |

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D  Vial: 1
Acq On : 18 Aug 2024 9:06 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w305,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 20443 | PASS |
| 75 | 95 | 30 | 66 | 51.7 | 43320 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 83736 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 5915 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 627 | PASS |
| 174 | 95 | 50 | 120 | 73.5 | 61525 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 4526 | PASS |
| 176 | 174 | 93 | 101 | 95.5 | 58768 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3856 | PASS |

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 954 | 50.00 | 20443 | 64.00 | 287 | 77.90 | 308 |
| 37.00 | 5028 | 51.00 | 6530 | 67.05 | 196 | 78.90 | 2955 |
| 38.00 | 4273 | 52.00 | 277 | 68.00 | 8935 | 79.90 | 767 |
| 39.05 | 1813 | 55.05 | 302 | 69.00 | 9076 | 80.90 | 3037 |
| 43.00 | 64 | 55.95 | 1451 | 70.00 | 861 | 81.85 | 668 |
| 44.00 | 709 | 57.00 | 2901 | 71.85 | 499 | 82.80 | 43 |
| 45.00 | 966 | 58.05 | 156 | 73.00 | 3880 | 83.10 | 21 |
| 46.15 | 74 | 60.00 | 997 | 74.00 | 15013 | 85.90 | 103 |
| 46.95 | 1367 | 61.00 | 4528 | 75.00 | 43320 | 86.95 | 3242 |
| 47.95 | 630 | 62.00 | 4774 | 76.00 | 3458 | 87.95 | 2880 |
| 49.00 | 4424 | 63.00 | 3558 | 77.00 | 539 | 90.85 | 322 |

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2543 | 110.70 | 18 | 127.80 | 278 | 142.90 | 820 |
| 93.00 | 3598 | 111.05 | 100 | 128.70 | 51 | 144.00 | 19 |
| 94.00 | 10531 | 111.85 | 87 | 128.85 | 135 | 145.10 | 22 |
| 95.00 | 83736 | 112.80 | 110 | 129.85 | 322 | 145.90 | 187 |
| 96.00 | 5915 | 114.85 | 70 | 130.85 | 96 | 146.70 | 18 |
| 96.95 | 196 | 115.85 | 319 | 134.75 | 134 | 147.90 | 227 |
| 103.90 | 411 | 116.85 | 545 | 136.90 | 163 | 148.70 | 25 |
| 104.80 | 147 | 117.85 | 347 | 139.70 | 38 | 149.85 | 79 |
| 105.85 | 388 | 118.85 | 467 | 139.90 | 58 | 151.90 | 22 |
| 106.90 | 91 | 123.80 | 42 | 140.90 | 764 | 154.80 | 150 |
| 109.80 | 78 | 126.90 | 18 | 141.85 | 63 | 156.90 | 122 |

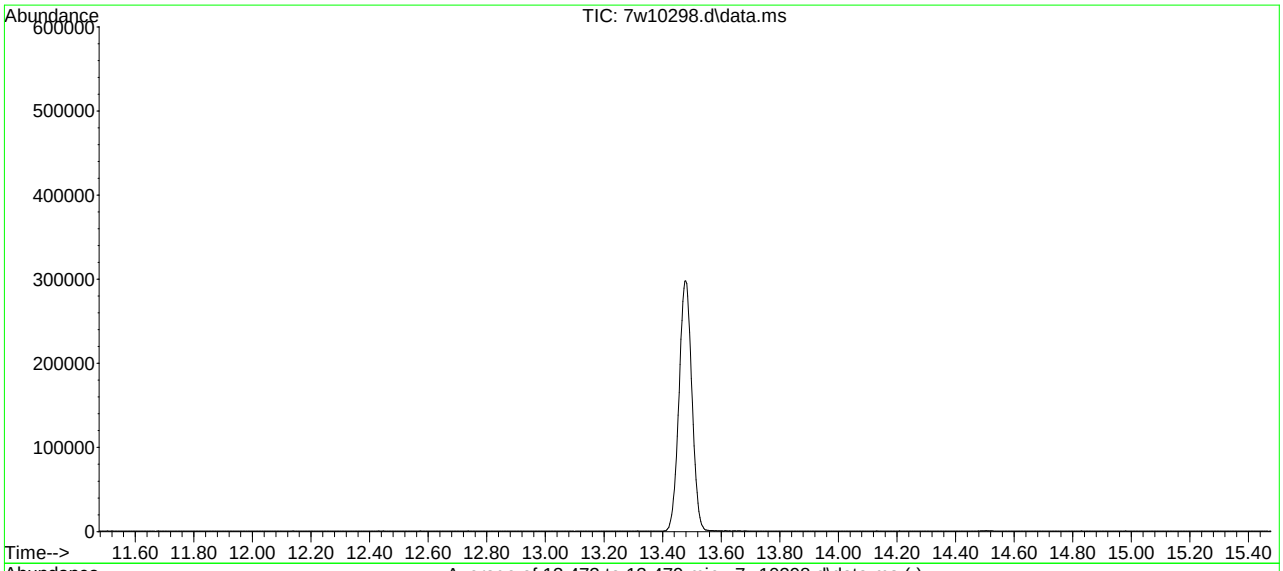
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 158.70 | 34 | | | | | | |
| 158.85 | 62 | | | | | | |
| 160.80 | 94 | | | | | | |
| 171.90 | 37 | | | | | | |
| 173.05 | 627 | | | | | | |
| 173.90 | 61525 | | | | | | |
| 174.90 | 4526 | | | | | | |
| 175.90 | 58768 | | | | | | |
| 176.90 | 3856 | | | | | | |
| 177.85 | 99 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w379\7w10298.d Vial: 1
Acq On : 6 Nov 2024 8:30 am Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS86666,v7w379,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.4 | 13433 | PASS |
| 75 | 95 | 30 | 66 | 49.8 | 31192 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 62667 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4090 | PASS |
| 173 | 174 | 0.00 | 2 | 0.6 | 262 | PASS |
| 174 | 95 | 50 | 120 | 74.4 | 46624 | PASS |
| 175 | 174 | 4 | 9 | 7.8 | 3614 | PASS |
| 176 | 174 | 93 | 101 | 98.8 | 46085 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3024 | PASS |

7w10298.d M7W305.M Thu Nov 07 04:34:32 2024

Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 563 | 51.05 | 4154 | 66.95 | 139 | 78.90 | 1523 |
| 37.00 | 2915 | 52.00 | 184 | 68.00 | 6332 | 79.90 | 438 |
| 38.00 | 2686 | 55.00 | 149 | 69.00 | 6167 | 80.90 | 1522 |
| 39.05 | 1046 | 56.00 | 976 | 70.05 | 419 | 81.90 | 317 |
| 39.90 | 12 | 57.00 | 1802 | 71.95 | 244 | 85.90 | 36 |
| 44.00 | 230 | 58.05 | 69 | 73.00 | 2655 | 87.00 | 2868 |
| 45.00 | 630 | 59.95 | 613 | 74.00 | 10066 | 87.95 | 2611 |
| 47.00 | 1101 | 61.00 | 3280 | 75.00 | 31192 | 90.95 | 233 |
| 48.00 | 388 | 62.00 | 3270 | 76.00 | 2748 | 92.00 | 1793 |
| 49.00 | 2710 | 63.00 | 2095 | 76.95 | 344 | 93.00 | 2338 |
| 50.05 | 13433 | 63.95 | 201 | 77.90 | 324 | 94.00 | 7032 |

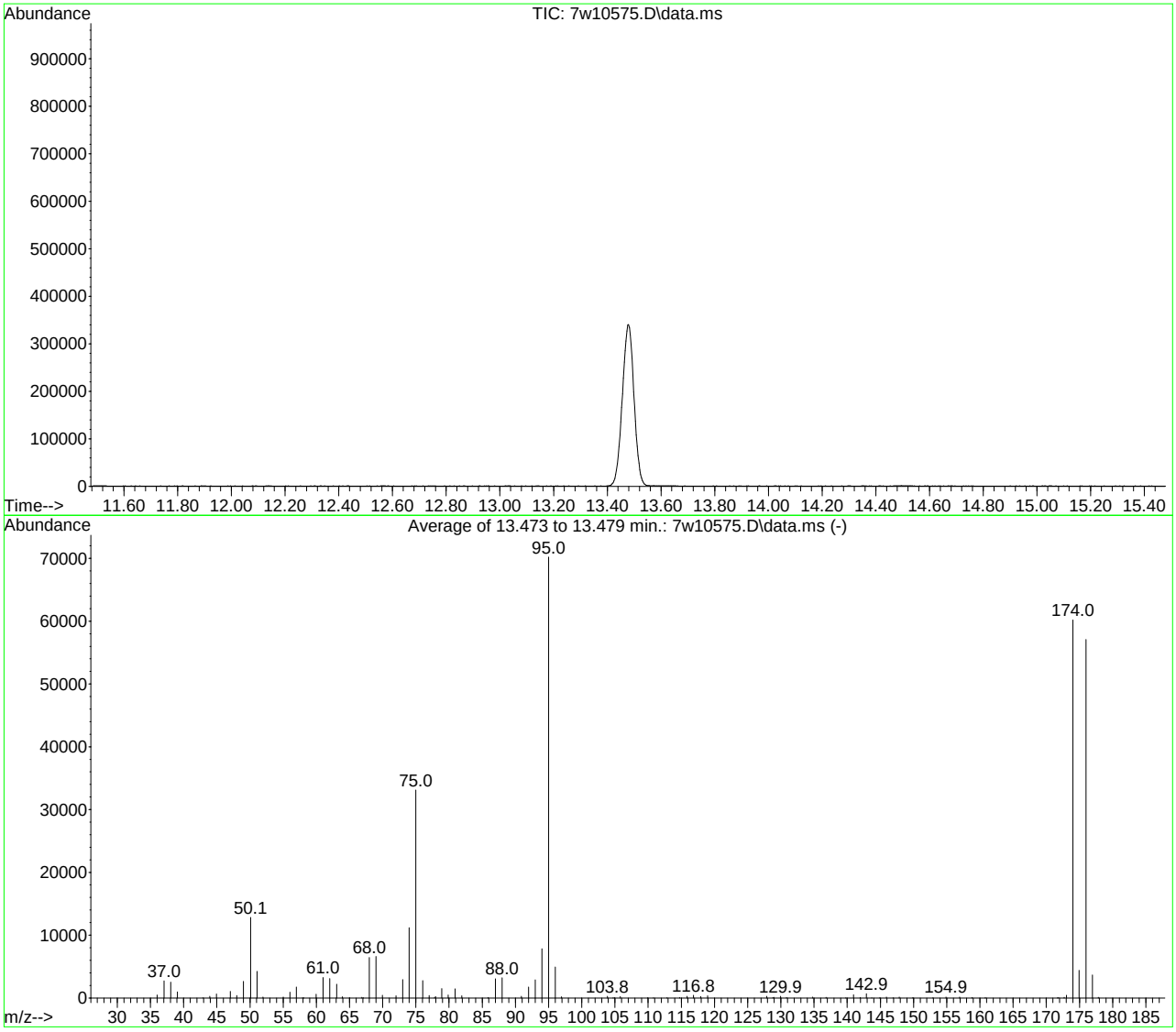
Average of 13.473 to 13.479 min.: 7w10298.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 95.00 | 62667 | 116.90 | 348 | 141.80 | 65 | 172.95 | 262 |
| 96.00 | 4090 | 117.85 | 191 | 142.90 | 519 | 173.95 | 46624 |
| 96.95 | 86 | 118.85 | 328 | 145.80 | 48 | 174.95 | 3614 |
| 103.85 | 240 | 123.80 | 17 | 147.80 | 147 | 176.00 | 46085 |
| 104.70 | 19 | 127.85 | 211 | 149.85 | 41 | 176.95 | 3024 |
| 104.95 | 47 | 128.85 | 88 | 154.90 | 105 | 177.85 | 85 |
| 105.90 | 277 | 129.85 | 194 | 156.90 | 50 | | |
| 106.80 | 49 | 131.00 | 53 | 158.90 | 53 | | |
| 110.80 | 37 | 134.80 | 100 | 160.75 | 78 | | |
| 114.90 | 50 | 136.85 | 107 | 171.80 | 17 | | |
| 115.95 | 246 | 140.95 | 494 | 172.20 | 25 | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.3 | 12830 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 33101 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70203 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 4918 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 423 | PASS |
| 174 | 95 | 50 | 120 | 85.7 | 60187 | PASS |
| 175 | 174 | 4 | 9 | 7.3 | 4410 | PASS |
| 176 | 174 | 93 | 101 | 94.8 | 57075 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3652 | PASS |

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 475 | 51.05 | 4235 | 63.90 | 177 | 76.05 | 2751 |
| 37.05 | 2709 | 51.95 | 158 | 65.00 | 37 | 77.00 | 389 |
| 38.05 | 2533 | 55.00 | 140 | 66.85 | 109 | 77.80 | 90 |
| 39.05 | 947 | 56.00 | 916 | 67.10 | 37 | 77.95 | 221 |
| 42.90 | 23 | 57.00 | 1757 | 68.00 | 6431 | 78.90 | 1509 |
| 43.95 | 261 | 57.90 | 27 | 69.00 | 6603 | 79.85 | 467 |
| 44.95 | 636 | 58.10 | 20 | 69.95 | 418 | 80.90 | 1455 |
| 47.05 | 1056 | 59.95 | 592 | 72.00 | 348 | 81.90 | 341 |
| 48.00 | 407 | 61.00 | 3253 | 73.00 | 2933 | 85.85 | 76 |
| 49.00 | 2644 | 62.00 | 3100 | 74.00 | 11184 | 87.00 | 3069 |
| 50.10 | 12830 | 63.05 | 2183 | 75.00 | 33101 | 88.00 | 3197 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 90.90 | 255 | 109.90 | 18 | 129.95 | 257 | 146.90 | 19 |
| 92.00 | 1740 | 110.80 | 17 | 130.85 | 68 | 147.85 | 138 |
| 93.00 | 2896 | 112.80 | 29 | 134.80 | 126 | 149.90 | 44 |
| 94.00 | 7840 | 114.75 | 68 | 136.80 | 115 | 152.90 | 28 |
| 95.00 | 70203 | 115.85 | 259 | 139.80 | 18 | 154.90 | 165 |
| 96.00 | 4918 | 116.85 | 426 | 140.95 | 528 | 156.95 | 137 |
| 96.95 | 169 | 117.90 | 226 | 141.95 | 63 | 158.80 | 72 |
| 103.85 | 284 | 118.95 | 352 | 142.90 | 664 | 160.80 | 50 |
| 104.70 | 19 | 127.85 | 254 | 143.70 | 17 | 171.70 | 27 |
| 104.90 | 64 | 128.80 | 58 | 144.90 | 40 | 171.85 | 79 |
| 105.80 | 241 | 128.95 | 102 | 145.90 | 126 | 172.70 | 98 |

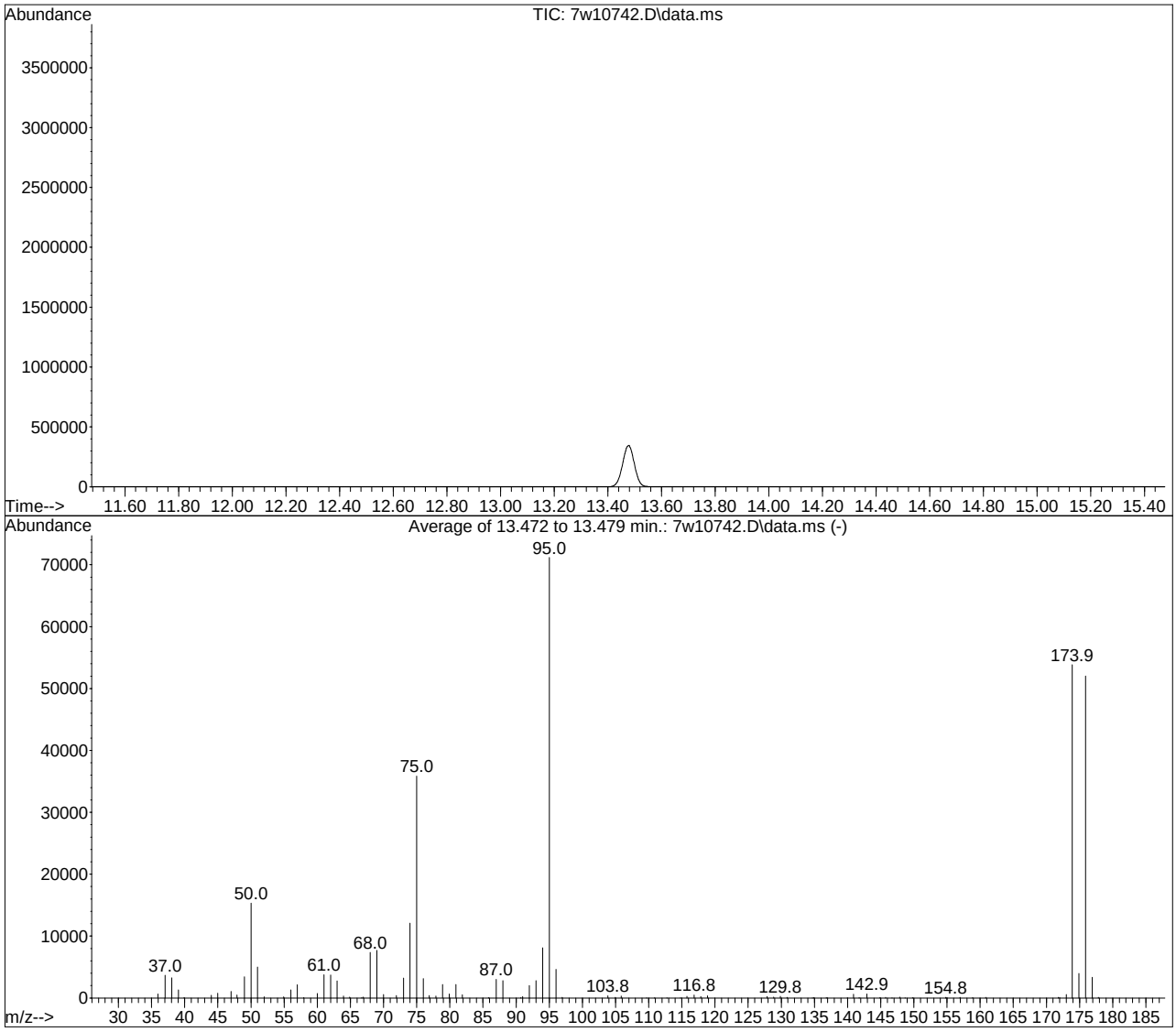
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 173.05 | 423 | | | | | | |
| 174.00 | 60187 | | | | | | |
| 174.95 | 4410 | | | | | | |
| 176.00 | 57075 | | | | | | |
| 176.95 | 3652 | | | | | | |
| 177.85 | 105 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.5 | 15330 | PASS |
| 75 | 95 | 30 | 66 | 50.4 | 35867 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 71168 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4636 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 555 | PASS |
| 174 | 95 | 50 | 120 | 75.6 | 53835 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 3970 | PASS |
| 176 | 174 | 93 | 101 | 96.7 | 52037 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3340 | PASS |

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 641 | 51.00 | 4982 | 64.90 | 144 | 76.90 | 403 |
| 37.05 | 3658 | 52.00 | 195 | 66.70 | 51 | 77.90 | 308 |
| 38.05 | 3278 | 54.95 | 198 | 66.95 | 138 | 78.90 | 2163 |
| 39.05 | 1292 | 56.00 | 1308 | 68.00 | 7370 | 79.90 | 654 |
| 39.90 | 49 | 57.00 | 2150 | 69.00 | 7690 | 80.90 | 2160 |
| 44.00 | 441 | 57.95 | 73 | 70.00 | 553 | 81.90 | 543 |
| 45.00 | 753 | 60.00 | 718 | 71.95 | 405 | 85.85 | 78 |
| 47.00 | 1071 | 61.00 | 3758 | 73.00 | 3211 | 87.00 | 3023 |
| 47.90 | 460 | 62.00 | 3712 | 74.00 | 12109 | 88.00 | 2797 |
| 49.00 | 3430 | 63.00 | 2770 | 75.00 | 35867 | 90.70 | 58 |
| 50.00 | 15330 | 63.95 | 296 | 76.00 | 3130 | 91.00 | 223 |

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2017 | 112.75 | 43 | 134.90 | 74 | 148.70 | 17 |
| 93.00 | 2791 | 114.80 | 24 | 136.80 | 86 | 149.80 | 54 |
| 94.00 | 8088 | 115.75 | 264 | 137.00 | 34 | 154.80 | 124 |
| 95.00 | 71168 | 116.85 | 460 | 139.95 | 38 | 155.00 | 65 |
| 96.00 | 4636 | 117.85 | 217 | 140.90 | 597 | 156.95 | 107 |
| 96.95 | 121 | 118.85 | 364 | 141.75 | 57 | 158.85 | 86 |
| 103.85 | 357 | 127.85 | 236 | 142.90 | 649 | 160.85 | 120 |
| 104.95 | 92 | 128.85 | 136 | 144.90 | 53 | 171.80 | 108 |
| 105.85 | 320 | 129.85 | 257 | 145.75 | 98 | 172.00 | 45 |
| 109.70 | 17 | 130.85 | 98 | 146.70 | 18 | 173.00 | 555 |
| 110.85 | 39 | 134.70 | 35 | 147.85 | 128 | 173.90 | 53835 |

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 174.90 | 3970 | | | | | | |
| 175.90 | 52037 | | | | | | |
| 176.90 | 3340 | | | | | | |
| 177.85 | 124 | | | | | | |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.486 | 128 | 105684 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 519147 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 286700 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.486 | 128 | 105684 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 347533 | 10.21 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 102.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 784 | 0.05 | PPBV | | 88 |
| 3) FREON 152A | 3.939 | 65 | 333m | 0.04 | PPBV | | |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 689 | 0.04 | PPBV | # | 50 |
| 6) DICHLORODIFLUOROMETHANE | 4.043 | 85 | 2148 | 0.04 | PPBV | | 86 |
| 7) PROPYLENE | 4.000 | 41 | 720 | 0.04 | PPBV | | 90 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 1887 | 0.04 | PPBV | # | 69 |
| 9) FREON 114 | 4.225 | 85 | 1325 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 4.158 | 52 | 147 | 0.03 | PPBV | # | 14 |
| 11) VINYL CHLORIDE | 4.310 | 62 | 530 | 0.04 | PPBV | # | 63 |
| 12) 1,3-BUTADIENE | 4.389 | 54 | 533 | 0.05 | PPBV | # | 1 |
| 13) n-BUTANE | 4.420 | 43 | 1329 | 0.06 | PPBV | # | 82 |
| 14) BROMOMETHANE | 4.584 | 94 | 664 | 0.05 | PPBV | # | 62 |
| 15) CHLOROETHANE | 4.694 | 64 | 187 | 0.03 | PPBV | # | 55 |
| 16) DICHLOROFLUOROMETHANE | 4.742 | 67 | 1501 | 0.05 | PPBV | # | 89 |
| 17) ACETONITRILE | 4.986 | 41 | 1004m | 0.08 | PPBV | | |
| 18) ACROLEIN | 5.065 | 56 | 287 | 0.05 | PPBV | # | 1 |
| 19) FREON 123 | 5.022 | 83 | 1323 | 0.04 | PPBV | # | 22 |
| 20) FREON 123A | 5.046 | 117 | 675 | 0.04 | PPBV | # | 71 |
| 21) TRICHLOROFLUOROMETHANE | 5.205 | 101 | 2036 | 0.04 | PPBV | | 91 |
| 22) ISOPROPYL ALCOHOL | 5.418 | 45 | 5563 | 0.14 | PPBV | | 91 |
| 23) ACETONE | 5.223 | 58 | 789 | 0.10 | PPBV | # | 71 |
| 24) PENTANE | 5.448 | 42 | 1282 | 0.08 | PPBV | # | 71 |
| 25) IODOMETHANE | 5.643 | 142 | 1293 | 0.04 | PPBV | | 91 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 524 | 0.05 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 1498 | 0.04 | PPBV | # | 1 |
| 28) ETHANOL | 4.858 | 45 | 2220 | 0.15 | PPBV | | 81 |
| 29) BROMOETHENE | 4.937 | 106 | 421 | 0.04 | PPBV | | 90 |
| 30) ACRYLONITRILE | 5.472 | 52 | 668 | 0.06 | PPBV | # | 74 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 1446 | 0.12 | PPBV | | 92 |
| 32) 3-CHLOROPROPENE | 5.856 | 76 | 165 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.947 | 151 | 971 | 0.04 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 532 | 0.04 | PPBV | # | 85 |
| 35) TERTIARY BUTYL ALCOHOL | 5.929 | 59 | 1399 | 0.04 | PPBV | # | 13 |
| 36) METHYL TERTIARY BUTYL ... | 6.835 | 73 | 2235 | 0.05 | PPBV | | 88 |
| 37) TETRAHYDROFURAN | 8.094 | 72 | 215 | 0.03 | PPBV | # | 55 |
| 38) HEXANE | 7.504 | 57 | 2483 | 0.08 | PPBV | # | 76 |
| 39) VINYL ACETATE | 6.817 | 86 | 39 | 0.01 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.646 | 63 | 1309 | 0.04 | PPBV | | 90 |
| 41) METHYL ETHYL KETONE | 7.127 | 72 | 187 | 0.03 | PPBV | # | 12 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 501 | 0.03 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.620 | 59 | 413 | 0.05 | PPBV | # | 54 |
| 44) ETHYL ACETATE | 7.644 | 61 | 59 | 0.01 | PPBV | # | 1 |
| 45) METHYL ACRYLATE | 7.608 | 55 | 1684m | 0.05 | PPBV | | |
| 46) CHLOROFORM | 7.595 | 83 | 1598 | 0.04 | PPBV | # | 76 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 1230 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 8.471 | 97 | 1740 | 0.04 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 9.031 | 117 | 1741 | 0.04 | PPBV | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.246 | 62 | 1500 | 0.05 | PPBV | # | 93 |
| 52) | BENZENE | 8.885 | 78 | 1857 | 0.05 | PPBV | # | 70 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 619 | 0.04 | PPBV | # | 80 |
| 54) | 2,3-DIMETHYLPENTANE | 9.360 | 71 | 320 | 0.04 | PPBV | # | 56 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 763 | 0.04 | PPBV | # | 82 |
| 56) | 1,2-DICHLOROPROPANE | 9.664 | 63 | 876 | 0.05 | PPBV | # | 64 |
| 57) | DIBROMOMETHANE | 9.621 | 174 | 1032 | 0.05 | PPBV | # | 88 |
| 58) | ETHYL ACRYLATE | 9.725 | 55 | 1763 | 0.04 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 9.834 | 83 | 1738 | 0.04 | PPBV | | 94 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 4015 | 0.05 | PPBV | | 94 |
| 61) | 1,4-DIOXANE | 10.065 | 88 | 314 | 0.03 | PPBV | # | 80 |
| 62) | HEPTANE | 10.144 | 43 | 1610 | 0.04 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.114 | 69 | 605 | 0.04 | PPBV | # | 1 |
| 64) | METHYL ISOBUTYL KETONE | 10.862 | 58 | 656 | 0.04 | PPBV | # | 90 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.704 | 75 | 1163 | 0.04 | PPBV | | 94 |
| 66) | TOLUENE | 11.678 | 92 | 1464 | 0.05 | PPBV | | 93 |
| 67) | 1,3-DICHLOROPROPANE | 11.708 | 76 | 1222 | 0.04 | PPBV | # | 78 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.233 | 75 | 1076 | 0.04 | PPBV | | 88 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 735 | 0.05 | PPBV | | 87 |
| 71) | 2-HEXANONE | 12.049 | 58 | 666 | 0.03 | PPBV | # | 46 |
| 72) | ETHYL METHACRYLATE | 12.000 | 69 | 881 | 0.04 | PPBV | # | 67 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 1092 | 0.05 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 12.103 | 129 | 1408 | 0.04 | PPBV | | 94 |
| 75) | 1,2-DIBROMOETHANE | 12.359 | 107 | 1253 | 0.05 | PPBV | # | 95 |
| 76) | OCTANE | 12.675 | 43 | 2311 | 0.05 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 983 | 0.04 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 13.527 | 112 | 1787 | 0.05 | PPBV | # | 42 |
| 79) | ETHYLBENZENE | 13.941 | 91 | 3189 | 0.05 | PPBV | | 92 |
| 80) | m,p-XYLENE | 14.117 | 106 | 2196 | 0.09 | PPBV | # | 75 |
| 81) | o-XYLENE | 14.646 | 106 | 935 | 0.04 | PPBV | # | 84 |
| 82) | STYRENE | 14.531 | 104 | 1590 | 0.04 | PPBV | | 90 |
| 83) | NONANE | 14.884 | 43 | 2280 | 0.04 | PPBV | # | 90 |
| 84) | BROMOFORM | 14.208 | 173 | 1503 | 0.04 | PPBV | # | 87 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.646 | 83 | 1891 | 0.05 | PPBV | | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 1513 | 0.05 | PPBV | | 90 |
| 88) | ISOPROPYLBENZENE | 15.309 | 105 | 3219 | 0.04 | PPBV | | 97 |
| 89) | BROMOBENZENE | 15.401 | 77 | 1828 | 0.04 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 591 | 0.03 | PPBV | # | 56 |
| 91) | n-PROPYLBENZENE | 15.906 | 120 | 754 | 0.04 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 16.173 | 105 | 2428 | 0.03 | PPBV | | 65 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 2428 | 0.04 | PPBV | | 96 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 1183 | 0.04 | PPBV | | 94 |
| 95) | tert-BUTYLBENZENE | 16.654 | 134 | 514 | 0.04 | PPBV | # | 89 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 2663 | 0.04 | PPBV | | 94 |
| 97) | m-DICHLOROBENZENE | 16.842 | 146 | 2047 | 0.04 | PPBV | | 97 |
| 98) | BENZYL CHLORIDE | 16.830 | 91 | 2647 | 0.04 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 16.928 | 146 | 2240 | 0.05 | PPBV | | 92 |
| 100) | sec-BUTYLBENZENE | 16.982 | 134 | 664 | 0.04 | PPBV | | 98 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 2630 | 0.04 | PPBV | | 95 |
| 102) | p-ISOPROPYLTOLUENE | 17.177 | 134 | 708 | 0.04 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 17.335 | 146 | 2143 | 0.05 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 17.682 | 134 | 675 | 0.04 | PPBV | # | 90 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 1199 | 0.04 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 19.902 | 225 | 2443 | 0.04 | PPBV | | 93 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 2145 | 0.04 | PPBV | | 94 |
| 108) | NAPHTHALENE | 19.495 | 128 | 3440 | 0.04 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.460 | TIC | 5760m | 0.04 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration

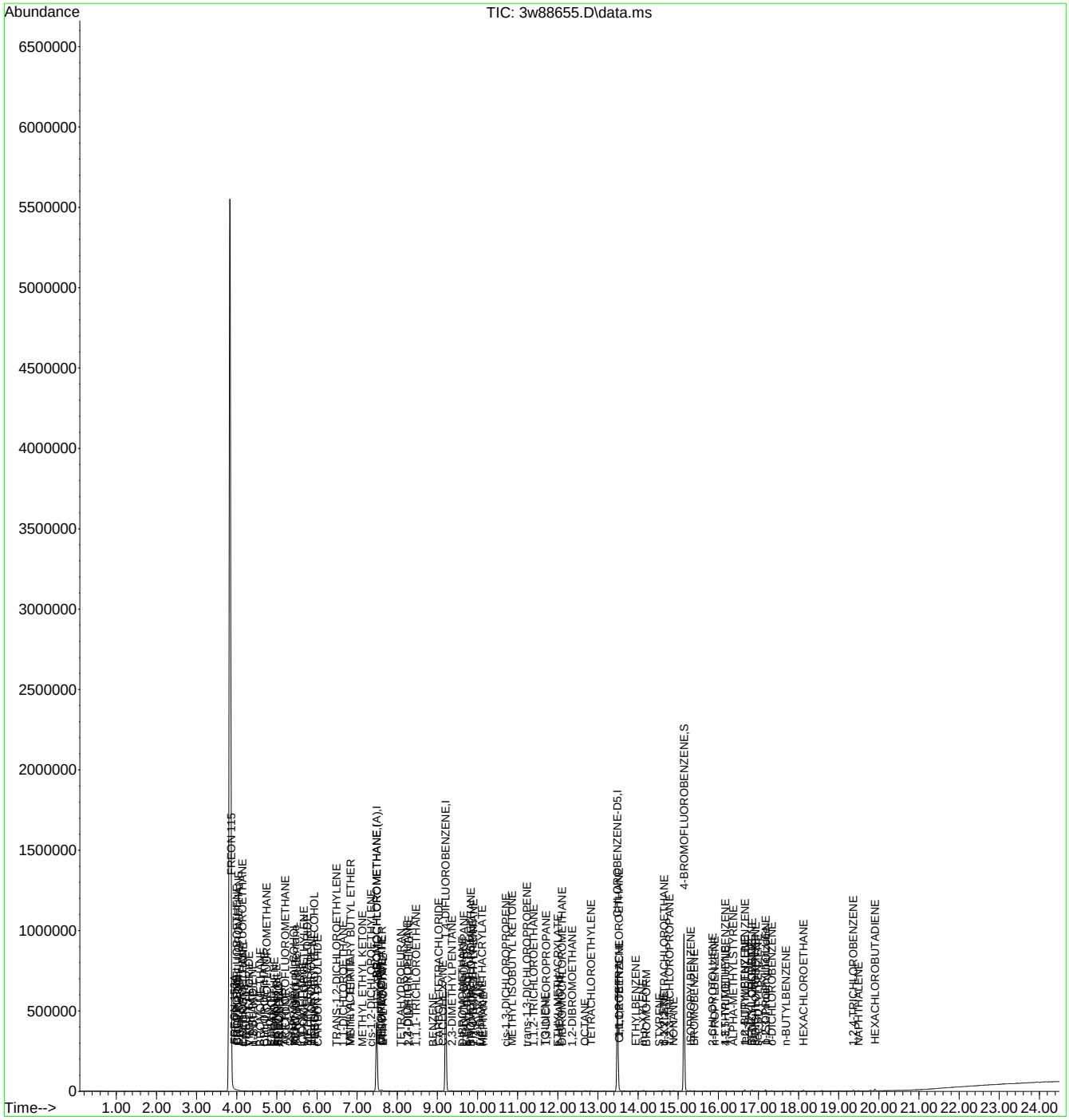
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:46:17 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



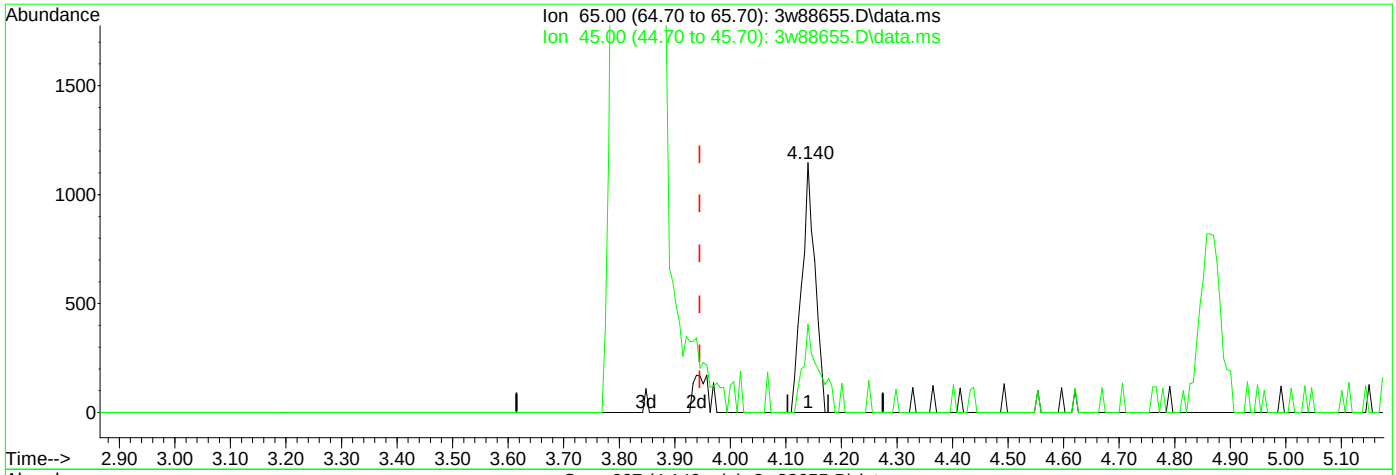
**Sample Number:** V3W3499-IC3499 **Method:** TO-15
**Lab FileID:** 3W88655.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
**Injection Time:** 09/09/24 03:09 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

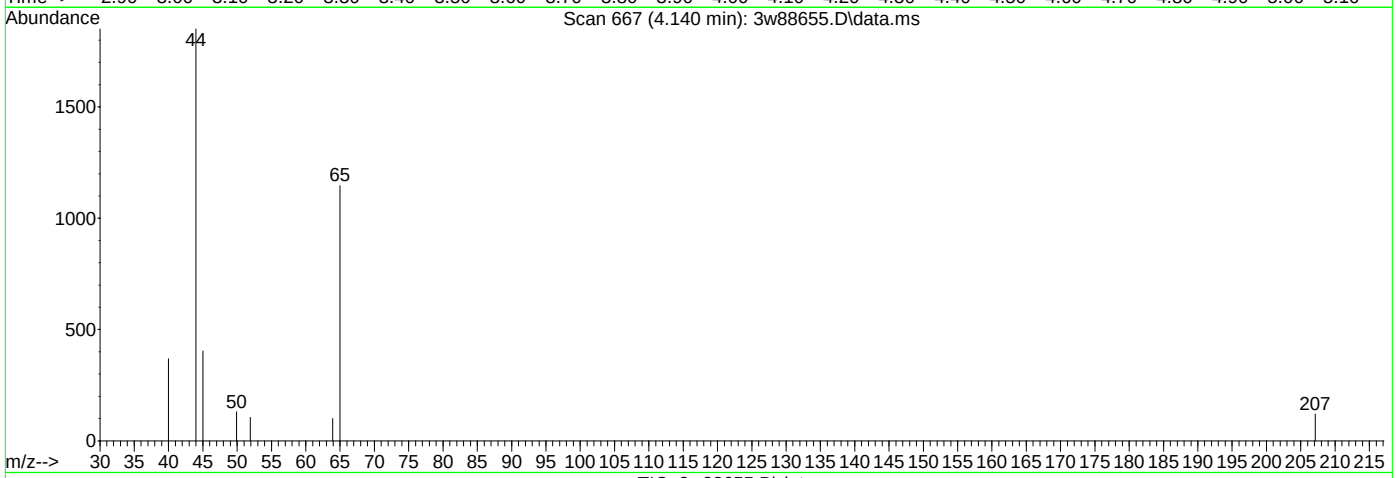
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Freon 152A | 75-37-6 | | 3.94 | Missed peak |
| Acetonitrile | 75-05-8 | | 4.99 | Missed peak |
| TVHC As Equiv Pentane | | | 5.46 | Poor instrument integration |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(3) FREON 152A

4.140min (+0.195) 0.20PPBV

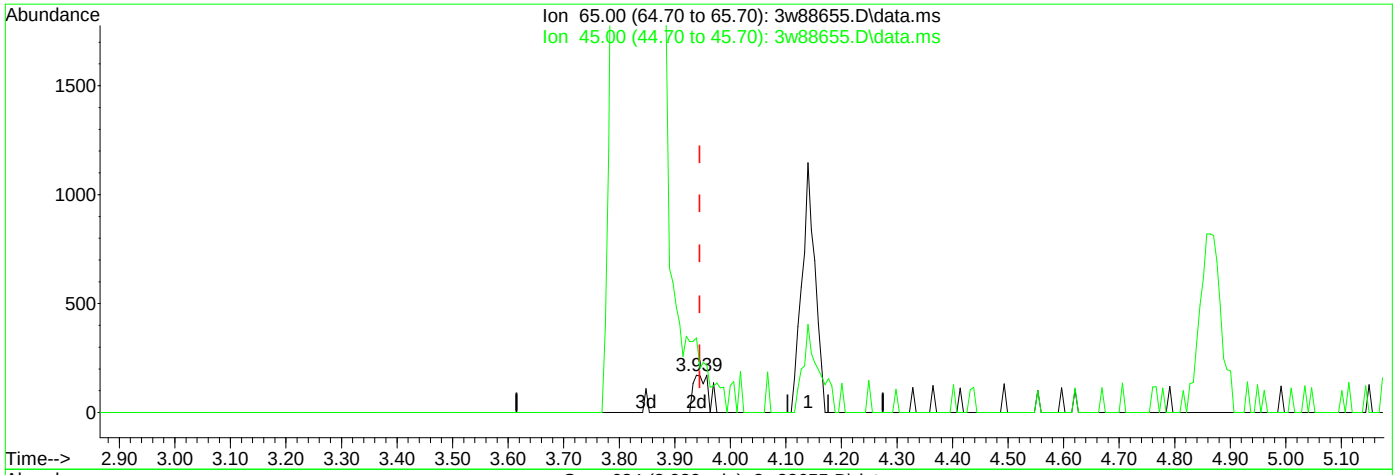
response 1887

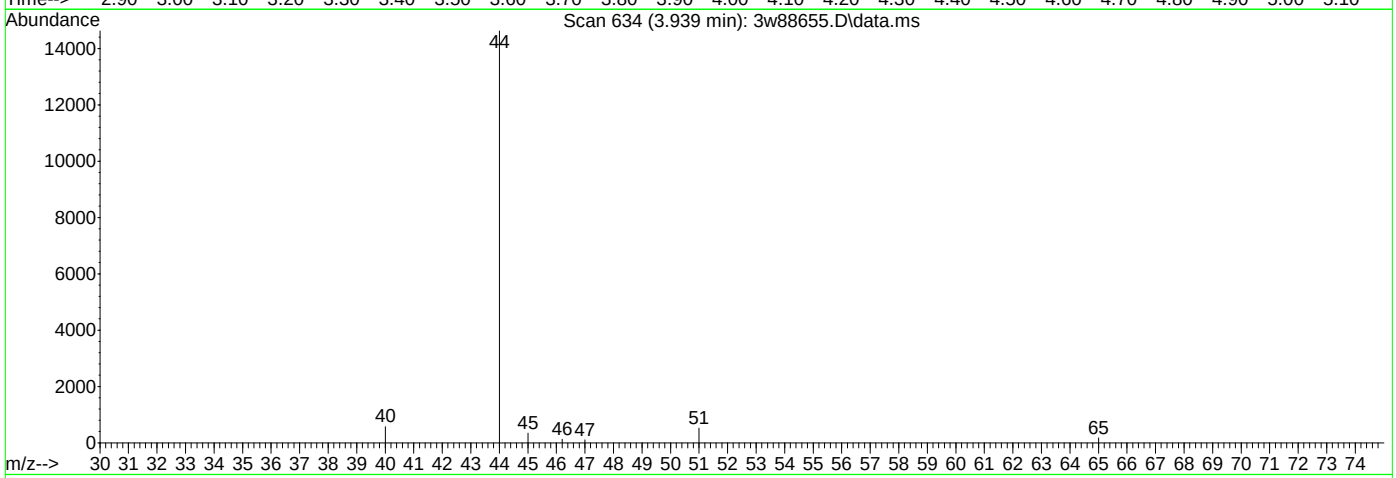
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 48.20 | 42.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(3) FREON 152A

3.939min (-0.006) 0.04PPBV m

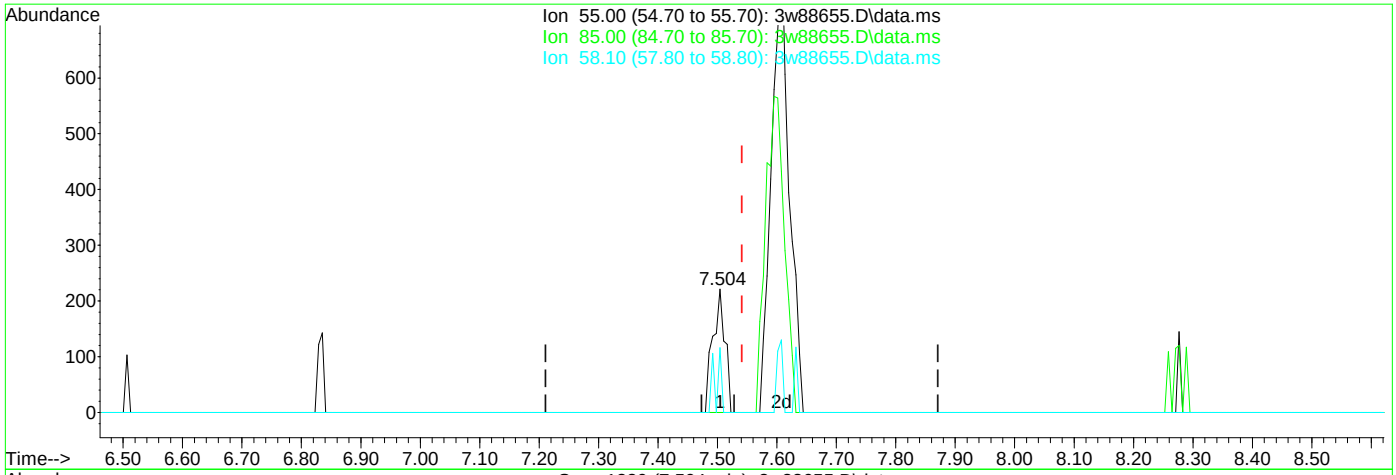
response 333

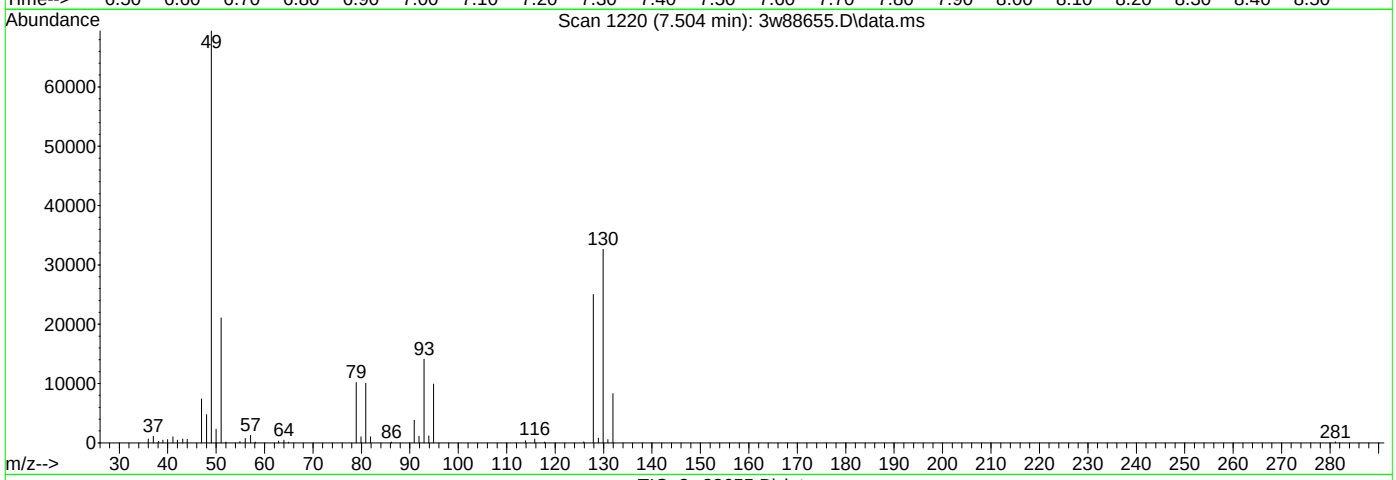
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 48.20 | 240.84# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.01PPBV

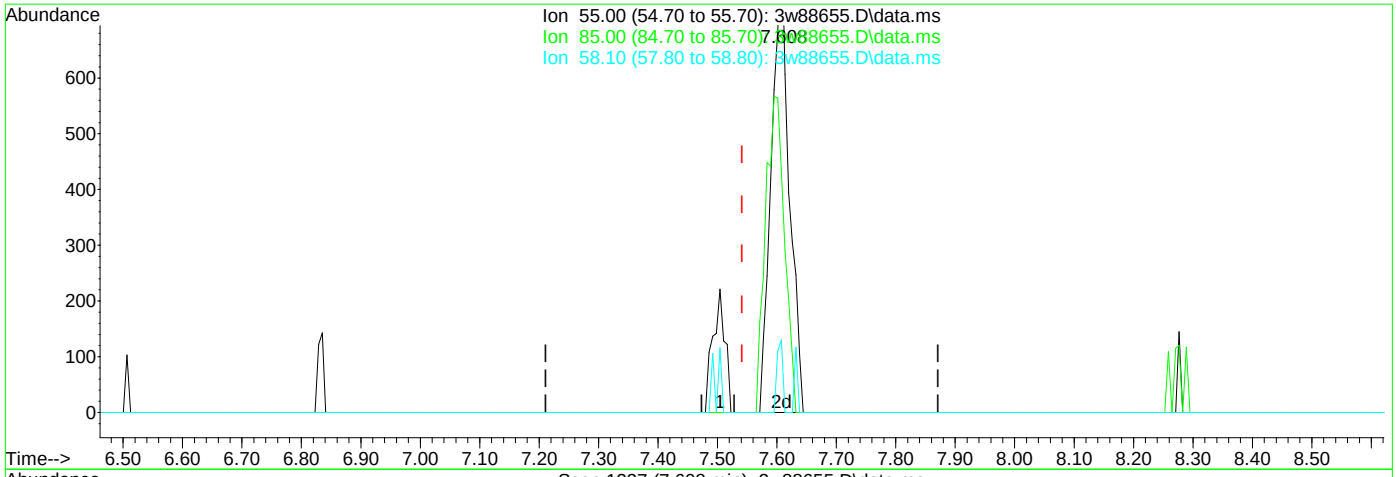
response 313

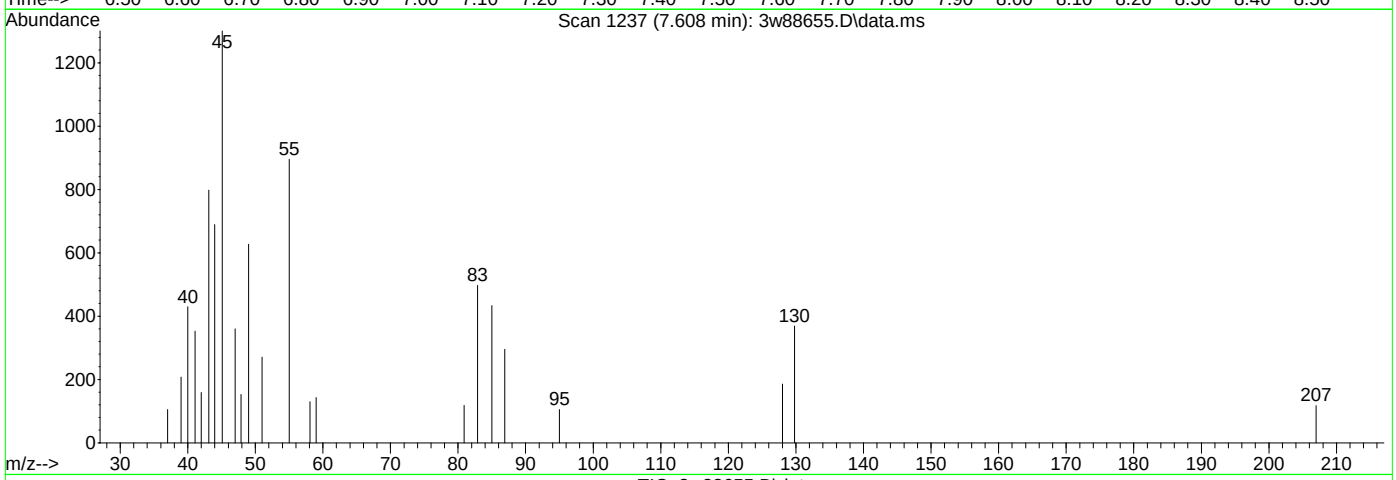
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 25.88# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(45) METHYL ACRYLATE

7.608min (+0.067) 0.05PPBV m

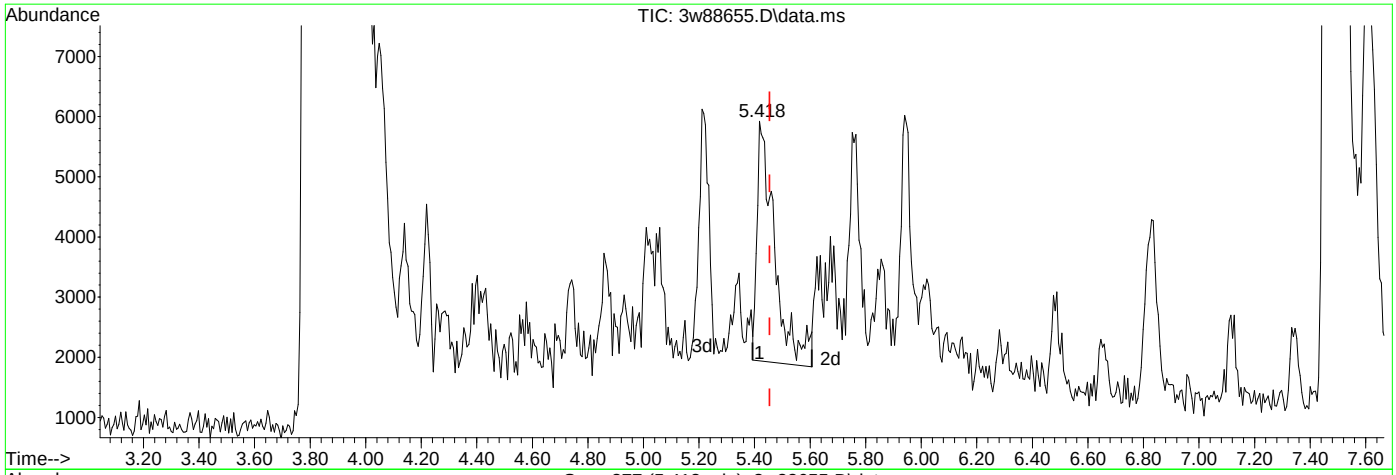
response 1684

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 4.81# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:59 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(110) TVHC as equiv Pentane

5.418min (-0.036) 0.11PPBV

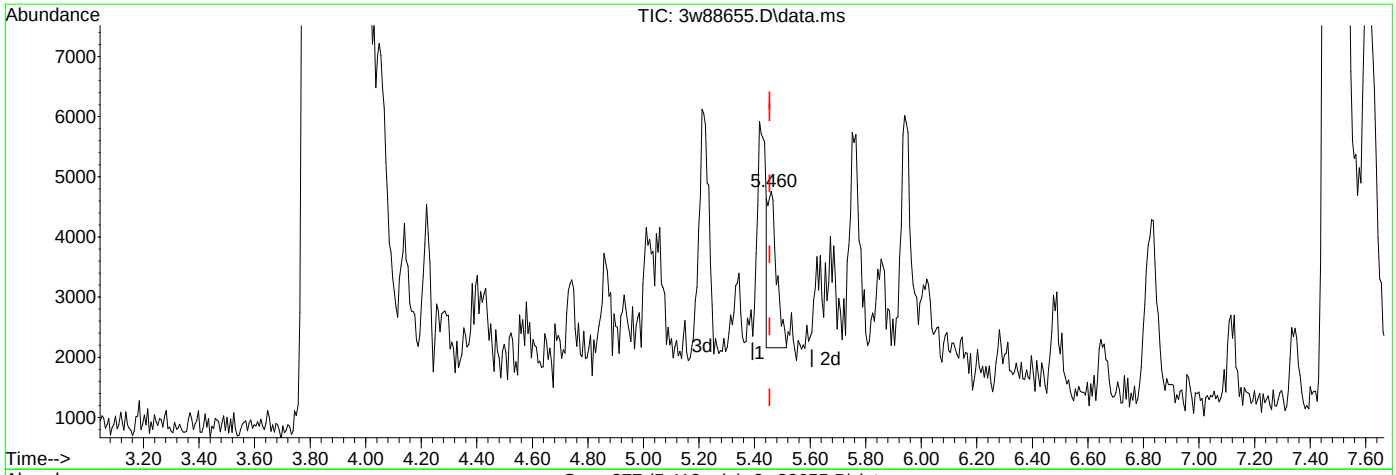
response 17612

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:27:59 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.04PPBV m

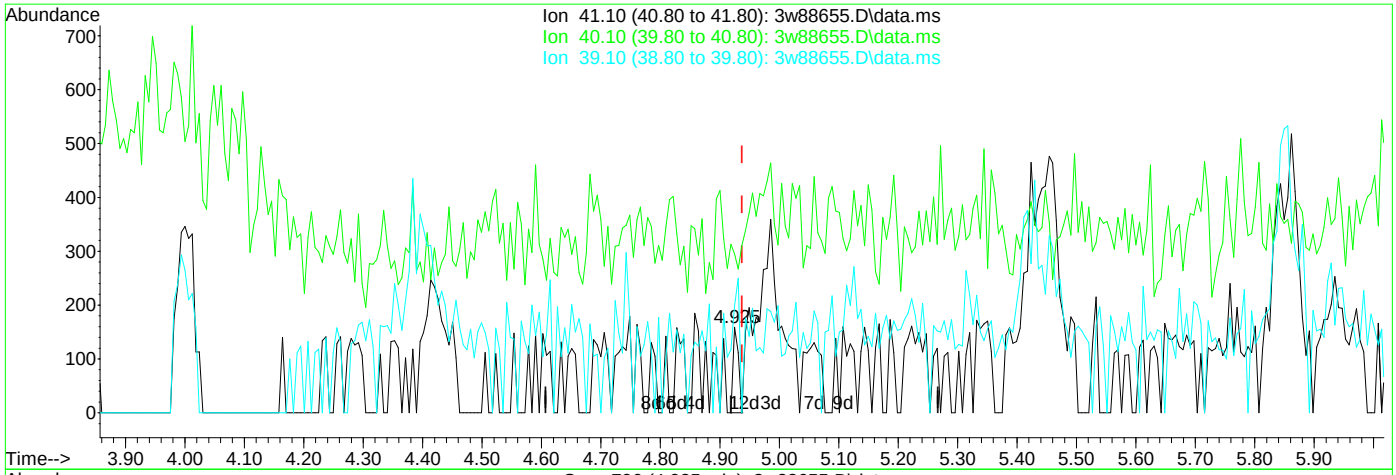
response 5760

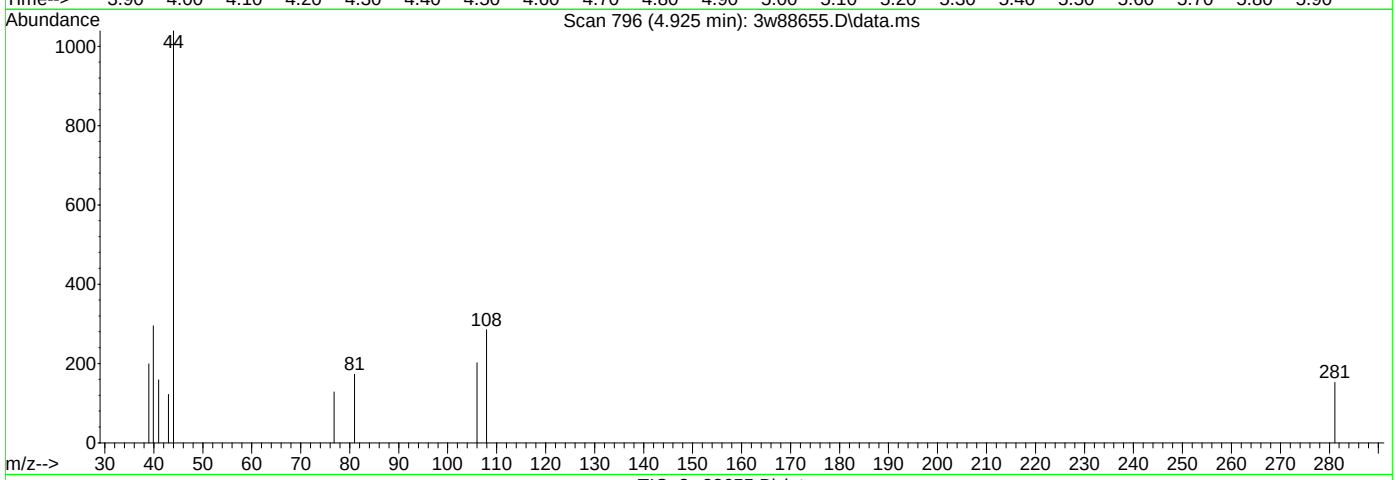
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:41:18 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(17) ACETONITRILE

4.925min (-0.012) 0.01PPBV

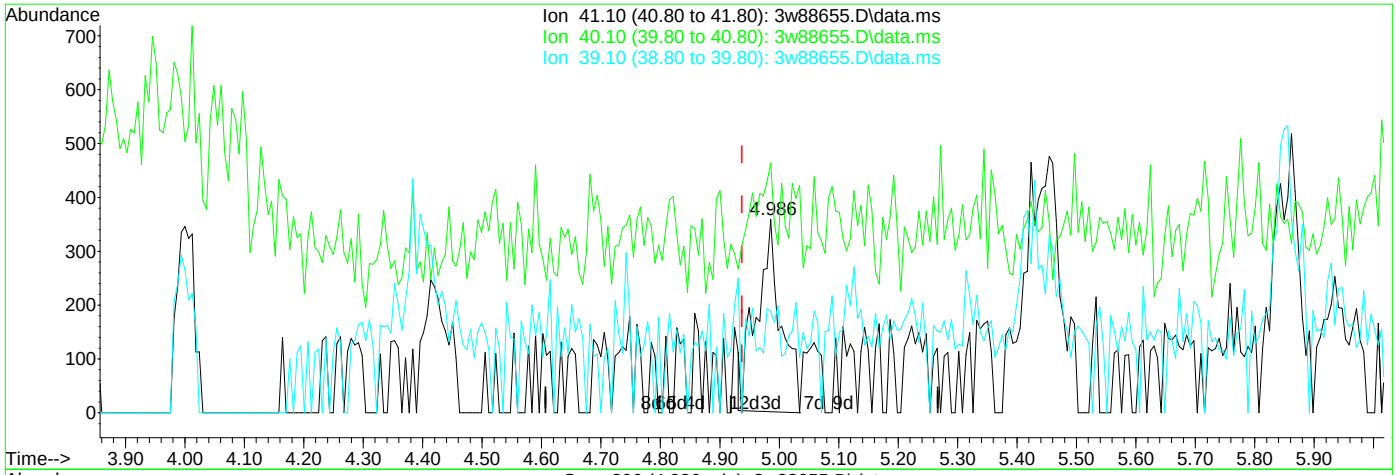
response 99

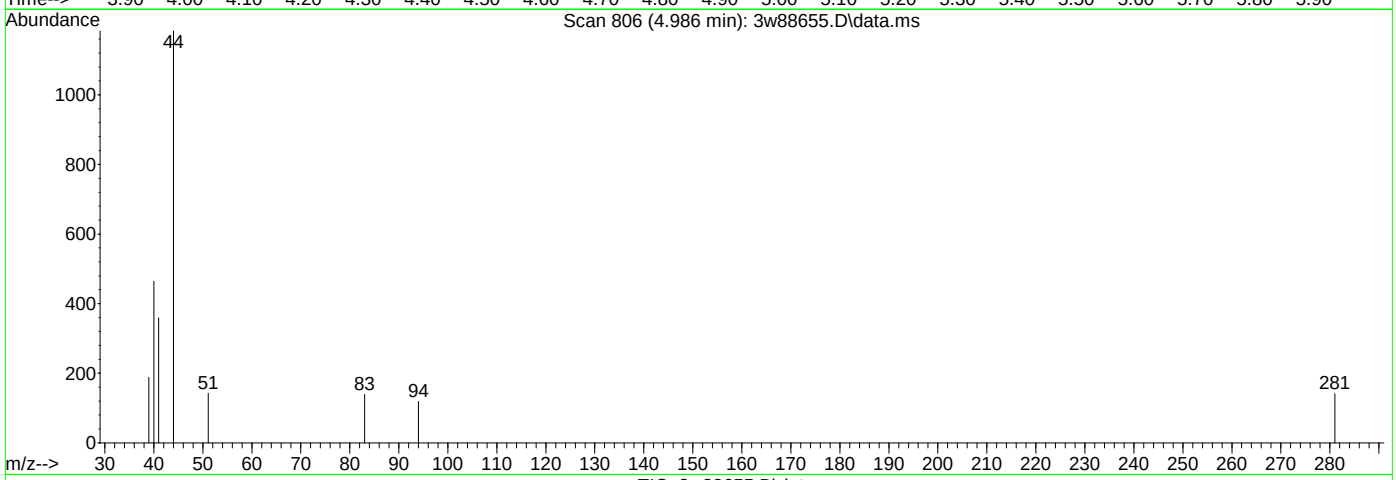
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 0.00# |
| 39.10 | 22.30 | 315.15# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88655.D
Acq On : 9 Sep 2024 3:09 am
Operator : benk
Sample : ic3499-0.04
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:41:18 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:26:51 2024
Response via : Initial Calibration




TIC: 3w88655.D\data.ms

(17) ACETONITRILE

4.986min (+0.049) 0.08PPBV m

response 1004

| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 0.00# |
| 39.10 | 22.30 | 31.08# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 103179 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 516349 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.491 | 82 | 280788 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 103179 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 349316 | 10.55 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 105.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.872 | 119 | 1722 | 0.10 | PPBV | | 90 |
| 3) FREON 152A | 3.951 | 65 | 899m | 0.10 | PPBV | | |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 464 | 0.08 | PPBV | # | 44 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 1786 | 0.10 | PPBV | # | 97 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 5088 | 0.10 | PPBV | | 96 |
| 7) PROPYLENE | 4.000 | 41 | 1885 | 0.11 | PPBV | | 96 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 4868 | 0.11 | PPBV | # | 88 |
| 9) FREON 114 | 4.219 | 85 | 3526 | 0.10 | PPBV | | 98 |
| 10) CHLOROMETHANE | 4.158 | 52 | 634 | 0.12 | PPBV | # | 80 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 1501 | 0.11 | PPBV | # | 81 |
| 12) 1,3-BUTADIENE | 4.408 | 54 | 1303 | 0.12 | PPBV | # | 78 |
| 13) n-BUTANE | 4.426 | 43 | 3133 | 0.15 | PPBV | | 80 |
| 14) BROMOMETHANE | 4.572 | 94 | 1388 | 0.12 | PPBV | | 83 |
| 15) CHLOROETHANE | 4.694 | 64 | 703 | 0.12 | PPBV | # | 66 |
| 16) DICHLOROFLUOROMETHANE | 4.748 | 67 | 3344 | 0.10 | PPBV | | 95 |
| 17) ACETONITRILE | 4.974 | 41 | 1825 | 0.15 | PPBV | # | 41 |
| 18) ACROLEIN | 5.065 | 56 | 819 | 0.14 | PPBV | | 99 |
| 19) FREON 123 | 5.022 | 83 | 3190 | 0.11 | PPBV | | 90 |
| 20) FREON 123A | 5.053 | 117 | 1774 | 0.10 | PPBV | # | 80 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 5120 | 0.11 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.424 | 45 | 7149 | 0.20 | PPBV | | 86 |
| 23) ACETONE | 5.217 | 58 | 1179 | 0.17 | PPBV | # | 65 |
| 24) PENTANE | 5.460 | 42 | 2530 | 0.17 | PPBV | | 87 |
| 25) IODOMETHANE | 5.637 | 142 | 3438 | 0.11 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.679 | 96 | 1211 | 0.11 | PPBV | # | 86 |
| 27) CARBON DISULFIDE | 6.008 | 76 | 4177 | 0.11 | PPBV | # | 56 |
| 28) ETHANOL | 4.870 | 45 | 3778 | 0.32 | PPBV | | 92 |
| 29) BROMOETHENE | 4.925 | 106 | 1154 | 0.10 | PPBV | | 91 |
| 30) ACRYLONITRILE | 5.466 | 52 | 1461 | 0.14 | PPBV | | 90 |
| 31) METHYLENE CHLORIDE | 5.764 | 84 | 1839 | 0.17 | PPBV | | 85 |
| 32) 3-CHLOROPROPENE | 5.856 | 76 | 563 | 0.10 | PPBV | # | 22 |
| 33) FREON 113 | 5.947 | 151 | 2371 | 0.10 | PPBV | | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.482 | 96 | 1487 | 0.11 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.935 | 59 | 3746 | 0.10 | PPBV | # | 58 |
| 36) METHYL TERTIARY BUTYL ... | 6.823 | 73 | 4769 | 0.11 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.088 | 72 | 630 | 0.10 | PPBV | # | 84 |
| 38) HEXANE | 7.504 | 57 | 4245 | 0.15 | PPBV | # | 75 |
| 39) VINYL ACETATE | 6.817 | 86 | 280 | 0.10 | PPBV | # | 42 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 3758 | 0.12 | PPBV | | 95 |
| 41) METHYL ETHYL KETONE | 7.109 | 72 | 609 | 0.09 | PPBV | | 99 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.340 | 96 | 1497 | 0.11 | PPBV | | 90 |
| 43) DIISOPROPYL ETHER | 7.602 | 59 | 858 | 0.11 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.638 | 61 | 582 | 0.11 | PPBV | # | 51 |
| 45) METHYL ACRYLATE | 7.602 | 55 | 3784m | 0.11 | PPBV | | |
| 46) CHLOROFORM | 7.602 | 83 | 3970 | 0.11 | PPBV | | 86 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 3493 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 8.472 | 97 | 4347 | 0.11 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 4512 | 0.10 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.246 | 62 | 3270 | 0.10 | PPBV | | 95 |
| 52) | BENZENE | 8.897 | 78 | 4703 | 0.12 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 9.135 | 84 | 1716 | 0.10 | PPBV | # | 84 |
| 54) | 2,3-DIMETHYLPENTANE | 9.360 | 71 | 996 | 0.11 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 9.871 | 95 | 2079 | 0.10 | PPBV | | 89 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 1962 | 0.11 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 9.634 | 174 | 2195 | 0.11 | PPBV | | 89 |
| 58) | ETHYL ACRYLATE | 9.725 | 55 | 4590 | 0.10 | PPBV | # | 94 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 4318 | 0.10 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 9485 | 0.11 | PPBV | | 92 |
| 61) | 1,4-DIOXANE | 10.059 | 88 | 1091 | 0.11 | PPBV | | 88 |
| 62) | HEPTANE | 10.145 | 43 | 4114 | 0.11 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.120 | 69 | 1654 | 0.11 | PPBV | # | 4 |
| 64) | METHYL ISOBUTYL KETONE | 10.862 | 58 | 1560 | 0.09 | PPBV | # | 87 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.704 | 75 | 2814 | 0.09 | PPBV | | 93 |
| 66) | TOLUENE | 11.678 | 92 | 2953 | 0.10 | PPBV | | 93 |
| 67) | 1,3-DICHLOROPROPANE | 11.708 | 76 | 2813 | 0.10 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 2843 | 0.09 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.404 | 83 | 1635 | 0.10 | PPBV | | 90 |
| 71) | 2-HEXANONE | 12.055 | 58 | 2234 | 0.11 | PPBV | # | 87 |
| 72) | ETHYL METHACRYLATE | 12.012 | 69 | 2294 | 0.10 | PPBV | # | 90 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 2498 | 0.13 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 12.103 | 129 | 3576 | 0.11 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.359 | 107 | 3107 | 0.12 | PPBV | # | 99 |
| 76) | OCTANE | 12.675 | 43 | 5415 | 0.12 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 2692 | 0.12 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 13.539 | 112 | 4485 | 0.13 | PPBV | # | 41 |
| 79) | ETHYLBENZENE | 13.941 | 91 | 7585 | 0.12 | PPBV | | 98 |
| 80) | m,p-XYLENE | 14.129 | 106 | 5413 | 0.24 | PPBV | # | 80 |
| 81) | o-XYLENE | 14.640 | 106 | 2584 | 0.12 | PPBV | | 96 |
| 82) | STYRENE | 14.525 | 104 | 3840 | 0.11 | PPBV | | 98 |
| 83) | NONANE | 14.890 | 43 | 5570 | 0.11 | PPBV | # | 94 |
| 84) | BROMOFORM | 14.221 | 173 | 3665 | 0.10 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.640 | 83 | 4718 | 0.13 | PPBV | | 97 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.786 | 75 | 3672 | 0.11 | PPBV | | 98 |
| 88) | ISOPROPYLBENZENE | 15.303 | 105 | 8096 | 0.11 | PPBV | | 97 |
| 89) | BROMOBENZENE | 15.389 | 77 | 4842 | 0.12 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 1892 | 0.11 | PPBV | | 92 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 2002 | 0.11 | PPBV | | 98 |
| 92) | 4-ETHYLTOLUENE | 16.082 | 105 | 7550 | 0.11 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.179 | 105 | 6539 | 0.11 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 2934 | 0.10 | PPBV | | 95 |
| 95) | tert-BUTYLBENZENE | 16.660 | 134 | 1132 | 0.09 | PPBV | # | 72 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.672 | 105 | 6602 | 0.10 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 16.843 | 146 | 5114 | 0.11 | PPBV | | 94 |
| 98) | BENZYL CHLORIDE | 16.830 | 91 | 6194 | 0.10 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 16.922 | 146 | 5383 | 0.12 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 16.982 | 134 | 1802 | 0.11 | PPBV | # | 91 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 6573 | 0.10 | PPBV | | 96 |
| 102) | p-ISOPROPYLTOLUENE | 17.177 | 134 | 1958 | 0.10 | PPBV | # | 91 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 5142 | 0.12 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 1839 | 0.10 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 18.132 | 117 | 2921 | 0.10 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 5825 | 0.11 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 5783 | 0.11 | PPBV | | 98 |
| 108) | NAPHTHALENE | 19.489 | 128 | 9021 | 0.10 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 13150m | 0.10 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration

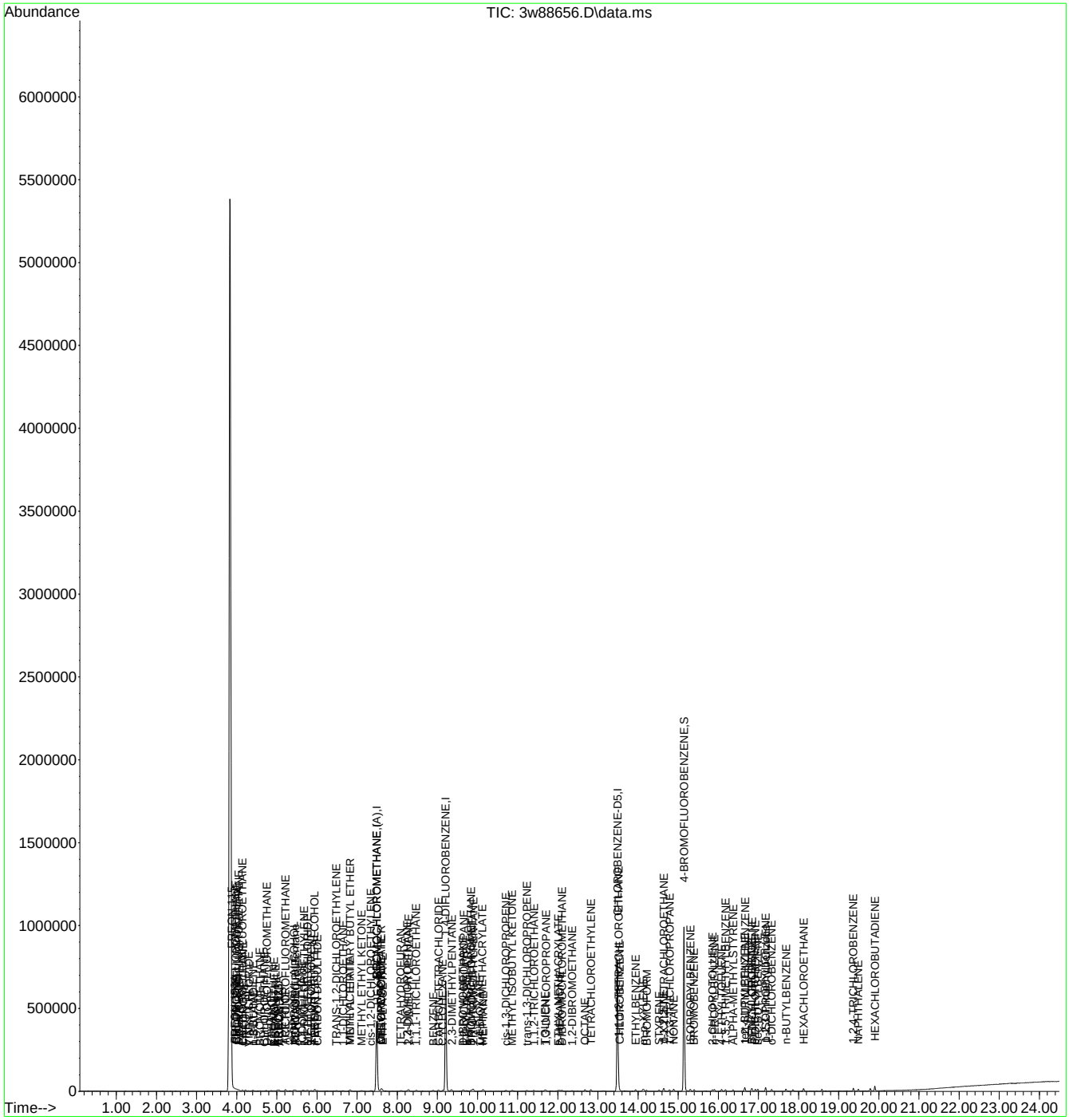
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:40:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



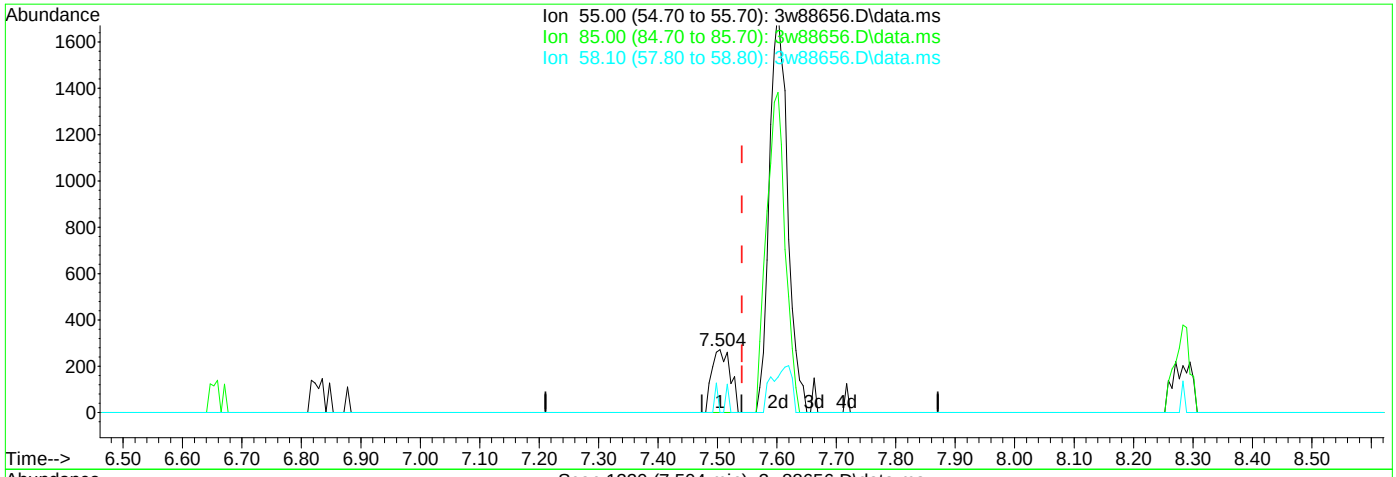
**Sample Number:** V3W3499-IC3499 **Method:** TO-15
**Lab FileID:** 3W88656.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
**Injection Time:** 09/09/24 03:49 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

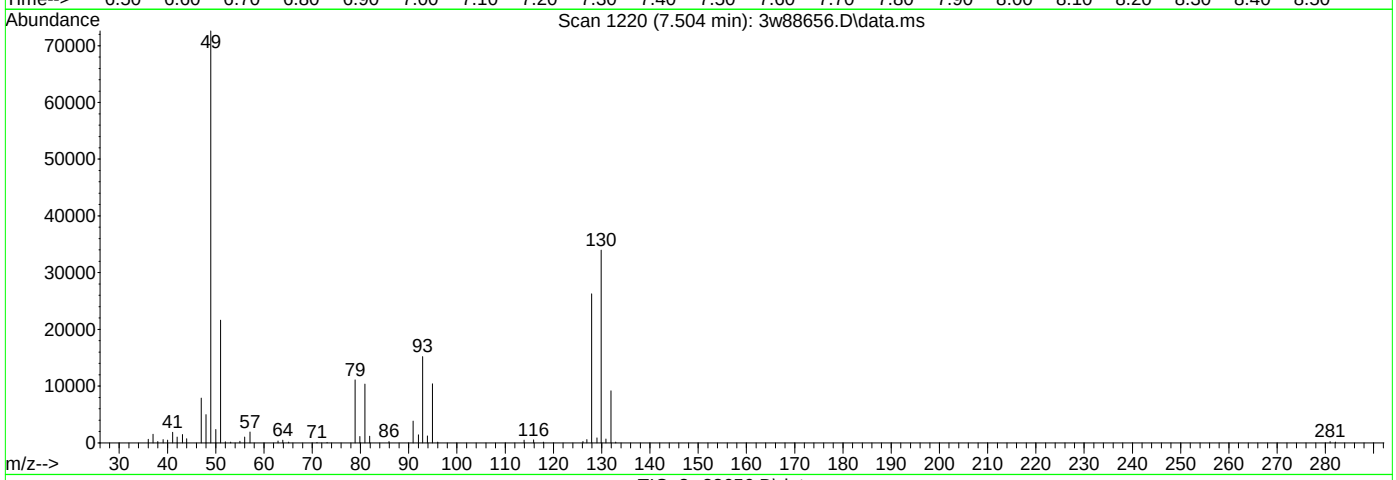
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Freon 152A | 75-37-6 | | 3.95 | Missed peak |
| TVHC As Equiv Pentane | | | 5.45 | Poor instrument integration |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:04 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.02PPBV

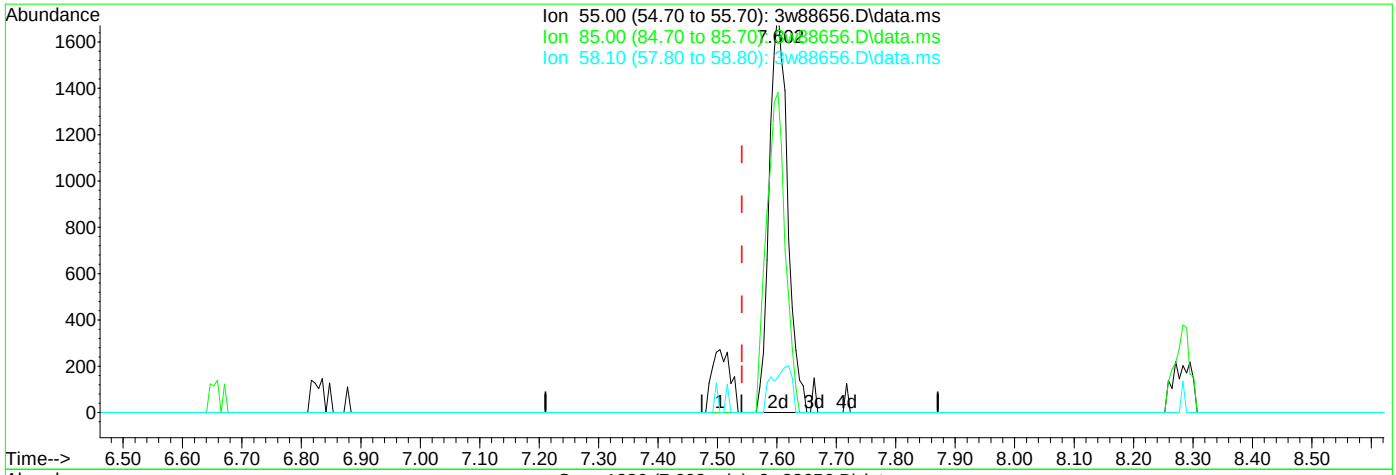
response 591

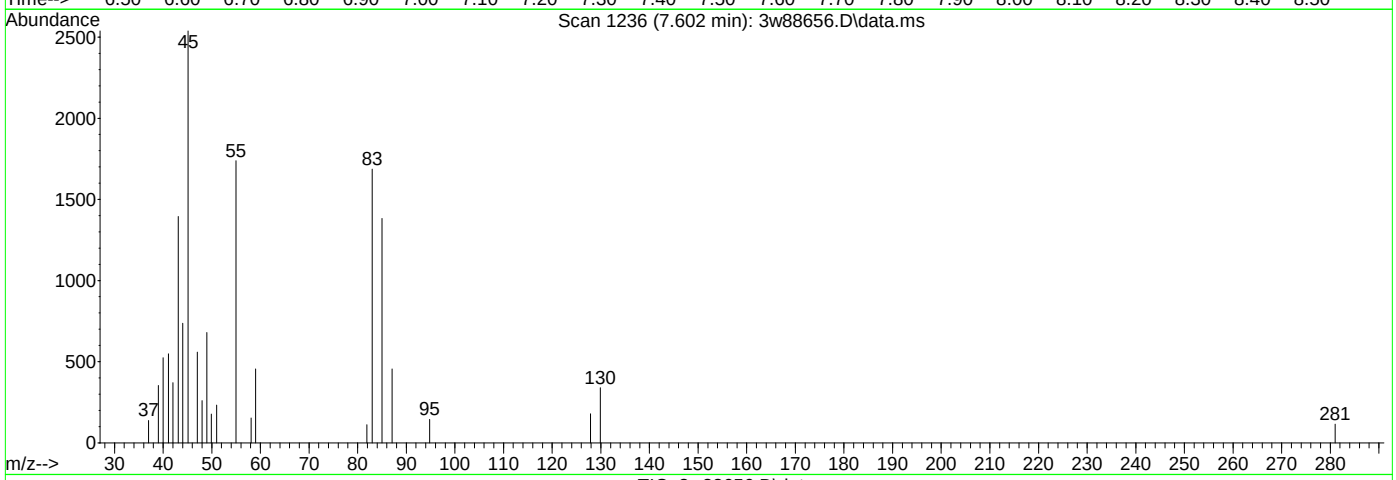
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 7.78# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:04 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(45) METHYL ACRYLATE

7.602min (+0.061) 0.11PPBV m

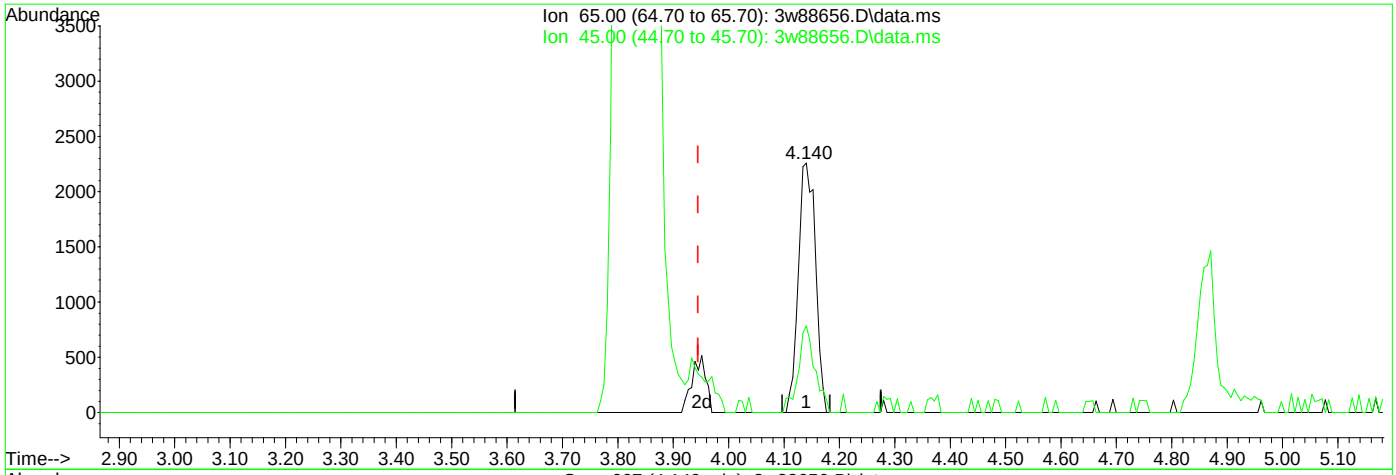
response 3784

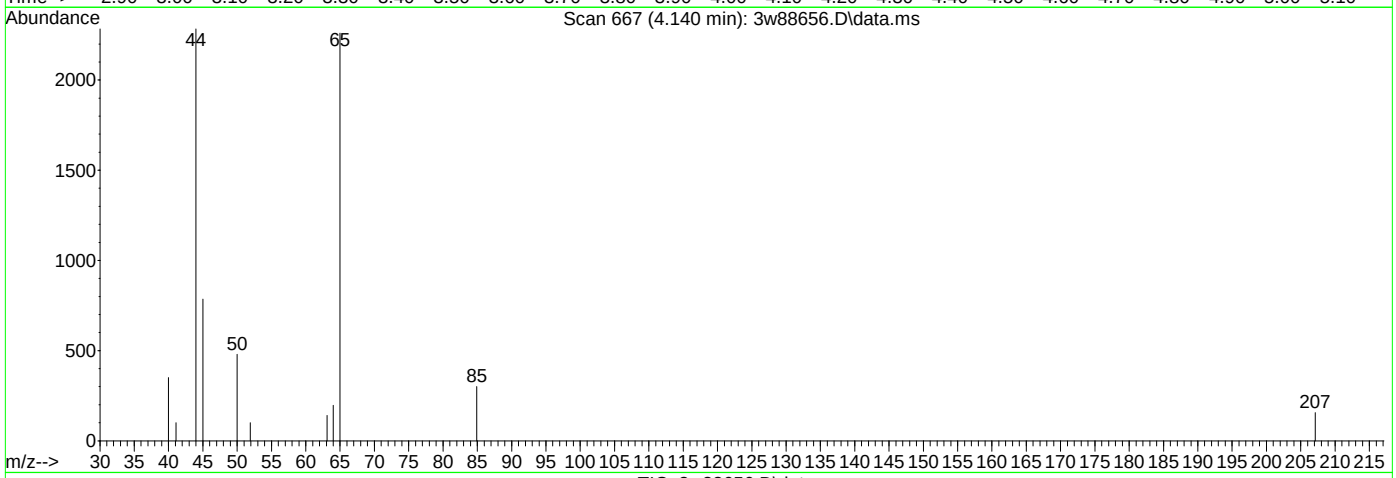
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 1.22# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(3) FREON 152A

4.140min (+0.195) 0.53PPBV

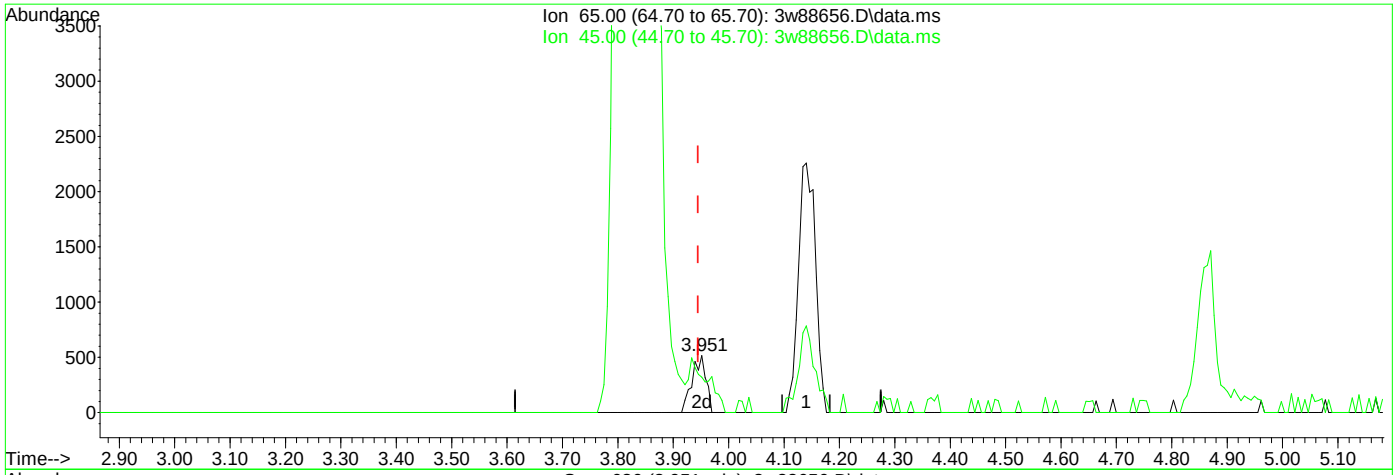
response 4868

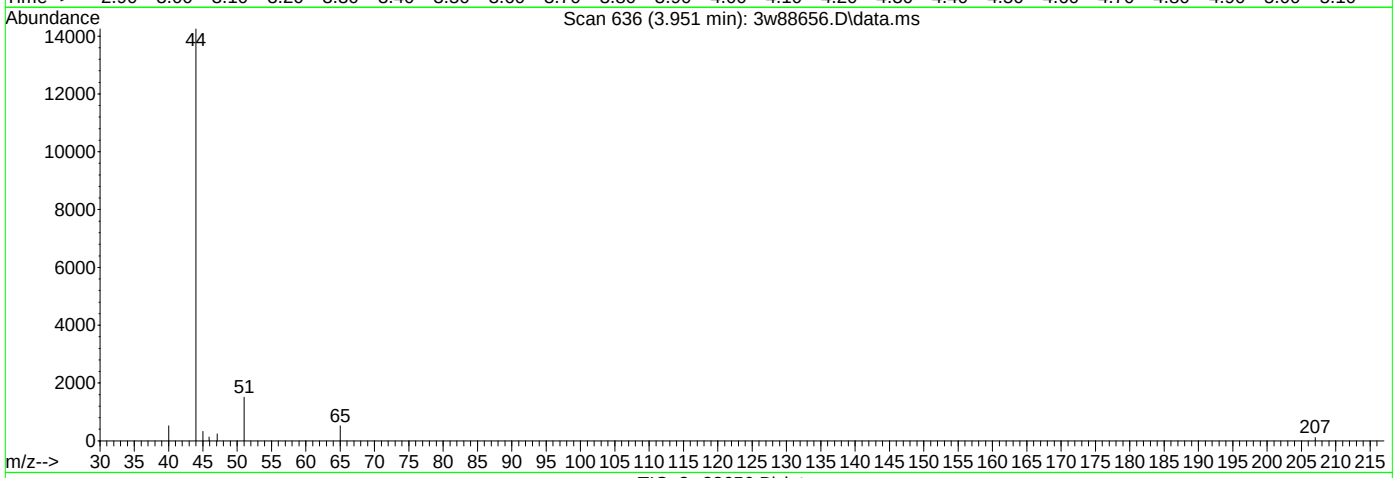
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 48.20 | 34.12 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:25:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(3) FREON 152A

3.951min (+0.006) 0.10PPBV m

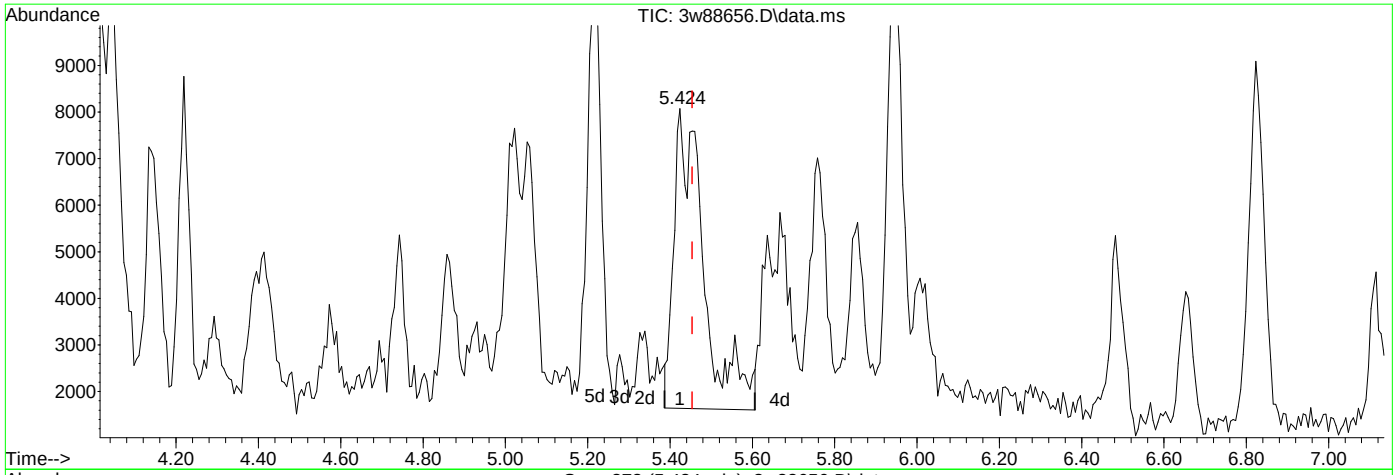
response 899

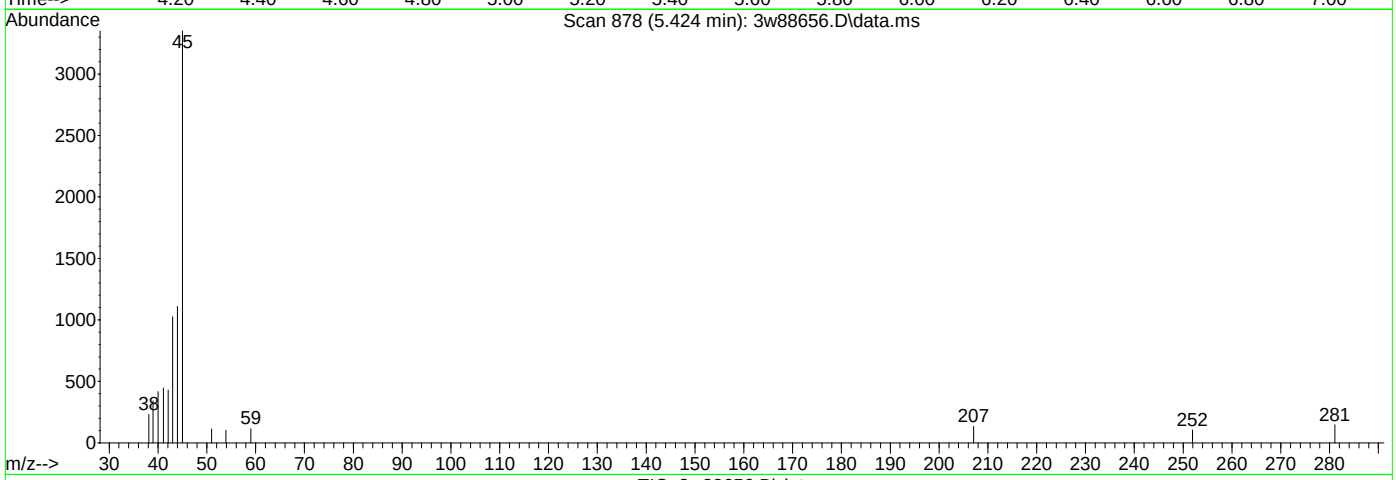
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 48.20 | 184.76# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:26:38 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(110) TVHC as equiv Pentane

5.424min (-0.030) 0.25PPBV

response 32375

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

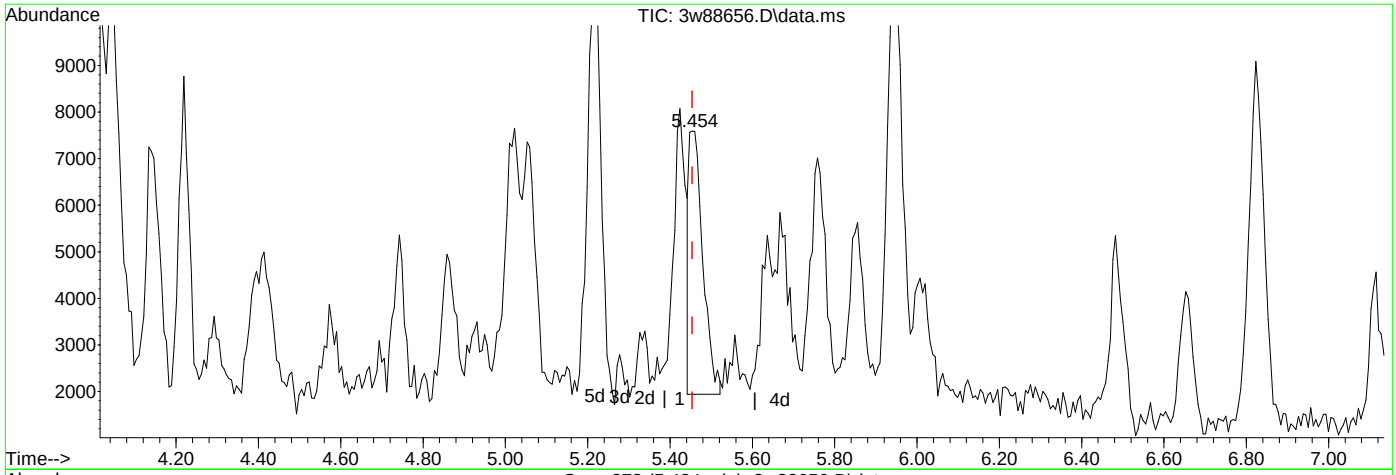


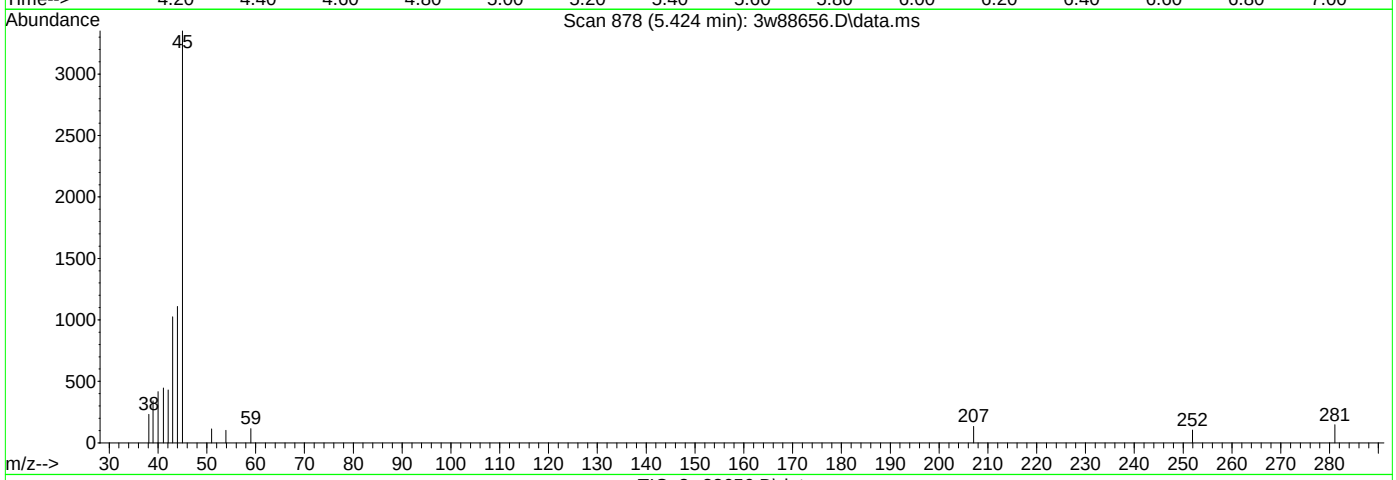
3W88656.D edits: TVHC as equiv Pentane

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88656.D
Acq On : 9 Sep 2024 3:49 am
Operator : benk
Sample : ic3499-0.1
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:26:38 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:24:49 2024
Response via : Initial Calibration




TIC: 3w88656.D\data.ms

(110) TVHC as equiv Pentane

5.454min (+0.000) 0.10PPBV m

response 13150

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



3W88656.D edits: TVHC as equiv Pentane

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.486 | 128 | 101175 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 497986 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 275478 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.486 | 128 | 101175 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 347746 | 10.83 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.30% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.872 | 119 | 3455 | 0.21 | PPBV | | 95 |
| 3) FREON 152A | 3.945 | 65 | 1797 | 0.20 | PPBV | | 71 |
| 4) CHLORODIFLUOROMETHANE | 3.982 | 67 | 1092 | 0.19 | PPBV | # | 55 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 3397 | 0.19 | PPBV | # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 9579 | 0.18 | PPBV | | 96 |
| 7) PROPYLENE | 4.000 | 41 | 3467 | 0.21 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 9720 | 0.21 | PPBV | | 93 |
| 9) FREON 114 | 4.225 | 85 | 6705 | 0.19 | PPBV | | 96 |
| 10) CHLOROMETHANE | 4.164 | 52 | 1068 | 0.21 | PPBV | # | 74 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 2671 | 0.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.396 | 54 | 2144 | 0.20 | PPBV | # | 71 |
| 13) n-BUTANE | 4.426 | 43 | 4793 | 0.23 | PPBV | # | 74 |
| 14) BROMOMETHANE | 4.572 | 94 | 2643 | 0.24 | PPBV | | 84 |
| 15) CHLOROETHANE | 4.694 | 64 | 1144 | 0.19 | PPBV | # | 57 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 6648 | 0.21 | PPBV | | 97 |
| 17) ACETONITRILE | 4.973 | 41 | 2721m | 0.24 | PPBV | | |
| 18) ACROLEIN | 5.065 | 56 | 1283 | 0.23 | PPBV | | 94 |
| 19) FREON 123 | 5.016 | 83 | 5717 | 0.20 | PPBV | | 99 |
| 20) FREON 123A | 5.059 | 117 | 3458 | 0.21 | PPBV | | 97 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 10350 | 0.22 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.424 | 45 | 10375 | 0.33 | PPBV | | 83 |
| 23) ACETONE | 5.211 | 58 | 1971 | 0.30 | PPBV | # | 68 |
| 24) PENTANE | 5.448 | 42 | 4122 | 0.30 | PPBV | | 87 |
| 25) IODOMETHANE | 5.637 | 142 | 6904 | 0.22 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 5.667 | 96 | 2244 | 0.21 | PPBV | | 96 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 7852 | 0.22 | PPBV | # | 61 |
| 28) ETHANOL | 4.864 | 45 | 5906 | 0.69 | PPBV | | 92 |
| 29) BROMOETHENE | 4.931 | 106 | 2358 | 0.22 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.466 | 52 | 2777 | 0.29 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 3071 | 0.31 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.850 | 76 | 1185 | 0.22 | PPBV | # | 88 |
| 33) FREON 113 | 5.953 | 151 | 4620 | 0.21 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 2667 | 0.20 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 5.935 | 59 | 7203 | 0.20 | PPBV | # | 73 |
| 36) METHYL TERTIARY BUTYL ... | 6.823 | 73 | 9744 | 0.22 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.088 | 72 | 1207 | 0.19 | PPBV | | 94 |
| 38) HEXANE | 7.504 | 57 | 6846 | 0.25 | PPBV | # | 76 |
| 39) VINYL ACETATE | 6.811 | 86 | 609 | 0.21 | PPBV | # | 87 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 6694 | 0.22 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 7.103 | 72 | 1363 | 0.21 | PPBV | # | 75 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.340 | 96 | 2983 | 0.22 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 7.602 | 59 | 1744 | 0.23 | PPBV | # | 95 |
| 44) ETHYL ACETATE | 7.626 | 61 | 1141 | 0.23 | PPBV | # | 60 |
| 45) METHYL ACRYLATE | 7.602 | 55 | 7389m | 0.22 | PPBV | | |
| 46) CHLOROFORM | 7.602 | 83 | 7787 | 0.23 | PPBV | | 85 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 6683 | 0.21 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 8611 | 0.22 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.031 | 117 | 8793 | 0.20 | PPBV | | 98 |
| 50) 1,2-DICHLOROETHANE | 8.253 | 62 | 6539 | 0.21 | PPBV | | 97 |
| 52) BENZENE | 8.891 | 78 | 8626 | 0.22 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.135 | 84 | 3486 | 0.21 | PPBV | | 97 |
| 54) 2,3-DIMETHYLPENTANE | 9.348 | 71 | 1857 | 0.22 | PPBV | # | 88 |
| 55) TRICHLOROETHYLENE | 9.877 | 95 | 4341 | 0.21 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 9.658 | 63 | 4052 | 0.23 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 9.633 | 174 | 4380 | 0.23 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 9.719 | 55 | 8841 | 0.20 | PPBV | # | 95 |
| 59) BROMODICHLOROMETHANE | 9.840 | 83 | 8736 | 0.22 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 18515 | 0.22 | PPBV | | 96 |
| 61) 1,4-DIOXANE | 10.053 | 88 | 1915 | 0.20 | PPBV | | 89 |
| 62) HEPTANE | 10.145 | 43 | 8653 | 0.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.114 | 69 | 3182 | 0.21 | PPBV | # | 1 |
| 64) METHYL ISOBUTYL KETONE | 10.856 | 58 | 3349 | 0.20 | PPBV | | 95 |
| 65) cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 5735 | 0.20 | PPBV | | 94 |
| 66) TOLUENE | 11.678 | 92 | 6022 | 0.21 | PPBV | | 97 |
| 67) 1,3-DICHLOROPROPANE | 11.708 | 76 | 5735 | 0.22 | PPBV | # | 98 |
| 68) trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 5653 | 0.19 | PPBV | | 96 |
| 69) 1,1,2-TRICHLOROETHANE | 11.404 | 83 | 3539 | 0.23 | PPBV | | 96 |
| 71) 2-HEXANONE | 12.037 | 58 | 4426 | 0.22 | PPBV | # | 85 |
| 72) ETHYL METHACRYLATE | 12.000 | 69 | 4717 | 0.22 | PPBV | | 98 |
| 73) TETRACHLOROETHYLENE | 12.821 | 164 | 4828 | 0.25 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 12.103 | 129 | 7097 | 0.23 | PPBV | | 98 |
| 75) 1,2-DIBROMOETHANE | 12.359 | 107 | 6327 | 0.27 | PPBV | | 98 |
| 76) OCTANE | 12.675 | 43 | 10476 | 0.24 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 5286 | 0.25 | PPBV | | 97 |
| 78) CHLOROBENZENE | 13.539 | 112 | 8713 | 0.25 | PPBV | | 92 |
| 79) ETHYLBENZENE | 13.941 | 91 | 14667 | 0.25 | PPBV | | 100 |
| 80) m,p-XYLENE | 14.135 | 106 | 10081 | 0.46 | PPBV | | 92 |
| 81) o-XYLENE | 14.646 | 106 | 5140 | 0.24 | PPBV | | 96 |
| 82) STYRENE | 14.525 | 104 | 7482 | 0.22 | PPBV | | 97 |
| 83) NONANE | 14.890 | 43 | 11741 | 0.25 | PPBV | | 99 |
| 84) BROMOFORM | 14.214 | 173 | 6831 | 0.20 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 14.640 | 83 | 8674 | 0.26 | PPBV | | 97 |
| 87) 1,2,3-TRICHLOROPROPANE | 14.786 | 75 | 7270 | 0.24 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 15.303 | 105 | 15760 | 0.22 | PPBV | | 99 |
| 89) BROMOBENZENE | 15.395 | 77 | 9009 | 0.23 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 15.857 | 126 | 3486 | 0.21 | PPBV | | 95 |
| 91) n-PROPYLBENZENE | 15.906 | 120 | 3991 | 0.22 | PPBV | | 97 |
| 92) 4-ETHYLTOLUENE | 16.082 | 105 | 15622 | 0.22 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 13163 | 0.22 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 16.362 | 118 | 6081 | 0.21 | PPBV | | 94 |
| 95) tert-BUTYLBENZENE | 16.654 | 134 | 2765 | 0.23 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 13640 | 0.22 | PPBV | | 99 |
| 97) m-DICHLOROBENZENE | 16.843 | 146 | 9808 | 0.23 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 16.824 | 91 | 12482 | 0.20 | PPBV | | 98 |
| 99) p-DICHLOROBENZENE | 16.922 | 146 | 10204 | 0.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 16.982 | 134 | 3355 | 0.21 | PPBV | # | 89 |
| 101) 1,2,3-Trimethylbenzene | 17.177 | 105 | 13849 | 0.21 | PPBV | | 100 |
| 102) p-ISOPROPYLTOLUENE | 17.177 | 134 | 3885 | 0.21 | PPBV | | 94 |
| 103) o-DICHLOROBENZENE | 17.329 | 146 | 9572 | 0.23 | PPBV | | 98 |
| 104) n-BUTYLBENZENE | 17.688 | 134 | 3773 | 0.20 | PPBV | | 97 |
| 105) HEXACHLOROETHANE | 18.126 | 117 | 5902 | 0.21 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 19.903 | 225 | 11310 | 0.21 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 19.367 | 180 | 11199 | 0.21 | PPBV | | 96 |
| 108) NAPHTHALENE | 19.489 | 128 | 17709 | 0.20 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.460 | TIC | 26246m | 0.24 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration

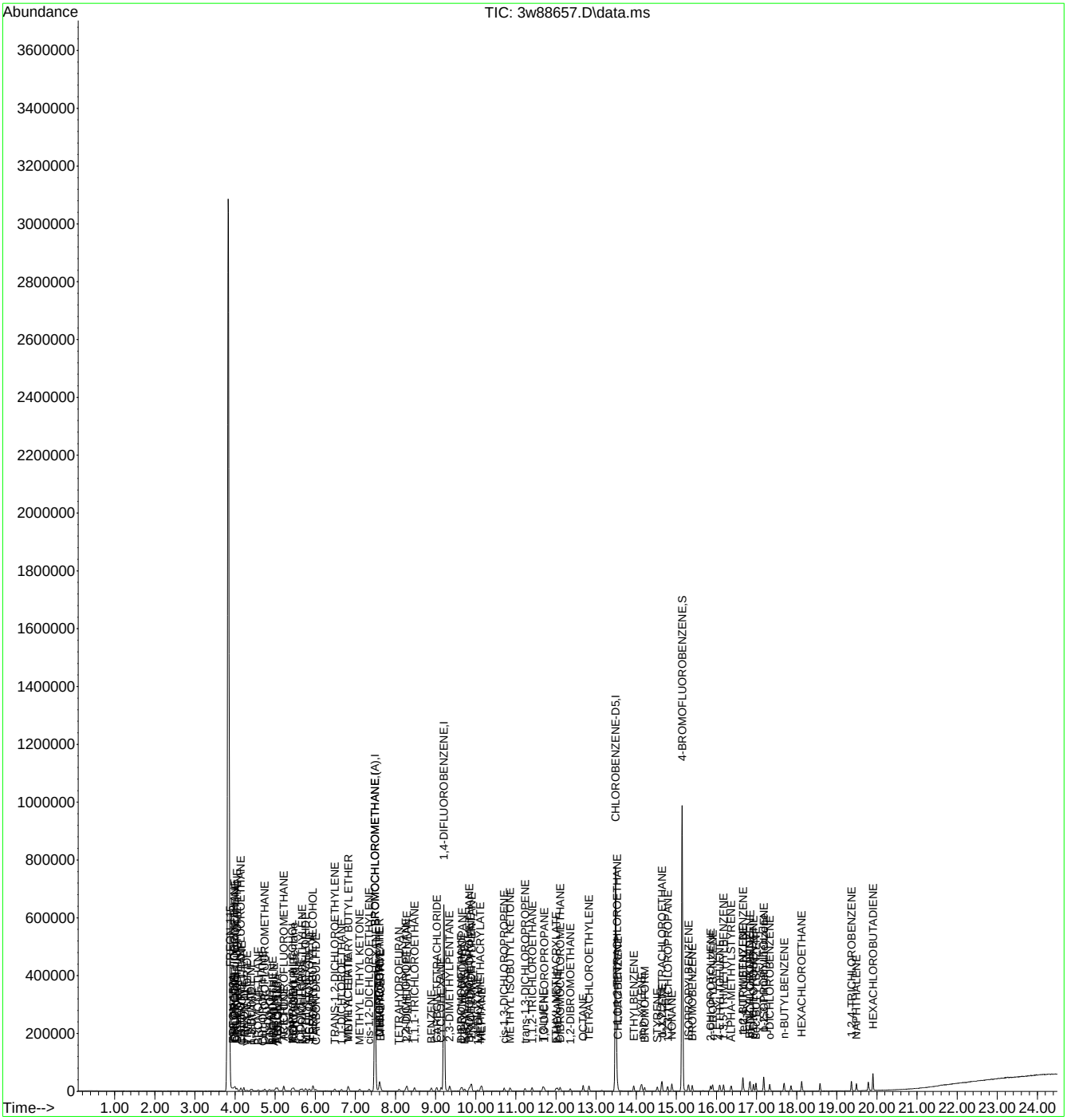
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:39:01 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



**Sample Number:** V3W3499-IC3499 **Method:** TO-15
**Lab FileID:** 3W88657.D **Analyst approved:** 09/10/24 21:26 Benjamin Kim
**Injection Time:** 09/09/24 04:30 **Supervisor approved:** 09/11/24 15:26 Kanya Veerawat

| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Acetonitrile | 75-05-8 | | 4.97 | Missed peak |
| TVHC As Equiv Pentane | | | 5.46 | Poor instrument integration |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
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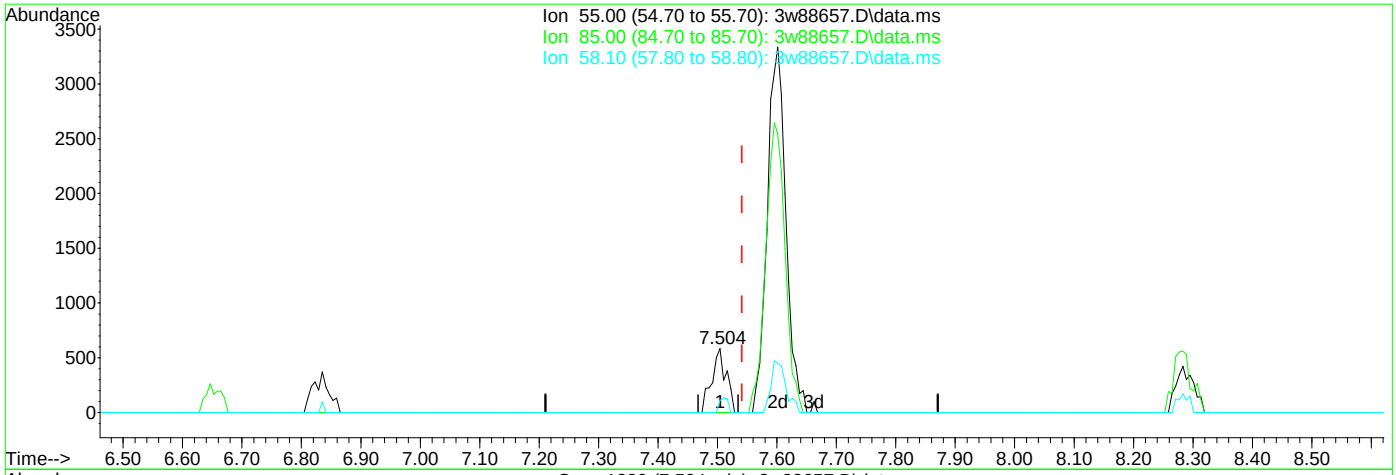


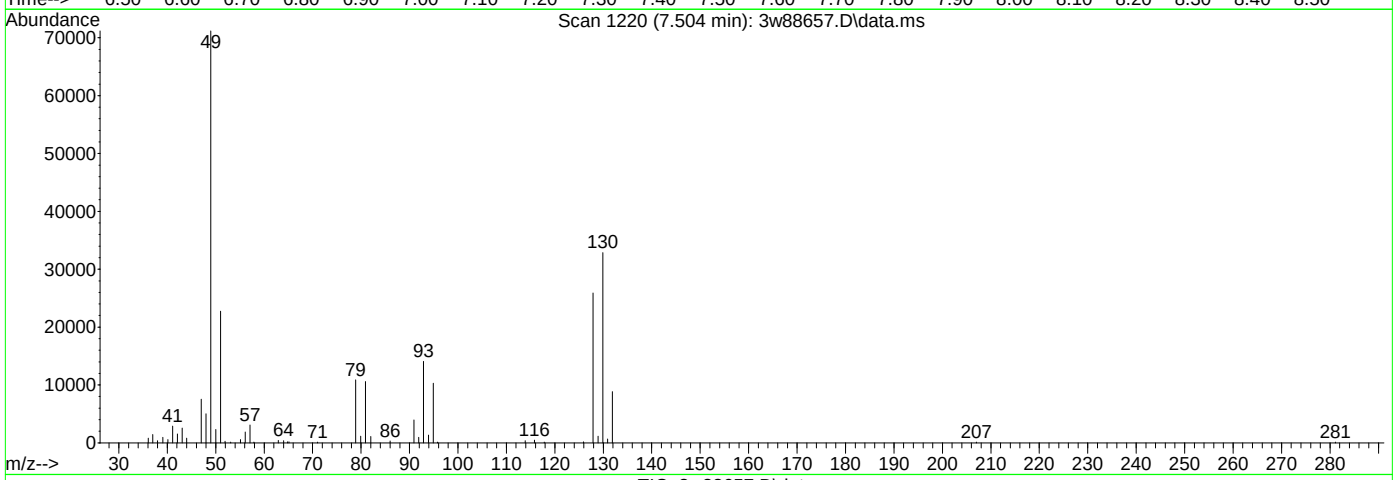


TIC: 3w88657.D\data.ms

(45) METHYL ACRYLATE

7.504min (-0.037) 0.03PPBV

response 983

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 13.73 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
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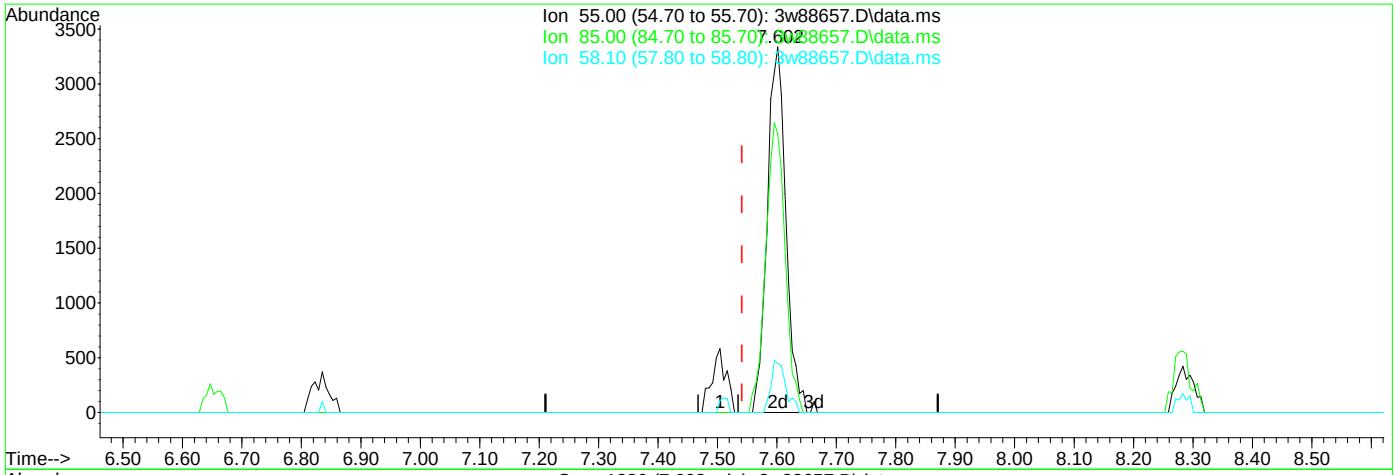
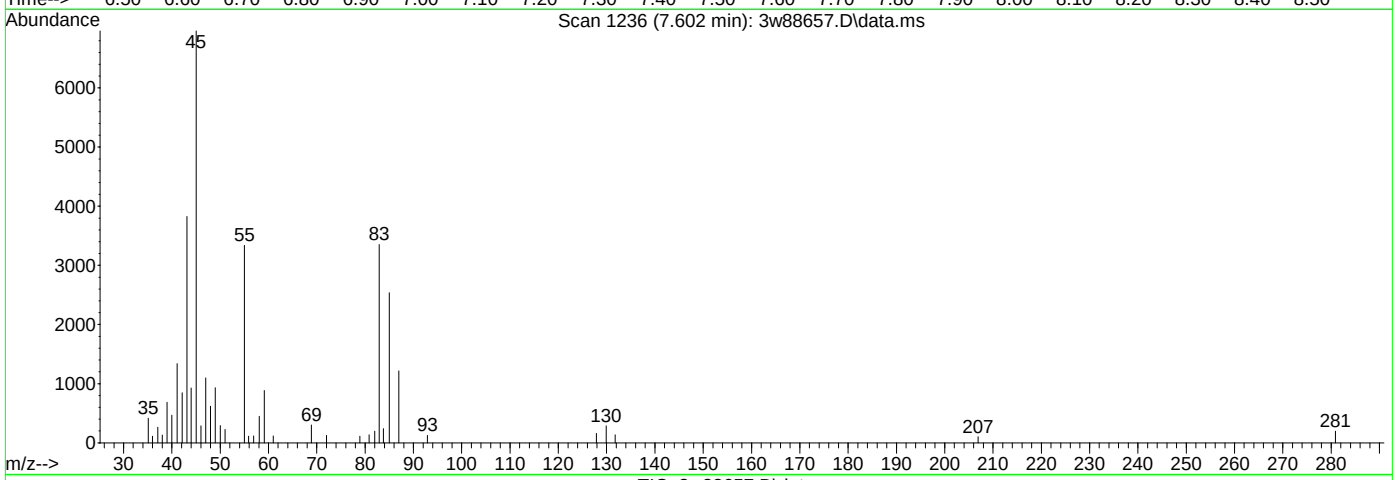
Quant Time: Sep 10 20:22:55 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration




TIC: 3w88657.D\data.ms

(45) METHYL ACRYLATE

7.602min (+0.061) 0.22PPBV m

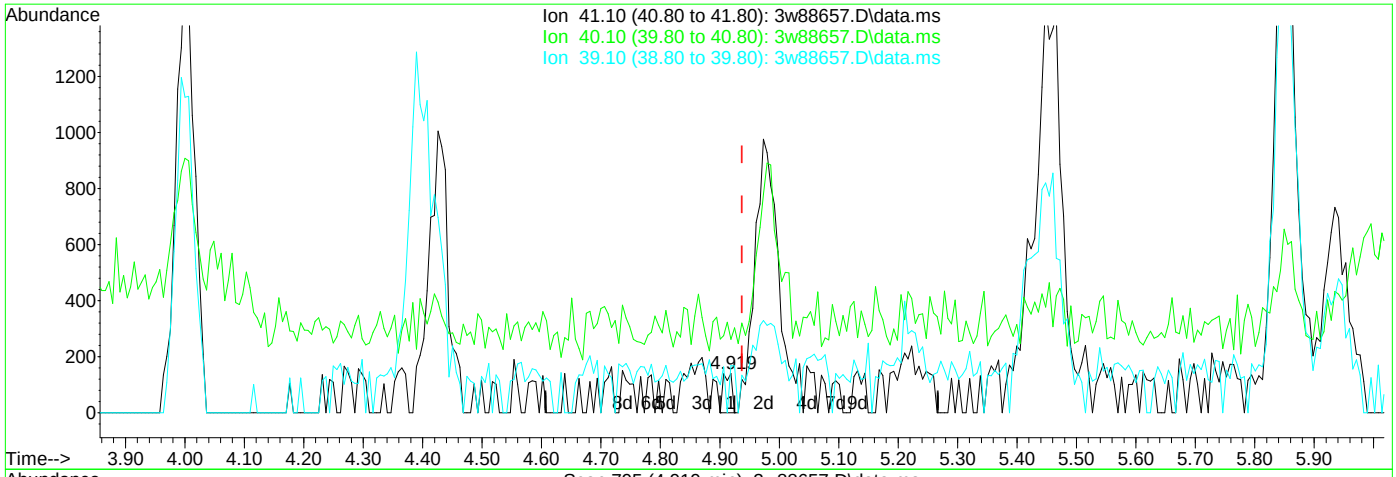
response 7389

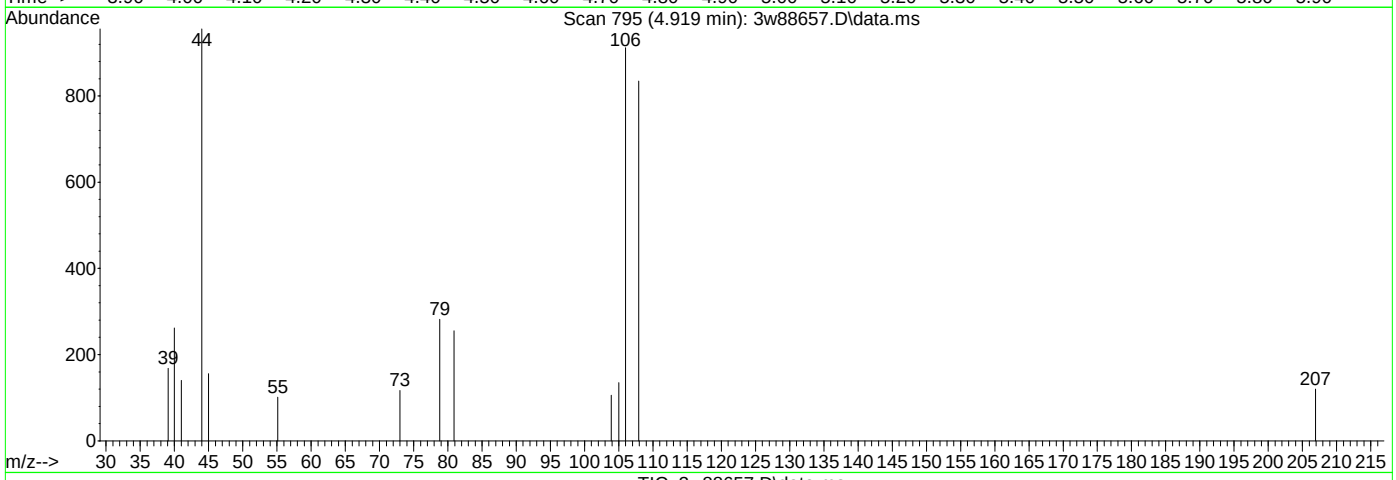
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 1.83# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:23:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration




TIC: 3w88657.D\data.ms

(17) ACETONITRILE

4.919min (-0.018) 0.01PPBV

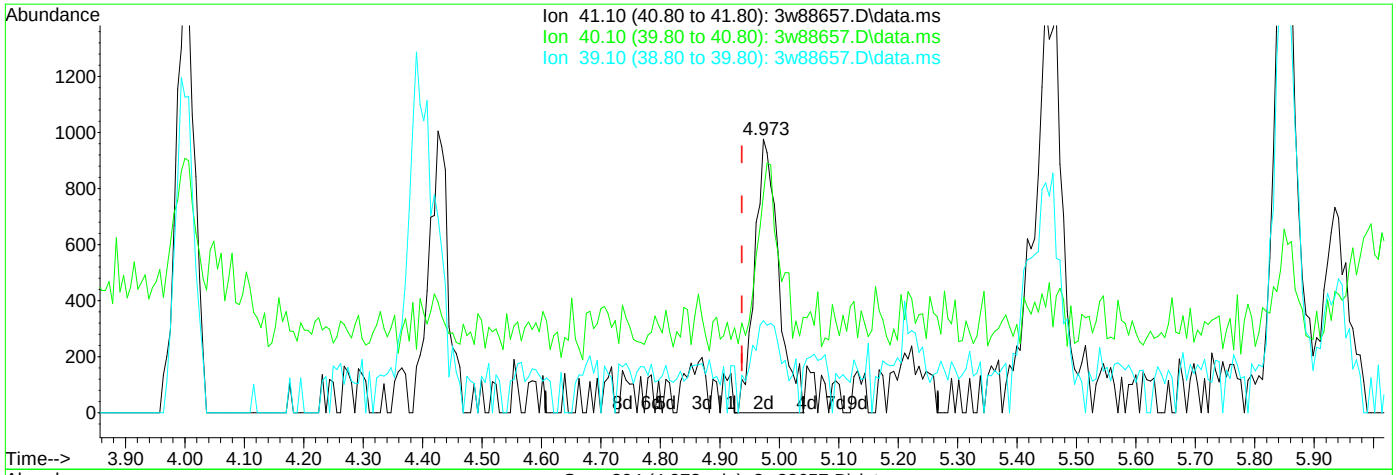
response 144

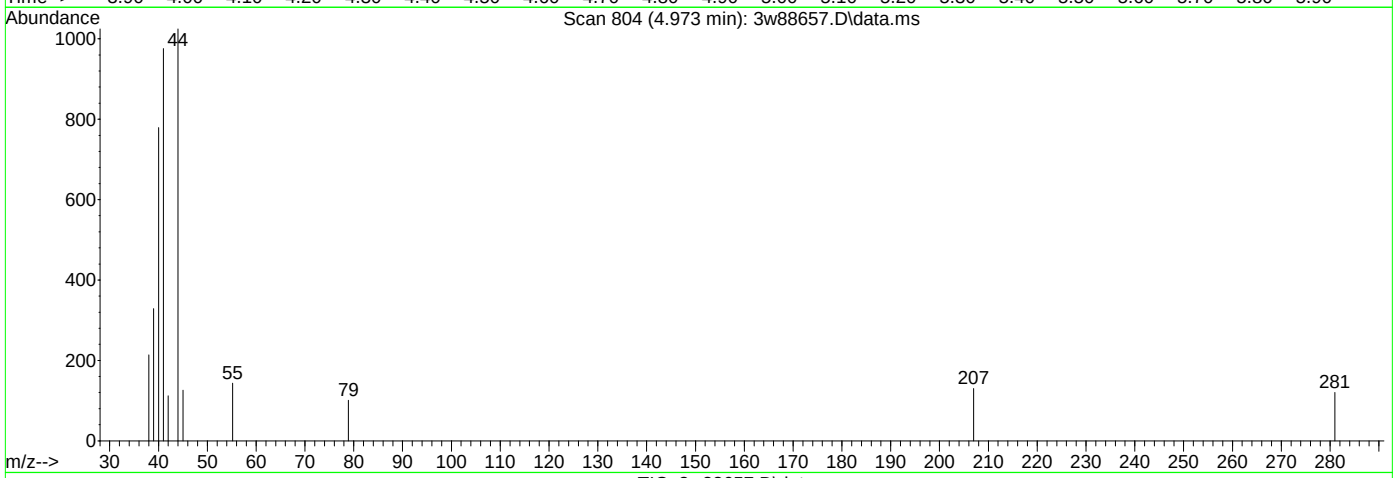
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 0.00# |
| 39.10 | 22.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:23:13 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration




TIC: 3w88657.D\data.ms

(17) ACETONITRILE

4.973min (+0.036) 0.24PPBV m

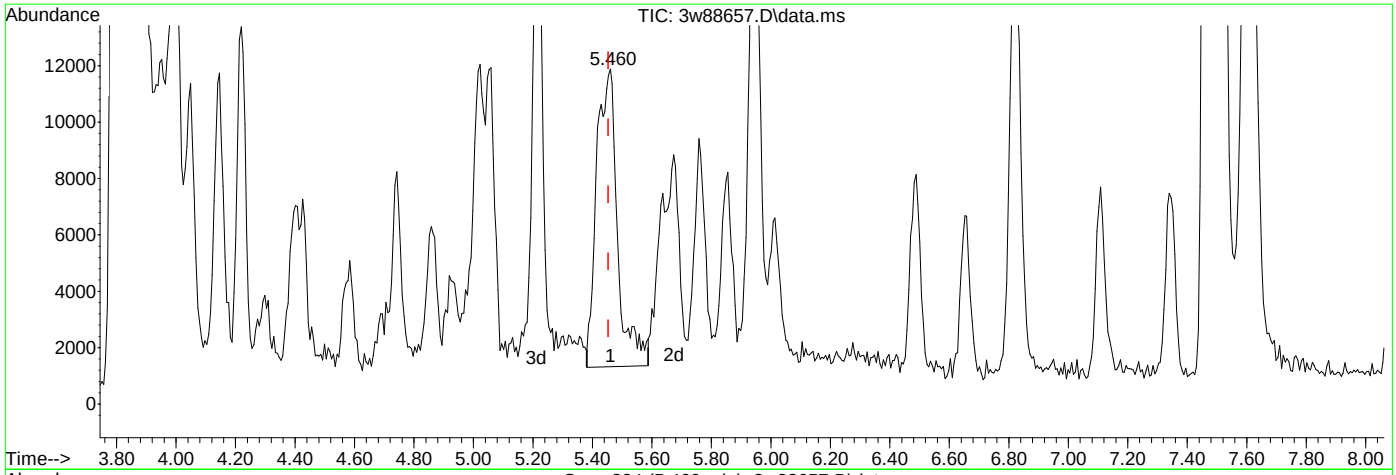
response 2721

| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 0.00# |
| 39.10 | 22.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:24:37 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration




TIC: 3w88657.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.48PPBV

response 51900

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

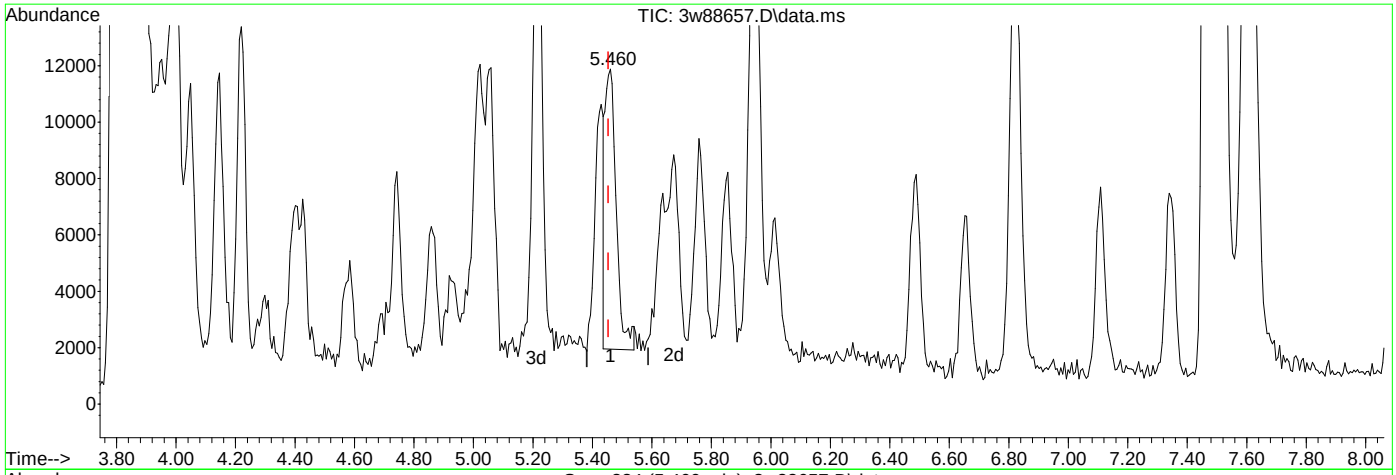


3W88657.D edits: TVHC as equiv Pentane

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88657.D
Acq On : 9 Sep 2024 4:30 am
Operator : benk
Sample : ic3499-0.2
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 10 20:24:37 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:22:03 2024
Response via : Initial Calibration




TIC: 3w88657.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.24PPBV m

response 26246

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |



3W88657.D edits: TVHC as equiv Pentane

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 09/11/24 15:26

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.486 | 128 | 100841 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 496113 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.484 | 82 | 270308 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.486 | 128 | 100841 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 337068 | 10.56 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 105.60% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 9218 | 0.58 | PPBV | | 98 |
| 3) FREON 152A | 3.945 | 65 | 4618 | 0.51 | PPBV | | 71 |
| 4) CHLORODIFLUOROMETHANE | 3.976 | 67 | 2855 | 0.51 | PPBV | | 93 |
| 5) CHLOROTRIFLUOROETHENE | 4.006 | 116 | 8903 | 0.50 | PPBV | # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 26458 | 0.50 | PPBV | | 99 |
| 7) PROPYLENE | 3.994 | 41 | 8431 | 0.52 | PPBV | | 96 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 23305 | 0.51 | PPBV | | 95 |
| 9) FREON 114 | 4.219 | 85 | 17874 | 0.52 | PPBV | | 97 |
| 10) CHLOROMETHANE | 4.158 | 52 | 2632 | 0.52 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 6751 | 0.48 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.389 | 54 | 5542 | 0.51 | PPBV | # | 87 |
| 13) n-BUTANE | 4.420 | 43 | 11101 | 0.53 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.578 | 94 | 5717 | 0.51 | PPBV | | 96 |
| 15) CHLOROETHANE | 4.688 | 64 | 2868 | 0.48 | PPBV | | 89 |
| 16) DICHLOROFLUOROMETHANE | 4.742 | 67 | 15834 | 0.50 | PPBV | | 100 |
| 17) ACETONITRILE | 4.973 | 41 | 5952m | 0.52 | PPBV | | |
| 18) ACROLEIN | 5.059 | 56 | 2823 | 0.50 | PPBV | | 99 |
| 19) FREON 123 | 5.022 | 83 | 14647 | 0.51 | PPBV | | 98 |
| 20) FREON 123A | 5.059 | 117 | 8924 | 0.53 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 5.217 | 101 | 25406 | 0.53 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 5.418 | 45 | 20655 | 0.65 | PPBV | | 88 |
| 23) ACETONE | 5.211 | 58 | 3482 | 0.52 | PPBV | # | 74 |
| 24) PENTANE | 5.460 | 42 | 9123 | 0.66 | PPBV | | 89 |
| 25) IODOMETHANE | 5.630 | 142 | 16538 | 0.53 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 5434 | 0.50 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 18231 | 0.50 | PPBV | | 87 |
| 28) ETHANOL | 4.858 | 45 | 7064 | 0.64 | PPBV | | 95 |
| 29) BROMOETHENE | 4.931 | 106 | 5072 | 0.46 | PPBV | | 92 |
| 30) ACRYLONITRILE | 5.466 | 52 | 5934 | 0.61 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.764 | 84 | 5743 | 0.58 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.856 | 76 | 2843 | 0.52 | PPBV | # | 77 |
| 33) FREON 113 | 5.947 | 151 | 11483 | 0.51 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.482 | 96 | 7073 | 0.53 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.922 | 59 | 17476 | 0.50 | PPBV | # | 81 |
| 36) METHYL TERTIARY BUTYL ... | 6.817 | 73 | 23109 | 0.52 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.076 | 72 | 2977 | 0.47 | PPBV | # | 87 |
| 38) HEXANE | 7.504 | 57 | 15202 | 0.56 | PPBV | # | 74 |
| 39) VINYL ACETATE | 6.811 | 86 | 1477 | 0.53 | PPBV | # | 83 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 17004 | 0.55 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.103 | 72 | 3464 | 0.52 | PPBV | # | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.340 | 96 | 7096 | 0.52 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 7.602 | 59 | 4093 | 0.55 | PPBV | # | 95 |
| 44) ETHYL ACETATE | 7.620 | 61 | 2603 | 0.51 | PPBV | # | 75 |
| 45) METHYL ACRYLATE | 7.595 | 55 | 18399m | 0.63 | PPBV | | |
| 46) CHLOROFORM | 7.595 | 83 | 18783 | 0.55 | PPBV | | 89 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 17025 | 0.53 | PPBV | | 93 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 21076 | 0.53 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.025 | 117 | 21721 | 0.50 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.252 | 62 | 16618 | 0.53 | PPBV | | 99 |
| 52) | BENZENE | 8.891 | 78 | 21736 | 0.56 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 9116 | 0.55 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 4627 | 0.54 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 10894 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 9805 | 0.57 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 9.627 | 174 | 10623 | 0.55 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 9.719 | 55 | 23093 | 0.53 | PPBV | # | 97 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 21464 | 0.53 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 47054 | 0.56 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.029 | 88 | 5037 | 0.54 | PPBV | | 95 |
| 62) | HEPTANE | 10.144 | 43 | 21427 | 0.58 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.114 | 69 | 8276 | 0.54 | PPBV | # | 1 |
| 64) | METHYL ISOBUTYL KETONE | 10.850 | 58 | 8746 | 0.53 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.704 | 75 | 14886 | 0.51 | PPBV | | 99 |
| 66) | TOLUENE | 11.678 | 92 | 14781 | 0.51 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 11.708 | 76 | 13989 | 0.54 | PPBV | # | 98 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 13502 | 0.45 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 8305 | 0.54 | PPBV | | 96 |
| 71) | 2-HEXANONE | 12.030 | 58 | 11904 | 0.60 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 11.994 | 69 | 12081 | 0.57 | PPBV | | 95 |
| 73) | TETRACHLOROETHYLENE | 12.821 | 164 | 12077 | 0.65 | PPBV | | 97 |
| 74) | DIBROMOCHLOROMETHANE | 12.103 | 129 | 17923 | 0.59 | PPBV | | 97 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 14522 | 0.61 | PPBV | | 99 |
| 76) | OCTANE | 12.675 | 43 | 27805 | 0.65 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 12897 | 0.62 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 13.533 | 112 | 20664 | 0.61 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 13.935 | 91 | 35801 | 0.62 | PPBV | | 99 |
| 80) | m,p-XYLENE | 14.135 | 106 | 26018 | 1.22 | PPBV | | 97 |
| 81) | o-XYLENE | 14.640 | 106 | 12882 | 0.62 | PPBV | | 98 |
| 82) | STYRENE | 14.519 | 104 | 18848 | 0.56 | PPBV | | 99 |
| 83) | NONANE | 14.890 | 43 | 30092 | 0.64 | PPBV | | 98 |
| 84) | BROMOFORM | 14.208 | 173 | 17599 | 0.51 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.634 | 83 | 21591 | 0.65 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 18645 | 0.62 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 15.297 | 105 | 40619 | 0.59 | PPBV | | 99 |
| 89) | BROMOBENZENE | 15.395 | 77 | 22579 | 0.60 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 9049 | 0.56 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 10439 | 0.57 | PPBV | | 98 |
| 92) | 4-ETHYLTOLUENE | 16.082 | 105 | 39547 | 0.57 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 34660 | 0.58 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 15083 | 0.52 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 16.654 | 134 | 7366 | 0.62 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 36204 | 0.60 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.843 | 146 | 25165 | 0.59 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 32833 | 0.52 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 16.922 | 146 | 25751 | 0.61 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 16.982 | 134 | 9581 | 0.60 | PPBV | | 95 |
| 101) | 1,2,3-Trimethylbenzene | 17.171 | 105 | 37241 | 0.58 | PPBV | | 100 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 10223 | 0.56 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 24442 | 0.59 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 10551 | 0.58 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 15865 | 0.57 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 28885 | 0.54 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 28225 | 0.55 | PPBV | | 99 |
| 108) | NAPHTHALENE | 19.489 | 128 | 48428 | 0.55 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.460 | TIC | 58567m | 0.61 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration

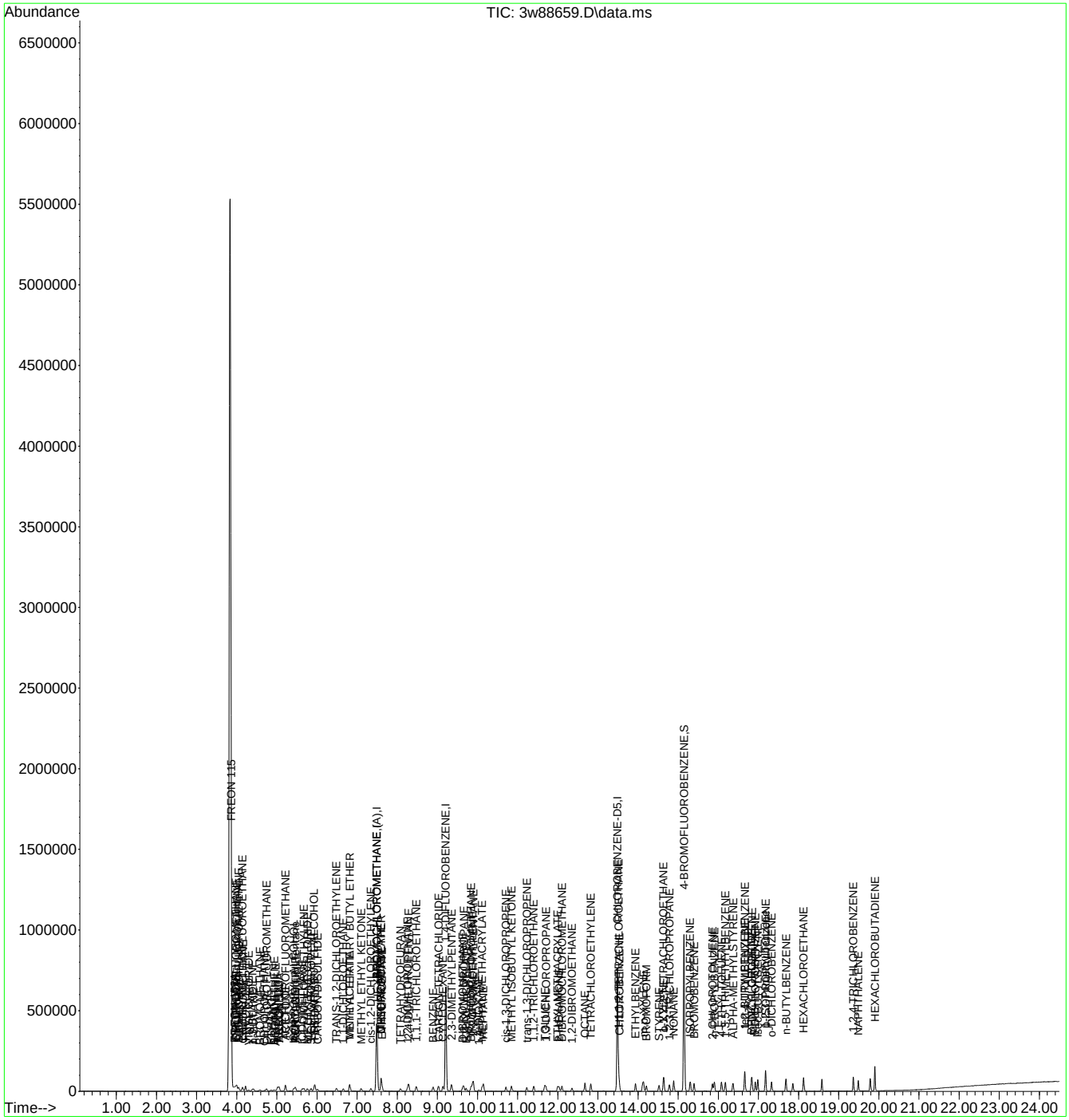
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:36:40 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



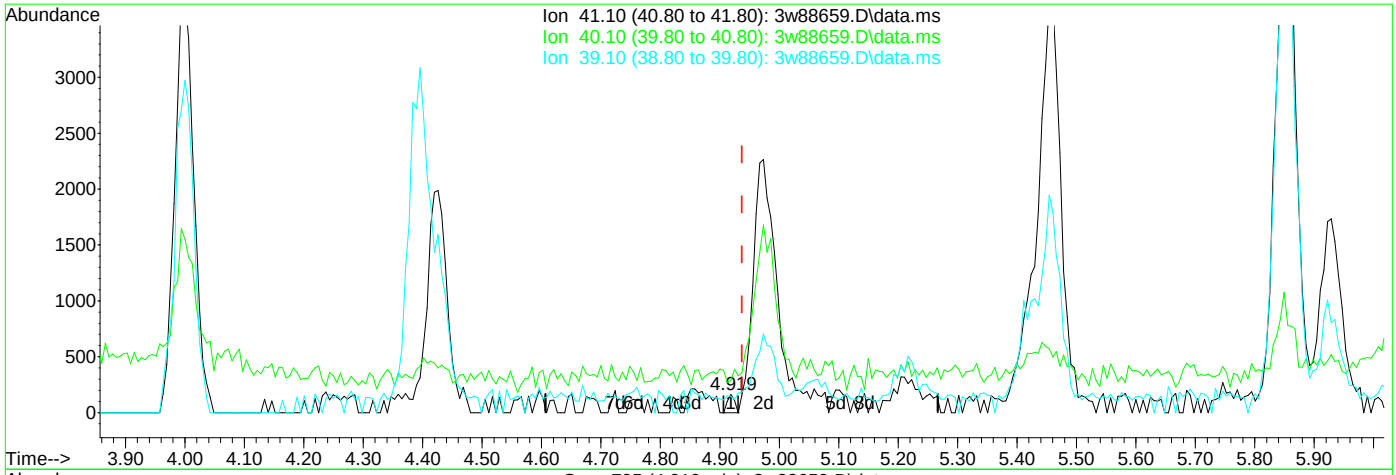
| | | | |
|---|---|---|---|
| **Sample Number:** | V3W3499-IC3499 | **Method:** | TO-15 |
| **Lab FileID:** | 3W88659.D | **Analyst approved:** | 09/10/24 21:26 Benjamin Kim |
| **Injection Time:** | 09/09/24 05:54 | **Supervisor approved:** | 09/11/24 15:26 Kanya Veerawat |

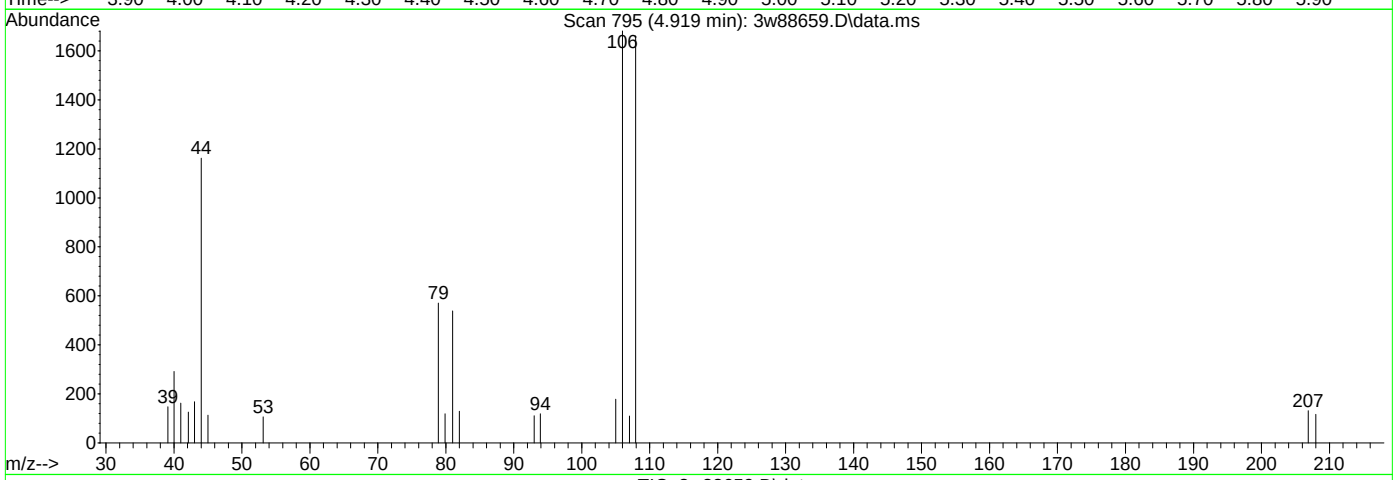
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Acetonitrile | 75-05-8 | | 4.97 | Missed peak |
| TVHC As Equiv Pentane | | | 5.46 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:15:54 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(17) ACETONITRILE

4.919min (-0.018) 0.01PPBV

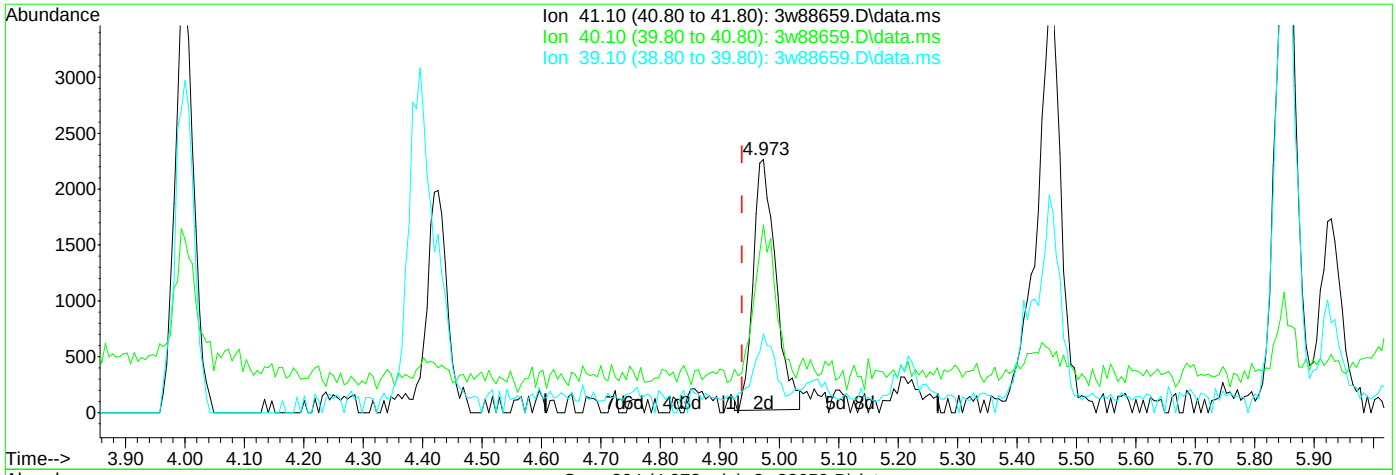
response 136

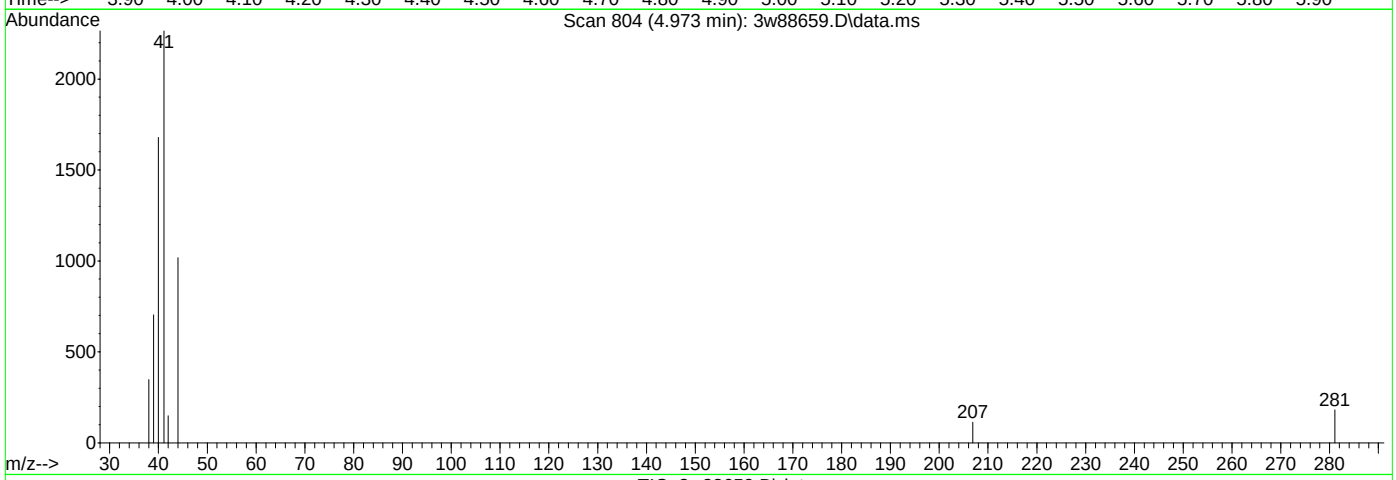
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 269.85# |
| 39.10 | 22.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:15:54 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(17) ACETONITRILE

4.973min (+0.036) 0.52PPBV m

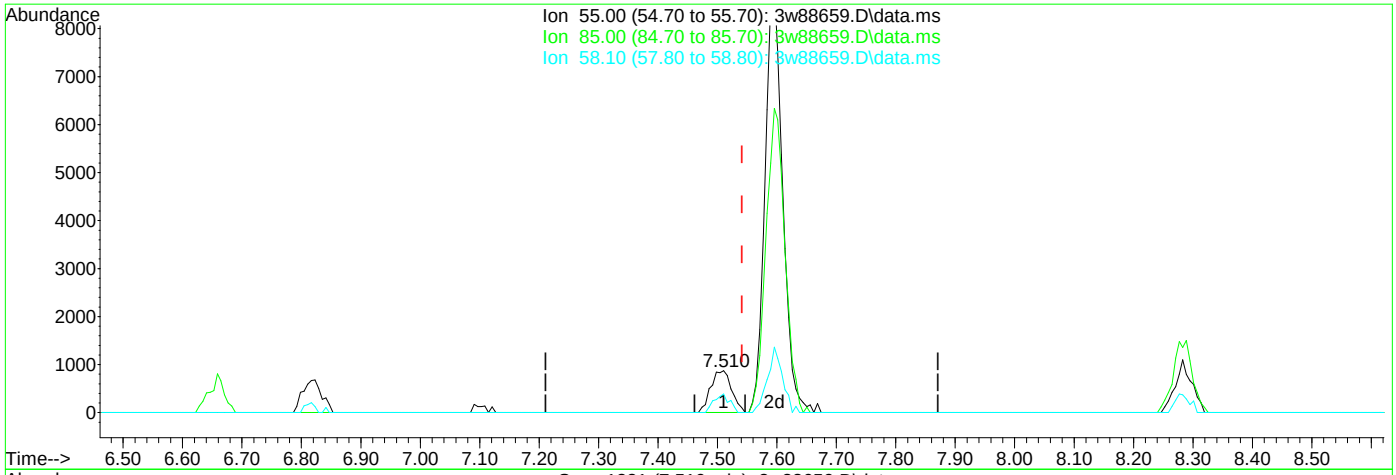
response 5952

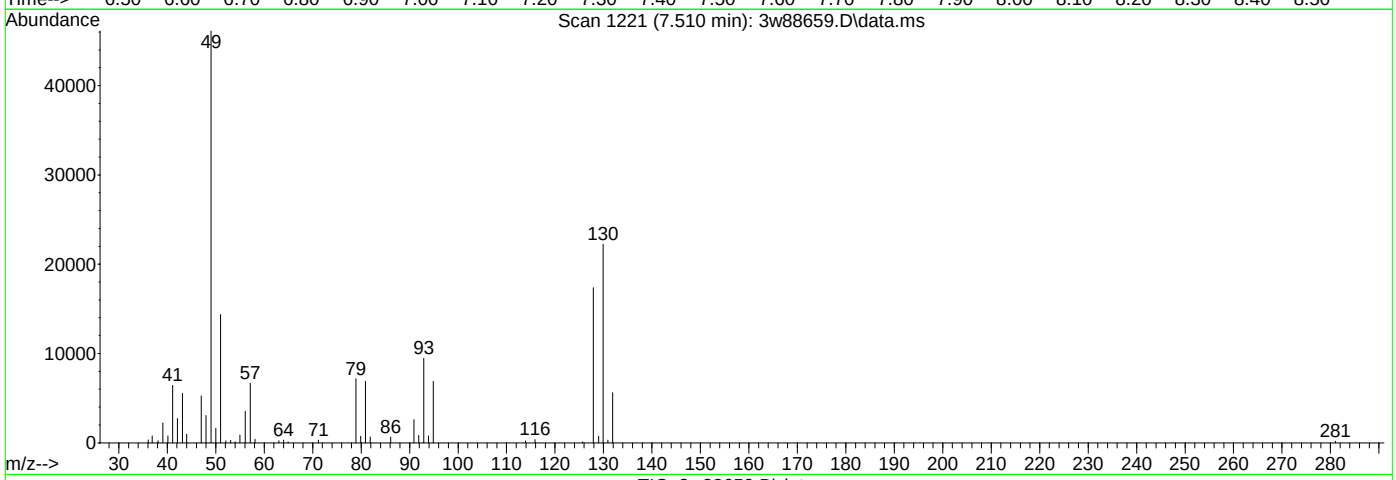
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.10 | 57.50 | 6.17# |
| 39.10 | 22.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:20:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(45) METHYL ACRYLATE

7.510min (-0.031) 0.07PPBV

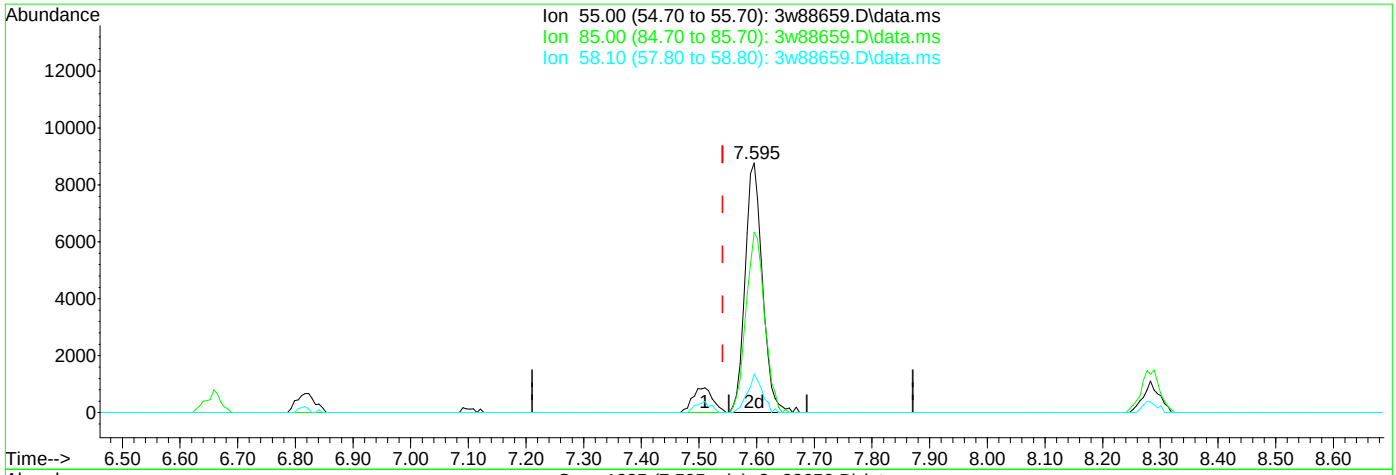
response 2119

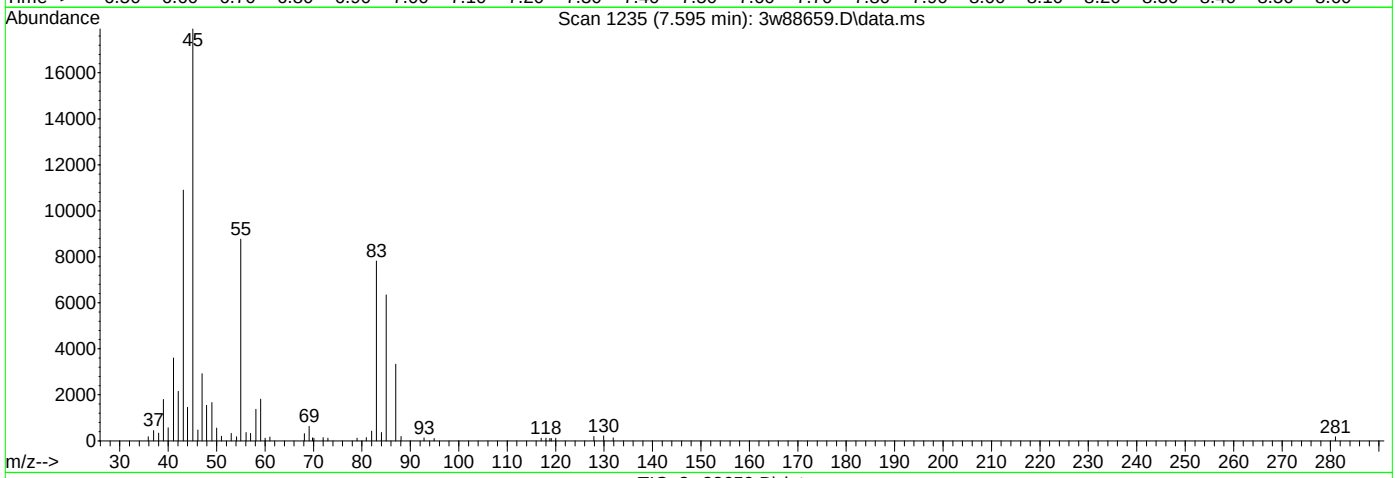
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 33.46# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:20:23 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(45) METHYL ACRYLATE

7.595min (+0.054) 0.63PPBV m

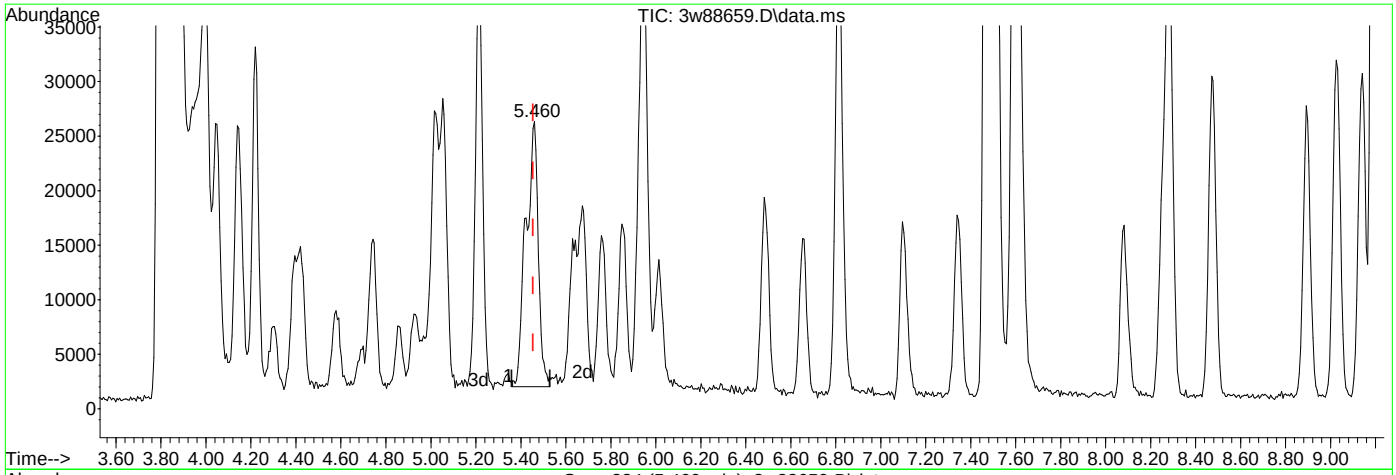
response 18399

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.00 | 11.60 | 0.00# |
| 58.10 | 13.60 | 3.85# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:21:44 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.96PPBV m

response 92767

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

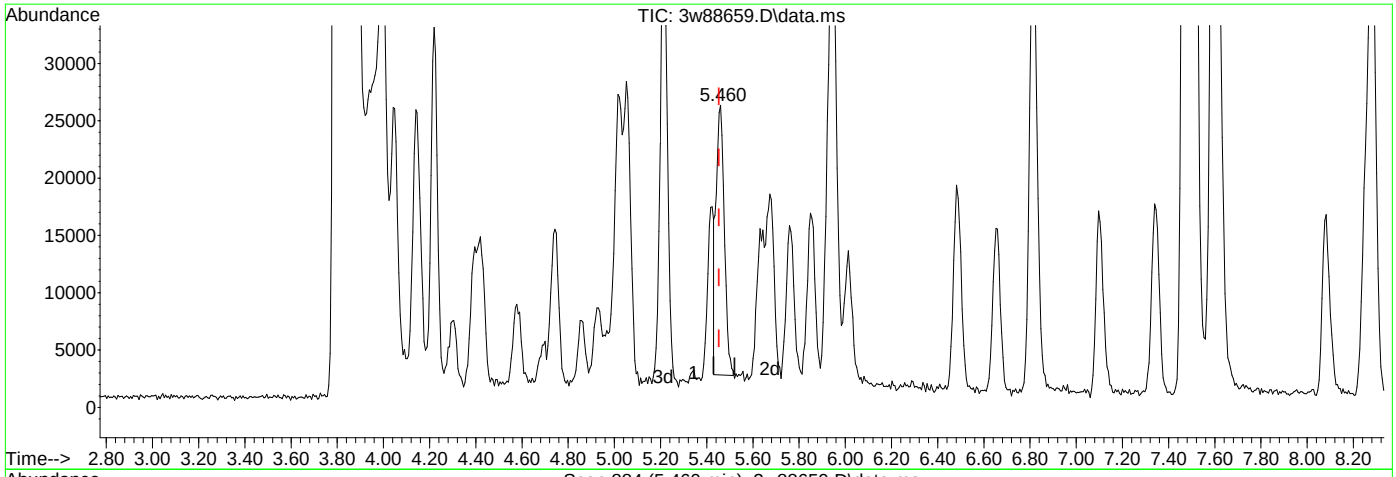


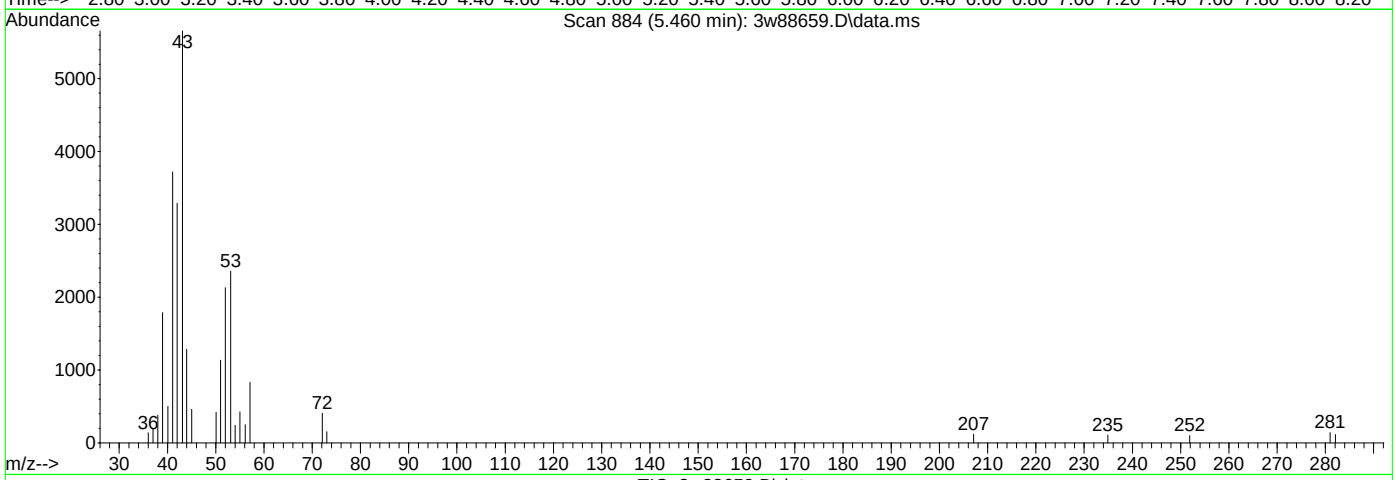
3W88659.D edits: TVHC as equiv Pentane

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88659.D
Acq On : 9 Sep 2024 5:54 am
Operator : benk
Sample : ic3499-0.5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 10 20:21:44 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:15:13 2024
Response via : Initial Calibration




TIC: 3w88659.D\data.ms

(110) TVHC as equiv Pentane

5.460min (+0.006) 0.61PPBV m

response 58567

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 104691 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 519097 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.490 | 82 | 297860 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 104691 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 394365 | 11.98 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 119.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 98223 | 5.76 | PPBV | | 100 |
| 3) FREON 152A | 3.945 | 65 | 47036 | 4.77 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.976 | 67 | 29789 | 5.03 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 93347 | 4.90 | PPBV | # | 99 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 282775 | 5.04 | PPBV | | 99 |
| 7) PROPYLENE | 4.000 | 41 | 91301 | 5.39 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 244840 | 5.16 | PPBV | | 99 |
| 9) FREON 114 | 4.219 | 85 | 188959 | 5.08 | PPBV | | 99 |
| 10) CHLOROMETHANE | 4.158 | 52 | 26335 | 4.86 | PPBV | | 91 |
| 11) VINYL CHLORIDE | 4.304 | 62 | 69606 | 4.60 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.389 | 54 | 56560 | 4.90 | PPBV | | 98 |
| 13) n-BUTANE | 4.426 | 43 | 113756 | 5.23 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.578 | 94 | 57254 | 4.82 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.688 | 64 | 30445 | 4.74 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.742 | 67 | 165505 | 4.98 | PPBV | | 100 |
| 17) ACETONITRILE | 4.949 | 41 | 58134 | 5.06 | PPBV | | 98 |
| 18) ACROLEIN | 5.034 | 56 | 29806 | 5.03 | PPBV | | 100 |
| 19) FREON 123 | 5.016 | 83 | 148993 | 4.94 | PPBV | | 100 |
| 20) FREON 123A | 5.053 | 117 | 91718 | 5.17 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 5.217 | 101 | 255274 | 5.16 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.369 | 45 | 168045 | 5.34 | PPBV | | 98 |
| 23) ACETONE | 5.156 | 58 | 32752 | 4.86 | PPBV | | 98 |
| 24) PENTANE | 5.460 | 42 | 75981 | 5.54 | PPBV | | 98 |
| 25) IODOMETHANE | 5.637 | 142 | 172079 | 5.21 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 57204 | 5.02 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 194728 | 5.06 | PPBV | | 99 |
| 28) ETHANOL | 4.815 | 45 | 38590 | 4.94 | PPBV | | 98 |
| 29) BROMOETHENE | 4.931 | 106 | 56872 | 4.83 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.442 | 52 | 51734 | 5.37 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 50016 | 4.96 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.856 | 76 | 28769 | 5.02 | PPBV | | 98 |
| 33) FREON 113 | 5.947 | 151 | 117509 | 5.04 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 72472 | 5.22 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.862 | 59 | 181446 | 4.94 | PPBV | # | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.756 | 73 | 249068 | 5.38 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.027 | 72 | 34889 | 5.24 | PPBV | | 99 |
| 38) HEXANE | 7.504 | 57 | 160485 | 5.89 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.780 | 86 | 14413 | 4.75 | PPBV | # | 80 |
| 40) 1,1-DICHLOROETHANE | 6.652 | 63 | 172986 | 5.49 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.036 | 72 | 37923 | 5.57 | PPBV | # | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 76452 | 5.36 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.547 | 59 | 44577 | 5.93 | PPBV | | 99 |
| 44) ETHYL ACETATE | 7.577 | 61 | 30799 | 6.03 | PPBV | # | 45 |
| 45) METHYL ACRYLATE | 7.553 | 55 | 197112 | 5.61 | PPBV | # | 83 |
| 46) CHLOROFORM | 7.602 | 83 | 193117 | 5.50 | PPBV | | 90 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 187502 | 5.71 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.471 | 97 | 220750 | 5.30 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 237543 | 5.25 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.252 | 62 | 177559 | 5.44 | PPBV | | 99 |
| 52) | BENZENE | 8.897 | 78 | 233459 | 5.91 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 98333 | 5.71 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 9.348 | 71 | 51213 | 5.81 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 114071 | 5.44 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 102764 | 5.90 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 9.633 | 174 | 107244 | 5.41 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 9.688 | 55 | 260558 | 5.83 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 224626 | 5.36 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 494219 | 5.73 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 9.974 | 88 | 53056 | 5.46 | PPBV | | 98 |
| 62) | HEPTANE | 10.144 | 43 | 225234 | 6.06 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.090 | 69 | 89594 | 5.67 | PPBV | | 96 |
| 64) | METHYL ISOBUTYL KETONE | 10.808 | 58 | 95737 | 5.49 | PPBV | | 98 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 163565 | 5.34 | PPBV | | 99 |
| 66) | TOLUENE | 11.678 | 92 | 160259 | 5.31 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 11.702 | 76 | 141949 | 5.25 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 158394 | 4.98 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.404 | 83 | 86988 | 5.48 | PPBV | | 100 |
| 71) | 2-HEXANONE | 12.000 | 58 | 134880 | 6.74 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 11.982 | 69 | 144739 | 6.60 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 124659 | 6.54 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 12.103 | 129 | 200855 | 6.34 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 160974 | 6.68 | PPBV | | 99 |
| 76) | OCTANE | 12.675 | 43 | 305842 | 7.13 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 137506 | 6.41 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 13.533 | 112 | 224252 | 6.45 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 13.935 | 91 | 392620 | 6.60 | PPBV | | 100 |
| 80) | m,p-XYLENE | 14.123 | 106 | 283923 | 12.93 | PPBV | | 100 |
| 81) | o-XYLENE | 14.640 | 106 | 140673 | 6.61 | PPBV | | 99 |
| 82) | STYRENE | 14.519 | 104 | 230021 | 6.56 | PPBV | | 100 |
| 83) | NONANE | 14.890 | 43 | 344121 | 7.37 | PPBV | | 99 |
| 84) | BROMOFORM | 14.208 | 173 | 226502 | 6.15 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.634 | 83 | 225497 | 6.75 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 201504 | 6.54 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 15.303 | 105 | 457775 | 6.39 | PPBV | | 100 |
| 89) | BROMOBENZENE | 15.395 | 77 | 238789 | 6.15 | PPBV | | 100 |
| 90) | 2-CHLOROTOLUENE | 15.851 | 126 | 105279 | 6.18 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 120866 | 6.43 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 16.076 | 105 | 472822 | 6.59 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 401783 | 6.48 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 187879 | 6.20 | PPBV | | 100 |
| 95) | tert-BUTYLBENZENE | 16.654 | 134 | 84099 | 6.87 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 413010 | 6.55 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.842 | 146 | 278015 | 6.33 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 404220 | 6.07 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 16.922 | 146 | 284869 | 6.53 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 16.982 | 134 | 109677 | 6.60 | PPBV | | 99 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 427868 | 6.34 | PPBV | | 99 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 124945 | 6.63 | PPBV | | 99 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 275580 | 6.45 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 124224 | 6.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 193743 | 6.62 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 346441 | 6.09 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 351362 | 6.48 | PPBV | | 99 |
| 108) | NAPHTHALENE | 19.489 | 128 | 607205 | 6.49 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 557693 | 5.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration

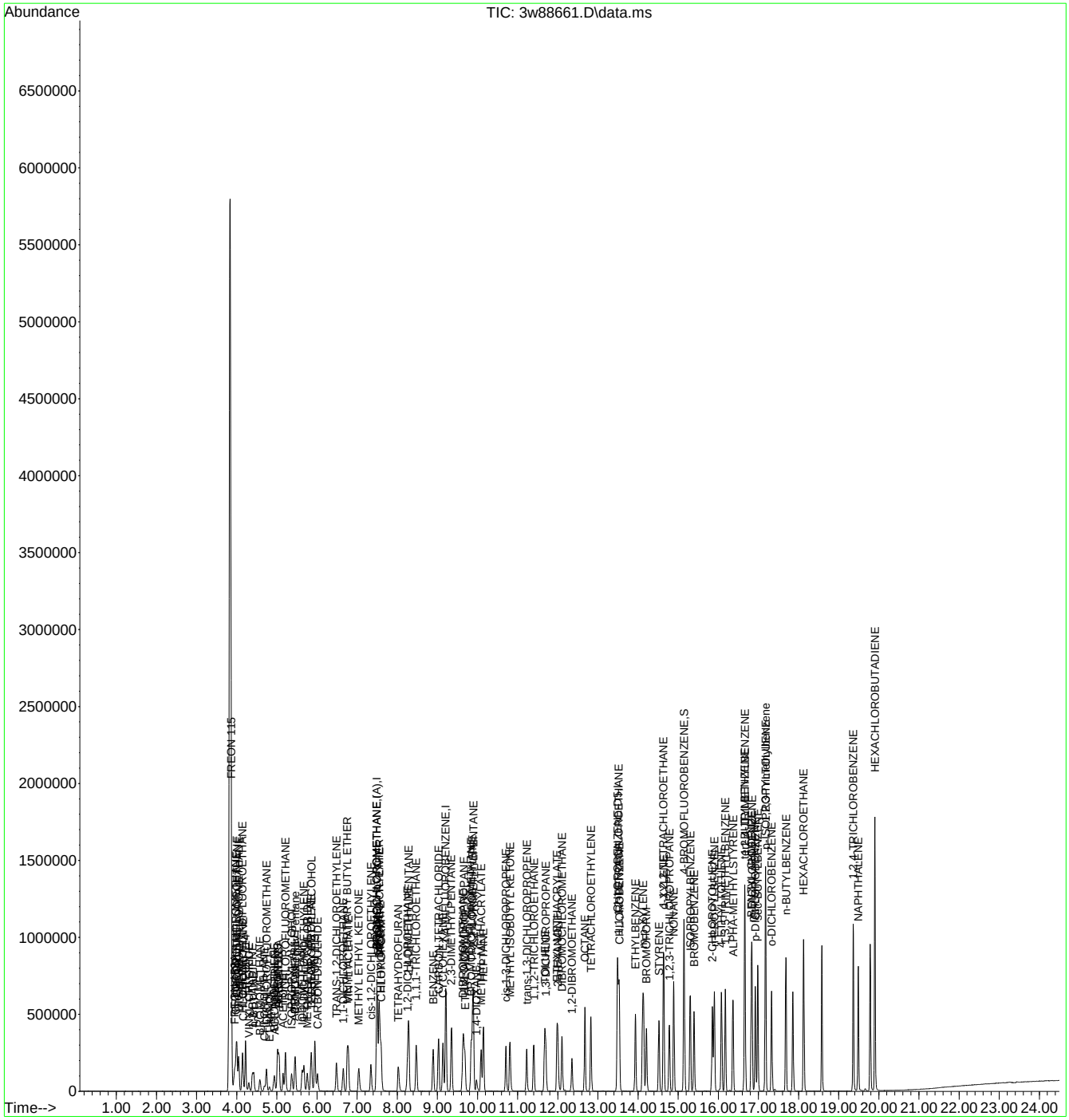
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88661.D
Acq On : 9 Sep 2024 7:18 am
Operator : benk
Sample : ic3499-5
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:13:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:12:15 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 104992 | 10.00 | PPBV | # | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.214 | 114 | 532628 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.490 | 82 | 319579 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 104992 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 390690 | 9.55 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 95.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 198107 | 16.84 | PPBV | | 88 |
| 3) FREON 152A | 3.945 | 65 | 98463 | 17.54 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 59618 | 19.84 | PPBV | | 94 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 188084 | 13.37 | PPBV | # | 95 |
| 6) DICHLORODIFLUOROMETHANE | 4.043 | 85 | 566072 | 18.24 | PPBV | | 99 |
| 7) PROPYLENE | 3.994 | 41 | 180818 | 15.55 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 491681 | 19.78 | PPBV | | 96 |
| 9) FREON 114 | 4.219 | 85 | 383450 | 18.59 | PPBV | | 88 |
| 10) CHLOROMETHANE | 4.152 | 52 | 54716 | 16.99 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 4.298 | 62 | 143342 | 17.12 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.389 | 54 | 114802 | 16.52 | PPBV | | 97 |
| 13) n-BUTANE | 4.420 | 43 | 225356 | 13.77 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.578 | 94 | 114487 | 14.89 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.687 | 64 | 62085 | 18.25 | PPBV | | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 332381 | 17.39 | PPBV | | 98 |
| 17) ACETONITRILE | 4.937 | 41 | 113723 | 11.60 | PPBV | | 97 |
| 18) ACROLEIN | 5.022 | 56 | 59341 | 16.49 | PPBV | | 99 |
| 19) FREON 123 | 5.016 | 83 | 298628 | 16.48 | PPBV | | 99 |
| 20) FREON 123A | 5.052 | 117 | 183913 | 16.12 | PPBV | # | 83 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 511610 | 19.28 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.351 | 45 | 330771 | 13.79 | PPBV | | 98 |
| 23) ACETONE | 5.132 | 58 | 66079 | 12.82 | PPBV | | 99 |
| 24) PENTANE | 5.454 | 42 | 149346 | 13.24 | PPBV | | 94 |
| 25) IODOMETHANE | 5.630 | 142 | 346459 | 15.17 | PPBV | | 83 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 115511 | 15.49 | PPBV | # | 76 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 390096 | 15.23 | PPBV | | 96 |
| 28) ETHANOL | 4.797 | 45 | 75988 | 10.56 | PPBV | | 99 |
| 29) BROMOETHENE | 4.925 | 106 | 114746 | 15.21 | PPBV | | 95 |
| 30) ACRYLONITRILE | 5.436 | 52 | 102795 | 13.07 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 101597 | 14.37 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.849 | 76 | 57128 | 17.11 | PPBV | # | 90 |
| 33) FREON 113 | 5.947 | 151 | 232463 | 14.41 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.482 | 96 | 145860 | 14.59 | PPBV | # | 84 |
| 35) TERTIARY BUTYL ALCOHOL | 5.825 | 59 | 353886 | 16.00 | PPBV | # | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.738 | 73 | 501685 | 17.02 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.003 | 72 | 69512 | 16.17 | PPBV | | 97 |
| 38) HEXANE | 7.504 | 57 | 310848 | 16.55 | PPBV | | 99 |
| 39) VINYL ACETATE | 6.774 | 86 | 31107 | 17.67 | PPBV | # | 95 |
| 40) 1,1-DICHLOROETHANE | 6.652 | 63 | 341225 | 16.67 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.017 | 72 | 74179 | 16.59 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 153423 | 14.85 | PPBV | # | 85 |
| 43) DIISOPROPYL ETHER | 7.535 | 59 | 84191 | 17.09 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.559 | 61 | 58409 | 17.04 | PPBV | # | 97 |
| 45) METHYL ACRYLATE | 7.541 | 55 | 400768 | 23.36 | PPBV | | 100 |
| 46) CHLOROFORM | 7.601 | 83 | 385578 | 17.22 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 370391 | 16.74 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.471 | 97 | 444681 | 17.38 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.025 | 117 | 481615 | 17.24 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.252 | 62 | 352859 | 19.70 | PPBV | | 98 |
| 52) | BENZENE | 8.891 | 78 | 458098 | 14.64 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 198395 | 15.32 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 101273 | 15.75 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 228827 | 14.64 | PPBV | # | 82 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 198638 | 14.42 | PPBV | | 93 |
| 57) | DIBROMOMETHANE | 9.633 | 174 | 213840 | 12.96 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 9.676 | 55 | 513672 | 15.68 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 453184 | 16.41 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 1008722 | 15.81 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 9.956 | 88 | 105998 | 11.09 | PPBV | | 90 |
| 62) | HEPTANE | 10.144 | 43 | 436808 | 14.67 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.084 | 69 | 178989 | 15.78 | PPBV | | 95 |
| 64) | METHYL ISOBUTYL KETONE | 10.795 | 58 | 192535 | 15.53 | PPBV | | 97 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 331511 | 15.94 | PPBV | | 100 |
| 66) | TOLUENE | 11.677 | 92 | 320832 | 13.27 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 11.702 | 76 | 287340 | 15.29 | PPBV | # | 98 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 324381 | 15.74 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 174674 | 15.34 | PPBV | | 94 |
| 71) | 2-HEXANONE | 11.994 | 58 | 269494 | 12.25 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 11.976 | 69 | 286433 | 12.75 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 251003 | 11.17 | PPBV | | 95 |
| 74) | DIBROMOCHLOROMETHANE | 12.109 | 129 | 411754 | 11.61 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 327389 | 11.61 | PPBV | | 99 |
| 76) | OCTANE | 12.675 | 43 | 608188 | 12.43 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 280516 | 11.26 | PPBV | | 82 |
| 78) | CHLOROBENZENE | 13.533 | 112 | 461119 | 10.79 | PPBV | | 88 |
| 79) | ETHYLBENZENE | 13.934 | 91 | 802746 | 12.11 | PPBV | | 95 |
| 80) | m,p-XYLENE | 14.135 | 106 | 577030 | 21.75 | PPBV | # | 84 |
| 81) | o-XYLENE | 14.640 | 106 | 287911 | 11.33 | PPBV | # | 83 |
| 82) | STYRENE | 14.525 | 104 | 473160 | 12.11 | PPBV | | 94 |
| 83) | NONANE | 14.890 | 43 | 680744 | 13.14 | PPBV | | 98 |
| 84) | BROMOFORM | 14.214 | 173 | 472867 | 13.62 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.640 | 83 | 457867 | 12.57 | PPBV | | 98 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 405749 | 13.24 | PPBV | | 93 |
| 88) | ISOPROPYLBENZENE | 15.303 | 105 | 944277 | 11.69 | PPBV | | 95 |
| 89) | BROMOBENZENE | 15.394 | 77 | 499555 | 13.08 | PPBV | | 82 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 215992 | 10.07 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 15.899 | 120 | 246897 | 11.31 | PPBV | | 97 |
| 92) | 4-ETHYLTOLUENE | 16.082 | 105 | 965025 | 12.19 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 836245 | 12.71 | PPBV | | 93 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 387235 | 11.19 | PPBV | | 96 |
| 95) | tert-BUTYLBENZENE | 16.660 | 134 | 167518 | 11.18 | PPBV | # | 87 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 855545 | 12.82 | PPBV | | 94 |
| 97) | m-DICHLOROBENZENE | 16.842 | 146 | 571379 | 10.88 | PPBV | | 97 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 845981 | 13.68 | PPBV | | 93 |
| 99) | p-DICHLOROBENZENE | 16.928 | 146 | 587647 | 11.04 | PPBV | | 97 |
| 100) | sec-BUTYLBENZENE | 16.988 | 134 | 226589 | 11.67 | PPBV | # | 83 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 890675 | 12.56 | PPBV | | 92 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 255599 | 11.74 | PPBV | | 92 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 567046 | 11.22 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 254159 | 11.52 | PPBV | # | 67 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 395325 | 13.80 | PPBV | | 93 |
| 106) | HEXACHLOROBUTADIENE | 19.902 | 225 | 725599 | 14.92 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.367 | 180 | 718989 | 12.89 | PPBV | | 99 |
| 108) | NAPHTHALENE | 19.489 | 128 | 1246684 | 10.72 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 1073318 | 11.86 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration

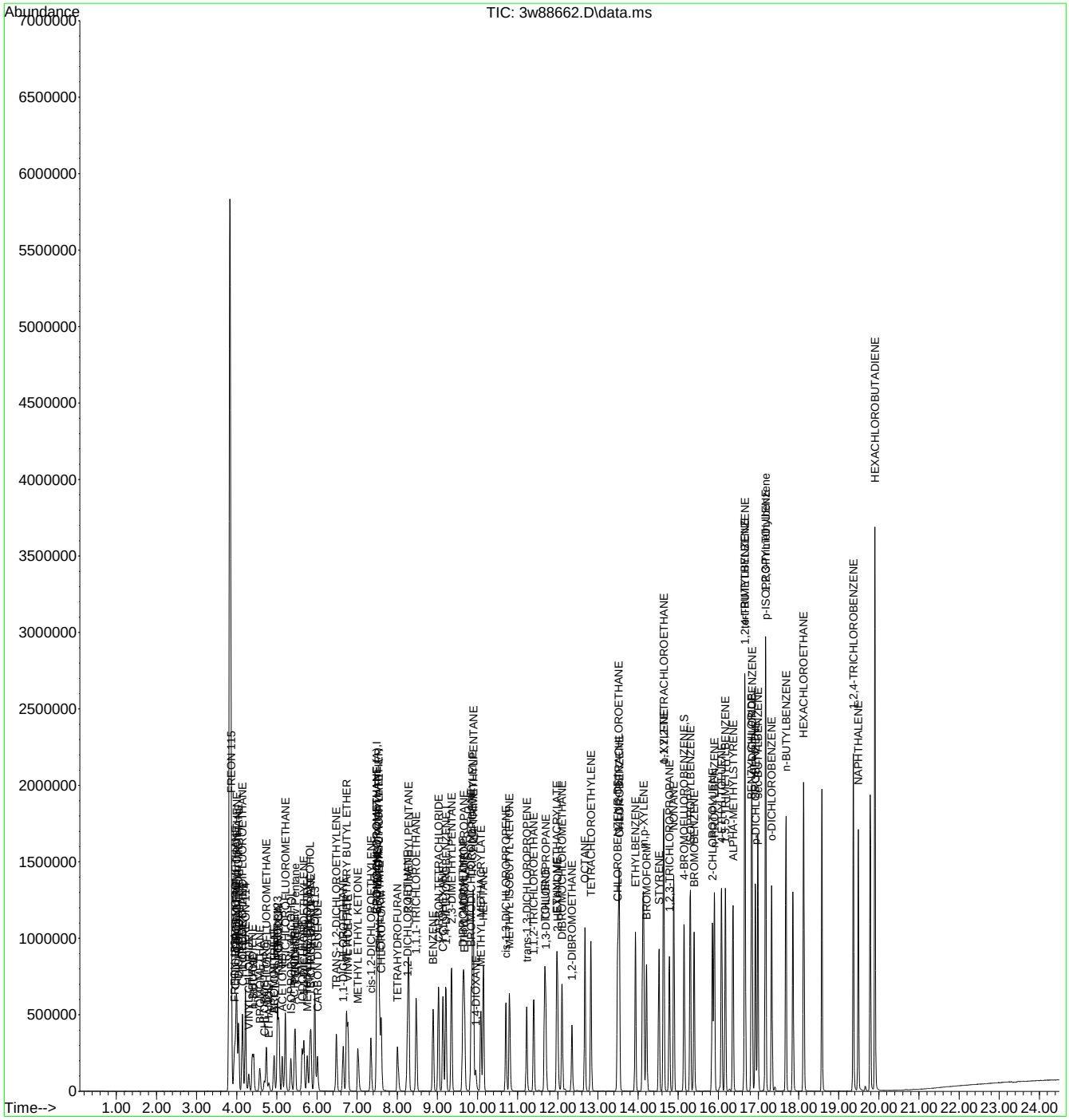
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88662.D
Acq On : 9 Sep 2024 7:57 am
Operator : benk
Sample : icc3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 19:22:05 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Fri Aug 30 12:29:18 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 104948 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.214 | 114 | 544279 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.491 | 82 | 359442 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 104948 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.151 | 95 | 434382 | 9.89 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 98.90% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 415208 | 22.44 | PPBV | | 100 |
| 3) FREON 152A | 3.945 | 65 | 206915 | 22.49 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.976 | 67 | 124700 | 22.18 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 389509 | 21.75 | PPBV | # | 99 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 1171802 | 21.95 | PPBV | | 100 |
| 7) PROPYLENE | 3.994 | 41 | 372553 | 22.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 1008900 | 21.76 | PPBV | | 99 |
| 9) FREON 114 | 4.219 | 85 | 809009 | 23.22 | PPBV | | 99 |
| 10) CHLOROMETHANE | 4.158 | 52 | 112298 | 21.35 | PPBV | # | 81 |
| 11) VINYL CHLORIDE | 4.304 | 62 | 306607 | 22.04 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.390 | 54 | 248687 | 23.41 | PPBV | | 96 |
| 13) n-BUTANE | 4.426 | 43 | 470724 | 22.57 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.578 | 94 | 242297 | 22.23 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.688 | 64 | 129172 | 21.65 | PPBV | | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 691281 | 22.05 | PPBV | | 99 |
| 17) ACETONITRILE | 4.931 | 41 | 228735 | 20.32 | PPBV | | 99 |
| 18) ACROLEIN | 5.016 | 56 | 123478 | 21.86 | PPBV | | 99 |
| 19) FREON 123 | 5.016 | 83 | 622357 | 22.10 | PPBV | | 100 |
| 20) FREON 123A | 5.053 | 117 | 381500 | 22.83 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 1044886 | 21.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.326 | 45 | 669308 | 21.46 | PPBV | | 99 |
| 23) ACETONE | 5.126 | 58 | 137294 | 21.41 | PPBV | | 94 |
| 24) PENTANE | 5.454 | 42 | 300459 | 21.94 | PPBV | | 99 |
| 25) IODOMETHANE | 5.631 | 142 | 714212 | 22.69 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 239920 | 22.23 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 812331 | 22.08 | PPBV | | 99 |
| 28) ETHANOL | 4.791 | 45 | 159414 | 21.41 | PPBV | | 99 |
| 29) BROMOETHENE | 4.931 | 106 | 242203 | 22.38 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.436 | 52 | 210295 | 22.51 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 207280 | 21.43 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.850 | 76 | 118182 | 21.73 | PPBV | # | 63 |
| 33) FREON 113 | 5.947 | 151 | 488478 | 22.28 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 293264 | 21.12 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.789 | 59 | 726850 | 20.34 | PPBV | # | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.726 | 73 | 1010754 | 21.77 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 7.991 | 72 | 141779 | 21.43 | PPBV | | 96 |
| 38) HEXANE | 7.504 | 57 | 600420 | 20.87 | PPBV | | 99 |
| 39) VINYL ACETATE | 6.768 | 86 | 63033 | 21.08 | PPBV | # | 50 |
| 40) 1,1-DICHLOROETHANE | 6.659 | 63 | 678487 | 21.28 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.005 | 72 | 148588 | 21.64 | PPBV | | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 305338 | 21.30 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.529 | 59 | 164864 | 21.16 | PPBV | # | 92 |
| 44) ETHYL ACETATE | 7.553 | 61 | 110239 | 20.39 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 7.535 | 55 | 772970 | 20.84 | PPBV | | 100 |
| 46) CHLOROFORM | 7.608 | 83 | 755463 | 21.17 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 720279 | 21.01 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 903158 | 21.94 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 987870 | 22.16 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.253 | 62 | 716271 | 22.14 | PPBV | | 100 |
| 52) | BENZENE | 8.897 | 78 | 904319 | 21.25 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 391732 | 21.06 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 199395 | 20.81 | PPBV | | 99 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 460366 | 20.67 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 385862 | 19.96 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 9.640 | 174 | 436713 | 20.98 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 9.670 | 55 | 1021059 | 20.81 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 9.846 | 83 | 923712 | 20.94 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.901 | 57 | 2000166 | 20.96 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 9.932 | 88 | 212172 | 20.57 | PPBV | # | 56 |
| 62) | HEPTANE | 10.151 | 43 | 872148 | 21.49 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.078 | 69 | 354475 | 21.12 | PPBV | | 100 |
| 64) | METHYL ISOBUTYL KETONE | 10.783 | 58 | 389969 | 21.41 | PPBV | | 98 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 677458 | 21.40 | PPBV | | 100 |
| 66) | TOLUENE | 11.678 | 92 | 655479 | 21.19 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 11.708 | 76 | 590770 | 21.33 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 669764 | 20.61 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.404 | 83 | 351536 | 21.07 | PPBV | | 100 |
| 71) | 2-HEXANONE | 11.988 | 58 | 547910 | 19.16 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 11.970 | 69 | 583626 | 19.02 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 527731 | 20.38 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 12.110 | 129 | 841936 | 19.09 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.359 | 107 | 673050 | 20.11 | PPBV | | 99 |
| 76) | OCTANE | 12.681 | 43 | 1228995 | 19.58 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 592660 | 20.29 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 13.539 | 112 | 957754 | 19.94 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 13.941 | 91 | 1659178 | 20.21 | PPBV | | 100 |
| 80) | m,p-XYLENE | 14.135 | 106 | 1199587 | 39.55 | PPBV | | 98 |
| 81) | o-XYLENE | 14.640 | 106 | 596943 | 20.09 | PPBV | | 98 |
| 82) | STYRENE | 14.525 | 104 | 985408 | 20.37 | PPBV | | 99 |
| 83) | NONANE | 14.896 | 43 | 1355828 | 19.30 | PPBV | | 99 |
| 84) | BROMOFORM | 14.214 | 173 | 1003316 | 20.19 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.640 | 83 | 944421 | 19.99 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 843122 | 19.58 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 15.303 | 105 | 1958115 | 19.54 | PPBV | | 100 |
| 89) | BROMOBENZENE | 15.401 | 77 | 1029459 | 19.05 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 450733 | 19.11 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 15.906 | 120 | 509839 | 19.46 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 16.082 | 105 | 2010347 | 20.19 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.179 | 105 | 1722422 | 19.96 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 804457 | 19.21 | PPBV | | 100 |
| 95) | tert-BUTYLBENZENE | 16.660 | 134 | 346472 | 20.23 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.672 | 105 | 1771157 | 20.25 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 16.849 | 146 | 1177999 | 19.06 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 16.830 | 91 | 1779881 | 19.45 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 16.928 | 146 | 1224457 | 20.19 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 16.989 | 134 | 466513 | 19.95 | PPBV | | 99 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 1850178 | 19.76 | PPBV | | 99 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 524676 | 19.71 | PPBV | | 99 |
| 103) | o-DICHLOROBENZENE | 17.335 | 146 | 1171615 | 19.66 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 526404 | 19.89 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 826705 | 20.45 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 1554241 | 20.57 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.367 | 180 | 1507315 | 20.32 | PPBV | | 100 |
| 108) | NAPHTHALENE | 19.489 | 128 | 2593518 | 20.16 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 2206032 | 22.41 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration

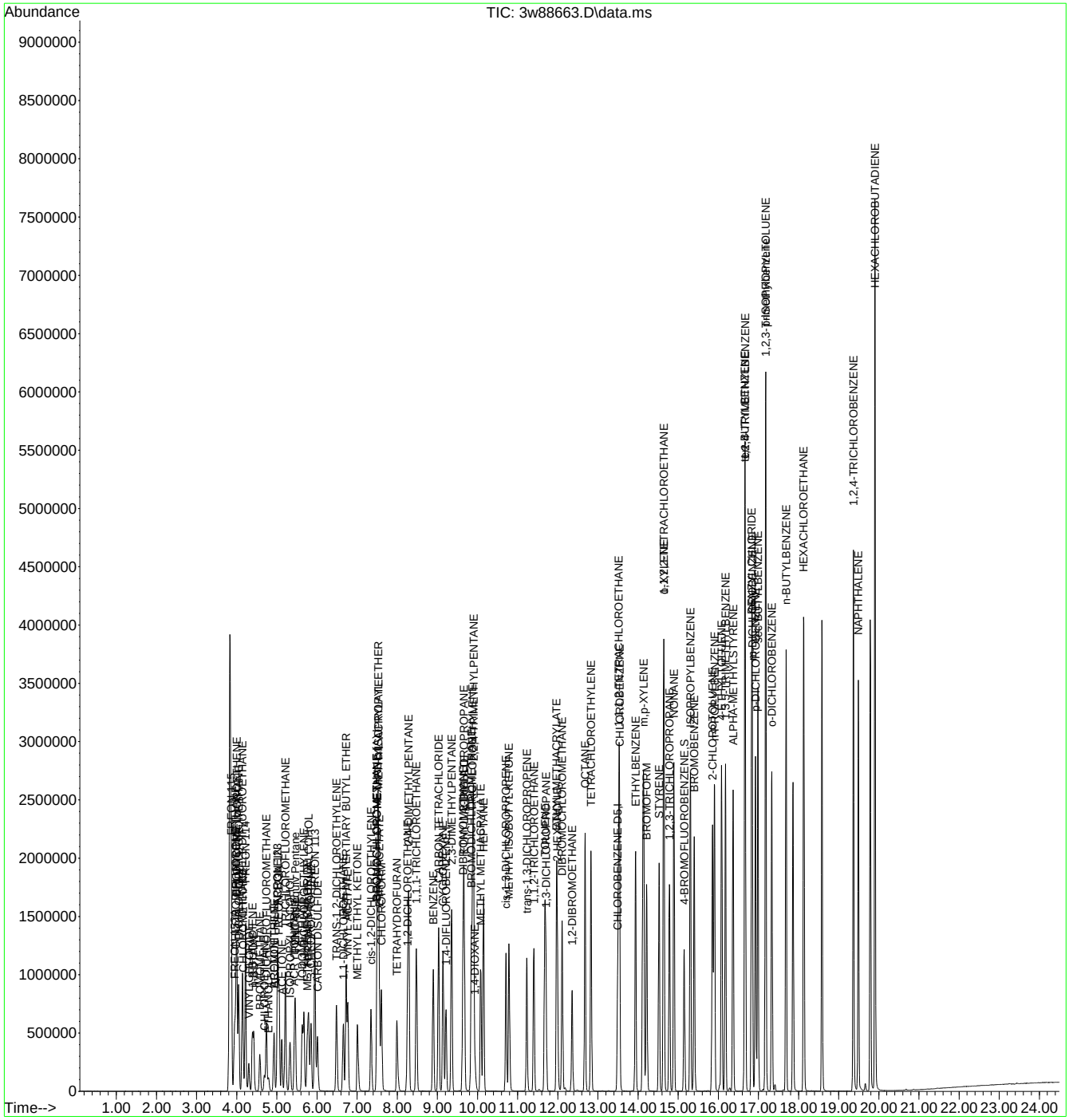
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88663.D
Acq On : 9 Sep 2024 8:38 am
Operator : benk
Sample : ic3499-20
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:10:36 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:10:23 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.498 | 128 | 107057 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.220 | 114 | 556434 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.496 | 82 | 430828 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.498 | 128 | 107057 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.151 | 95 | 435716 | 8.32 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 83.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 748280 | 38.70 | PPBV | | 100 |
| 3) FREON 152A | 3.945 | 65 | 433404 | 45.04 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 3.976 | 67 | 257569 | 43.90 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 825224 | 44.38 | PPBV | # | 99 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 2442167 | 44.07 | PPBV | | 99 |
| 7) PROPYLENE | 3.994 | 41 | 742811 | 43.25 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 2080430 | 43.41 | PPBV | | 99 |
| 9) FREON 114 | 4.219 | 85 | 1709255 | 46.79 | PPBV | | 99 |
| 10) CHLOROMETHANE | 4.158 | 52 | 233356 | 42.93 | PPBV | # | 83 |
| 11) VINYL CHLORIDE | 4.304 | 62 | 655855 | 44.66 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.389 | 54 | 522392 | 46.26 | PPBV | | 95 |
| 13) n-BUTANE | 4.426 | 43 | 972257 | 44.69 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.578 | 94 | 527306 | 46.08 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.687 | 64 | 280711 | 45.20 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 1473513 | 45.17 | PPBV | | 99 |
| 17) ACETONITRILE | 4.925 | 41 | 478902 | 41.59 | PPBV | | 97 |
| 18) ACROLEIN | 5.016 | 56 | 260853 | 44.36 | PPBV | | 98 |
| 19) FREON 123 | 5.016 | 83 | 1336863 | 45.57 | PPBV | | 100 |
| 20) FREON 123A | 5.053 | 117 | 818095 | 47.10 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 2168254 | 43.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.308 | 45 | 1367106 | 42.71 | PPBV | | 100 |
| 23) ACETONE | 5.113 | 58 | 288575 | 43.26 | PPBV | # | 90 |
| 24) PENTANE | 5.454 | 42 | 611654 | 43.64 | PPBV | | 100 |
| 25) IODOMETHANE | 5.630 | 142 | 1515424 | 46.46 | PPBV | | 97 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 507449 | 45.22 | PPBV | | 95 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 1688266 | 44.07 | PPBV | | 97 |
| 28) ETHANOL | 4.791 | 45 | 329343 | 42.31 | PPBV | | 99 |
| 29) BROMOETHENE | 4.925 | 106 | 526337 | 46.39 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.436 | 52 | 435754 | 45.20 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.764 | 84 | 438526 | 44.00 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 5.849 | 76 | 251274 | 44.52 | PPBV | # | 55 |
| 33) FREON 113 | 5.947 | 151 | 1025271 | 44.71 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 592122 | 41.68 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.770 | 59 | 1508111 | 40.82 | PPBV | # | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.719 | 73 | 2025616 | 42.60 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 7.985 | 72 | 284178 | 41.68 | PPBV | # | 92 |
| 38) HEXANE | 7.510 | 57 | 1161748 | 40.27 | PPBV | | 99 |
| 39) VINYL ACETATE | 6.768 | 86 | 128653 | 41.90 | PPBV | # | 42 |
| 40) 1,1-DICHLOROETHANE | 6.659 | 63 | 1370369 | 42.26 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.005 | 72 | 296544 | 42.30 | PPBV | # | 89 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.352 | 96 | 618874 | 42.42 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.522 | 59 | 323226 | 41.08 | PPBV | # | 81 |
| 44) ETHYL ACETATE | 7.547 | 61 | 219263 | 40.90 | PPBV | # | 87 |
| 45) METHYL ACRYLATE | 7.535 | 55 | 1503470 | 40.45 | PPBV | | 100 |
| 46) CHLOROFORM | 7.614 | 83 | 1528079 | 42.40 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.289 | 57 | 1408484 | 40.83 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 1845115 | 43.60 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 2009272 | 43.62 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.259 | 62 | 1461043 | 43.92 | PPBV | | 100 |
| 52) | BENZENE | 8.897 | 78 | 1833666 | 42.88 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.147 | 84 | 796839 | 42.63 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 9.360 | 71 | 400548 | 41.65 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 9.883 | 95 | 939817 | 41.60 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 9.664 | 63 | 765469 | 39.71 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 9.640 | 174 | 891183 | 41.90 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 9.670 | 55 | 2020374 | 40.84 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 9.852 | 83 | 1873022 | 41.60 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.901 | 57 | 3899926 | 40.57 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 9.919 | 88 | 437610 | 41.93 | PPBV | # | 1 |
| 62) | HEPTANE | 10.157 | 43 | 1733888 | 42.28 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.078 | 69 | 743491 | 44.02 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 10.777 | 58 | 817950 | 44.12 | PPBV | | 93 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.716 | 75 | 1422804 | 43.96 | PPBV | | 98 |
| 66) | TOLUENE | 11.684 | 92 | 1395095 | 44.13 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 11.708 | 76 | 1249787 | 44.00 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.233 | 75 | 1420488 | 42.54 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.410 | 83 | 728194 | 43.03 | PPBV | | 99 |
| 71) | 2-HEXANONE | 11.982 | 58 | 1108747 | 33.98 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 11.970 | 69 | 1218696 | 34.78 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 12.833 | 164 | 1123017 | 37.40 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 12.116 | 129 | 1784091 | 35.36 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.365 | 107 | 1412218 | 36.78 | PPBV | | 100 |
| 76) | OCTANE | 12.687 | 43 | 2391946 | 33.50 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.527 | 131 | 1245964 | 36.70 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 13.545 | 112 | 1998437 | 36.10 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 13.941 | 91 | 3496654 | 37.05 | PPBV | | 100 |
| 80) | m,p-XYLENE | 14.141 | 106 | 2498745 | 71.45 | PPBV | | 97 |
| 81) | o-XYLENE | 14.646 | 106 | 1222281 | 35.72 | PPBV | | 98 |
| 82) | STYRENE | 14.531 | 104 | 2049235 | 36.70 | PPBV | | 98 |
| 83) | NONANE | 14.896 | 43 | 2560065 | 32.25 | PPBV | | 96 |
| 84) | BROMOFORM | 14.220 | 173 | 2143865 | 37.04 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.646 | 83 | 1904525 | 35.09 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.786 | 75 | 1723239 | 34.72 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 15.309 | 105 | 3993700 | 34.61 | PPBV | | 99 |
| 89) | BROMOBENZENE | 15.407 | 77 | 2153073 | 34.71 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 929548 | 34.11 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 15.906 | 120 | 1056676 | 35.09 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 16.088 | 105 | 4154202 | 36.14 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.185 | 105 | 3585304 | 36.19 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.374 | 118 | 1678920 | 34.78 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 16.666 | 134 | 710895 | 36.08 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.678 | 105 | 3700836 | 36.76 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.855 | 146 | 2407382 | 33.92 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 16.836 | 91 | 3704990 | 34.92 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 16.934 | 146 | 2516911 | 35.96 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 16.995 | 134 | 955050 | 35.59 | PPBV | | 97 |
| 101) | 1,2,3-Trimethylbenzene | 17.183 | 105 | 3847812 | 35.65 | PPBV | | 98 |
| 102) | p-ISOPROPYLTOLUENE | 17.189 | 134 | 1064916 | 34.90 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 17.341 | 146 | 2420103 | 35.31 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 17.694 | 134 | 1088915 | 35.74 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 18.132 | 117 | 1714485 | 36.68 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 19.909 | 225 | 3364930 | 38.06 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.373 | 180 | 3165975 | 36.86 | PPBV | | 99 |
| 108) | NAPHTHALENE | 19.495 | 128 | 5461064 | 36.80 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 4397937 | 43.19 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration

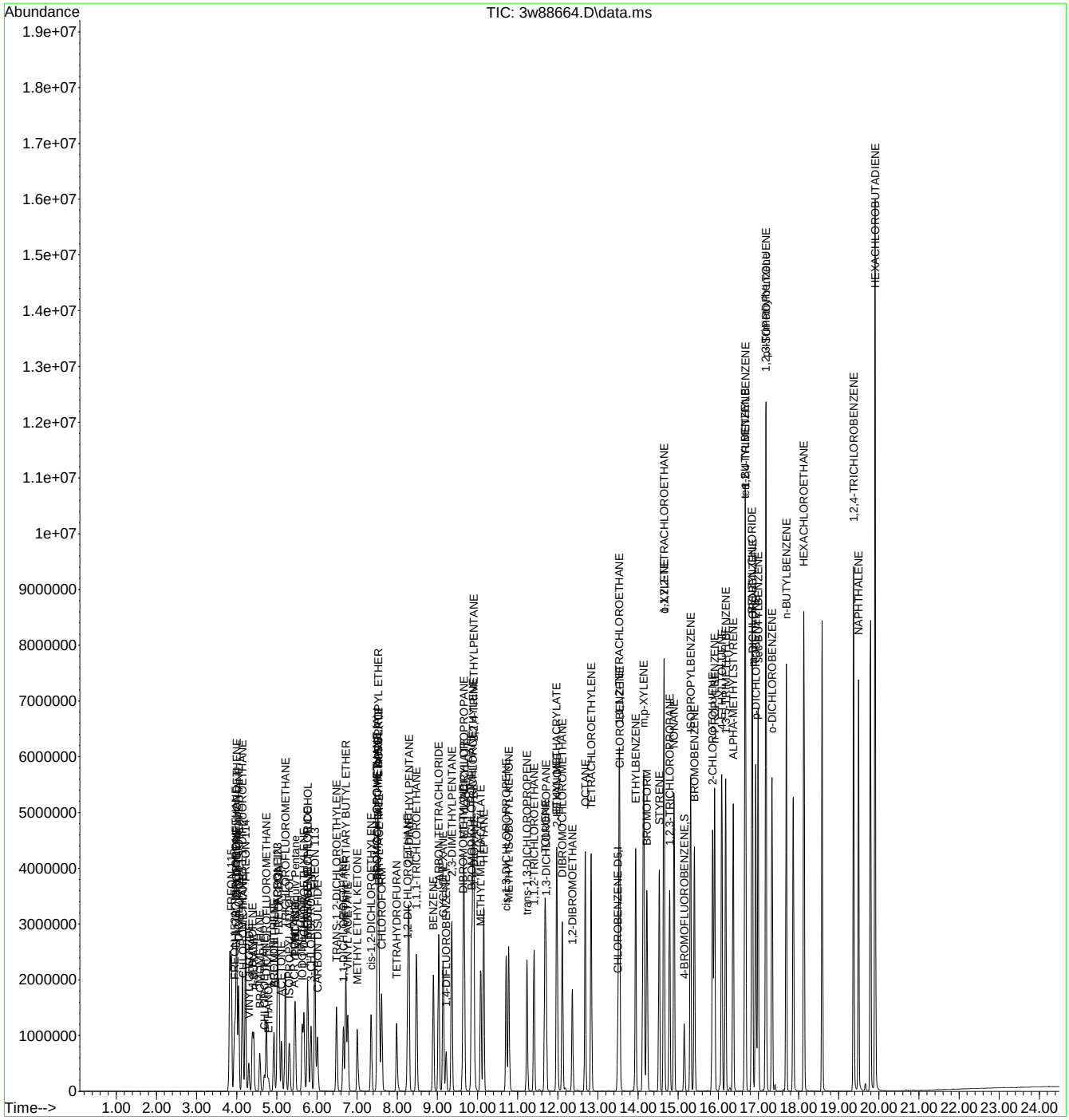
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88664.D
Acq On : 9 Sep 2024 9:22 am
Operator : benk
Sample : ic3499-40
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 10 20:11:15 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Tue Sep 10 20:11:03 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 97915 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.208 | 114 | 499662 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.491 | 82 | 301742 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 97915 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 375994 | 10.24 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 102.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 170611 | 10.25 | PPBV | | 99 |
| 3) FREON 152A | 3.946 | 65 | 83903 | 10.05 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 56009 | 10.92 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 160278 | 9.71 | PPBV | # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.049 | 85 | 508246 | 10.46 | PPBV | | 99 |
| 7) PROPYLENE | 3.994 | 41 | 163131 | 10.46 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 458005 | 10.54 | PPBV | | 99 |
| 9) FREON 114 | 4.219 | 85 | 352463 | 11.11 | PPBV | | 100 |
| 10) CHLOROMETHANE | 4.158 | 52 | 48242 | 9.96 | PPBV | # | 85 |
| 11) VINYL CHLORIDE | 4.304 | 62 | 130526 | 9.94 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.390 | 54 | 109938 | 10.47 | PPBV | | 98 |
| 13) n-BUTANE | 4.426 | 43 | 218080 | 9.83 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.578 | 94 | 107259 | 9.27 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.688 | 64 | 57072 | 10.31 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 324821 | 10.70 | PPBV | | 99 |
| 17) ACETONITRILE | 4.937 | 41 | 115461 | 9.59 | PPBV | | 98 |
| 18) ACROLEIN | 5.022 | 56 | 59690 | 10.24 | PPBV | | 100 |
| 19) FREON 123 | 5.016 | 83 | 282785 | 10.32 | PPBV | | 98 |
| 20) FREON 123A | 5.053 | 117 | 162250 | 10.40 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 507416 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.351 | 45 | 336632 | 8.83 | PPBV | | 99 |
| 23) ACETONE | 5.132 | 58 | 64247 | 8.78 | PPBV | | 97 |
| 24) PENTANE | 5.460 | 42 | 145044 | 9.39 | PPBV | | 98 |
| 25) IODOMETHANE | 5.631 | 142 | 337599 | 11.40 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.673 | 96 | 111886 | 10.72 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 413350 | 11.80 | PPBV | | 100 |
| 28) ETHANOL | 4.797 | 45 | 67760 | 8.04 | PPBV | | 98 |
| 29) BROMOETHENE | 4.925 | 106 | 110501 | 10.82 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.436 | 52 | 101999 | 9.62 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.758 | 84 | 100689 | 9.03 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.850 | 76 | 54772 | 10.85 | PPBV | # | 92 |
| 33) FREON 113 | 5.947 | 151 | 239285 | 11.30 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.482 | 96 | 140987 | 11.02 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.825 | 59 | 383652 | 11.17 | PPBV | # | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.738 | 73 | 480451 | 11.04 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.009 | 72 | 67486 | 11.64 | PPBV | | 99 |
| 38) HEXANE | 7.504 | 57 | 287902 | 10.05 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.774 | 86 | 29829 | 11.90 | PPBV | # | 87 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 323795 | 10.72 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.024 | 72 | 69227 | 11.69 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 145269 | 11.20 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.535 | 59 | 80090 | 10.59 | PPBV | | 98 |
| 44) ETHYL ACETATE | 7.559 | 61 | 53960 | 12.01 | PPBV | # | 96 |
| 45) METHYL ACRYLATE | 7.541 | 55 | 380798 | 11.30 | PPBV | | 100 |
| 46) CHLOROFORM | 7.602 | 83 | 382790 | 11.36 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 348976 | 11.49 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 436894 | 11.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 471230 | 11.66 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.253 | 62 | 346065 | 11.49 | PPBV | | 99 |
| 52) | BENZENE | 8.891 | 78 | 432918 | 10.95 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 186511 | 11.55 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 94486 | 11.11 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 212503 | 10.63 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 190500 | 10.43 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 9.634 | 174 | 208404 | 10.29 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 9.676 | 55 | 497525 | 11.56 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 438562 | 10.81 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 949004 | 11.00 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 9.956 | 88 | 96585 | 10.46 | PPBV | | 96 |
| 62) | HEPTANE | 10.145 | 43 | 414982 | 11.12 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.084 | 69 | 166110 | 11.13 | PPBV | | 94 |
| 64) | METHYL ISOBUTYL KETONE | 10.796 | 58 | 177632 | 11.12 | PPBV | | 97 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 294892 | 10.54 | PPBV | | 97 |
| 66) | TOLUENE | 11.678 | 92 | 303081 | 10.44 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 11.702 | 76 | 272409 | 10.36 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.228 | 75 | 308238 | 10.82 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.404 | 83 | 164354 | 10.53 | PPBV | | 99 |
| 71) | 2-HEXANONE | 11.994 | 58 | 248068 | 11.22 | PPBV | | 98 |
| 72) | ETHYL METHACRYLATE | 11.976 | 69 | 276553 | 11.45 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 12.828 | 164 | 242669 | 10.59 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 12.110 | 129 | 388973 | 10.87 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 308298 | 10.85 | PPBV | | 100 |
| 76) | OCTANE | 12.675 | 43 | 572764 | 11.07 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 270010 | 10.92 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 13.539 | 112 | 429470 | 10.50 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 13.935 | 91 | 761750 | 10.96 | PPBV | | 99 |
| 80) | m,p-XYLENE | 14.129 | 106 | 543461 | 21.37 | PPBV | | 99 |
| 81) | o-XYLENE | 14.640 | 106 | 268470 | 11.07 | PPBV | | 98 |
| 82) | STYRENE | 14.525 | 104 | 435771 | 11.46 | PPBV | | 98 |
| 83) | NONANE | 14.890 | 43 | 637224 | 11.41 | PPBV | | 100 |
| 84) | BROMOFORM | 14.215 | 173 | 438599 | 11.52 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.640 | 83 | 430819 | 10.49 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 384513 | 10.68 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 15.304 | 105 | 884987 | 10.99 | PPBV | | 100 |
| 89) | BROMOBENZENE | 15.395 | 77 | 467992 | 10.35 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.857 | 126 | 205255 | 11.12 | PPBV | | 98 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 231670 | 11.28 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 16.082 | 105 | 906880 | 11.93 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 777310 | 11.71 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.368 | 118 | 373185 | 11.61 | PPBV | | 100 |
| 95) | tert-BUTYLBENZENE | 16.660 | 134 | 157289 | 11.82 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 800168 | 11.73 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.843 | 146 | 532528 | 10.53 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 833091 | 11.97 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 16.928 | 146 | 548559 | 10.90 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 16.989 | 134 | 212594 | 11.84 | PPBV | | 99 |
| 101) | 1,2,3-Trimethylbenzene | 17.177 | 105 | 841691 | 11.72 | PPBV | | 99 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 241666 | 12.01 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 524363 | 10.70 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 17.688 | 134 | 237351 | 11.92 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 371509 | 12.02 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 687951 | 11.52 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.367 | 180 | 656552 | 11.43 | PPBV | | 100 |
| 108) | NAPHTHALENE | 19.489 | 128 | 1184071 | 12.32 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 1080444 | 10.39 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

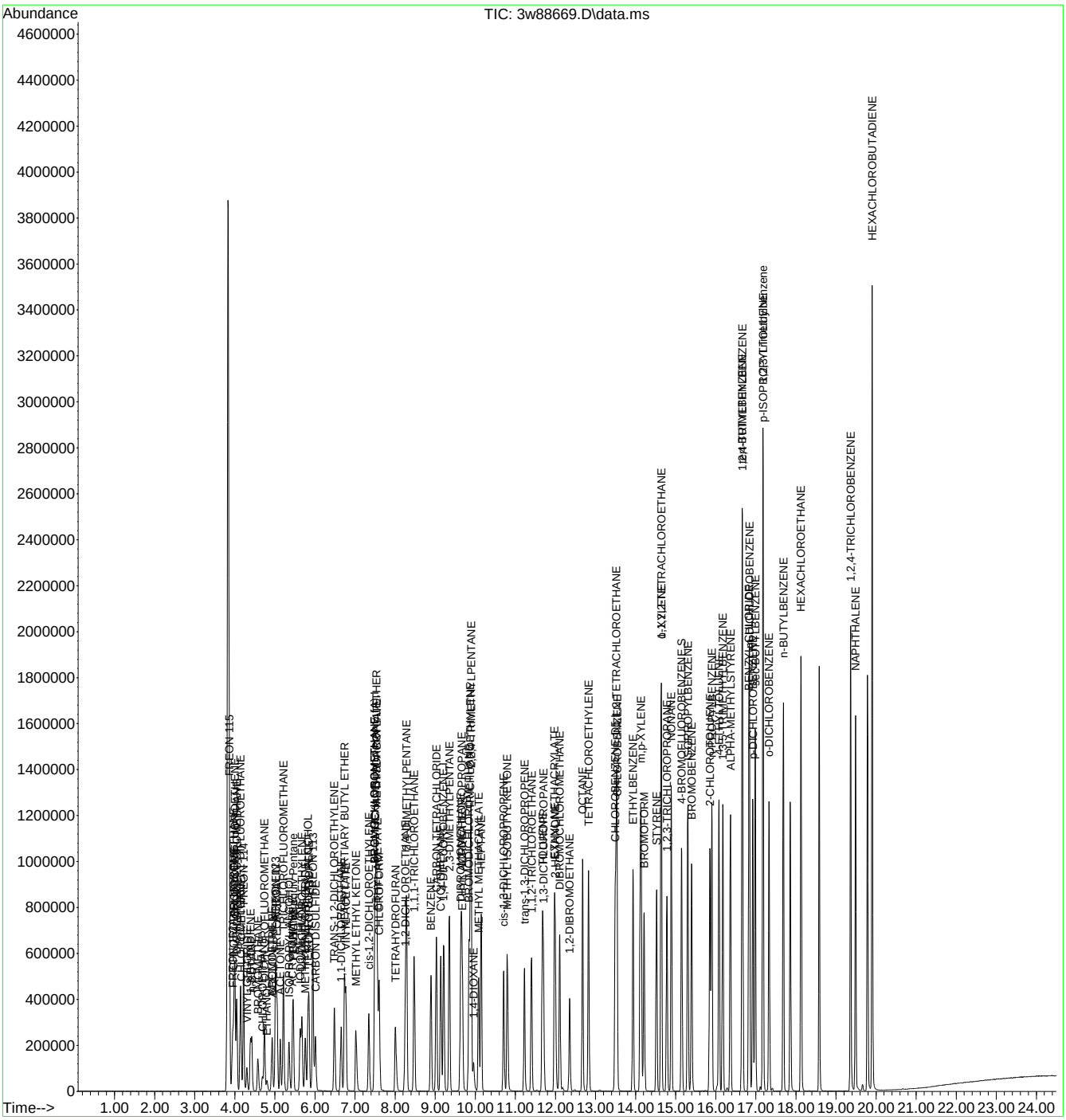
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 3w88669.D
Acq On : 9 Sep 2024 1:02 pm
Operator : benk
Sample : icv3499-10
Misc : MS80966,v3w3499,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 12:34:16 2024
Quant Method : C:\msdchem\1\METHODS\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.492 | 128 | 85839 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.214 | 114 | 439834 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 13.491 | 82 | 234703 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.492 | 128 | 85839 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 15.145 | 95 | 255222 | 8.94 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 89.40% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.866 | 119 | 159328 | 10.9214 | PPBV | 96 |
| 3) FREON 152A | 3.945 | 65 | 87718 | 11.9872 | PPBV | 87 |
| 4) CHLORODIFLUOROMETHANE | 3.970 | 67 | 46139 | 10.2577 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 4.000 | 116 | 158421 | 10.9460 | PPBV # | 98 |
| 6) DICHLORODIFLUOROMETHANE | 4.043 | 85 | 443826 | 10.4212 | PPBV | 99 |
| 7) PROPYLENE | 3.994 | 41 | 147441 | 10.7820 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 4.140 | 65 | 359837 | 9.4461 | PPBV | 100 |
| 9) FREON 114 | 4.219 | 85 | 294217 | 10.5766 | PPBV | 97 |
| 10) CHLOROMETHANE | 4.158 | 52 | 41271 | 9.7182 | PPBV | 95 |
| 11) VINYL CHLORIDE | 4.304 | 62 | 113222 | 9.8316 | PPBV | 97 |
| 12) 1,3-BUTADIENE | 4.390 | 54 | 90429 | 9.8283 | PPBV | 96 |
| 13) n-BUTANE | 4.426 | 43 | 186916 | 9.6070 | PPBV | 99 |
| 14) BROMOMETHANE | 4.578 | 94 | 93290 | 9.1973 | PPBV | 98 |
| 15) CHLOROETHANE | 4.688 | 64 | 52774 | 10.8793 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.736 | 67 | 271143 | 10.1928 | PPBV | 97 |
| 17) ACETONITRILE | 4.937 | 41 | 98900 | 9.3675 | PPBV | 99 |
| 18) ACROLEIN | 5.028 | 56 | 44811 | 8.7726 | PPBV | 98 |
| 19) FREON 123 | 5.016 | 83 | 243374 | 10.1322 | PPBV | 97 |
| 20) FREON 123A | 5.053 | 117 | 141177 | 10.3182 | PPBV | 90 |
| 21) TRICHLOROFLUOROMETHANE | 5.211 | 101 | 356610 | 8.8687 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.351 | 45 | 358873 | 10.7361 | PPBV | 94 |
| 23) ACETONE | 5.132 | 58 | 51945 | 8.0942 | PPBV | 99 |
| 24) PENTANE | 5.460 | 42 | 190234 | 14.0534 | PPBV | 88 |
| 25) IODOMETHANE | 5.637 | 142 | 322225 | 12.4134 | PPBV | 86 |
| 26) 1,1-DICHLOROETHYLENE | 5.679 | 96 | 122329 | 13.3745 | PPBV # | 87 |
| 27) CARBON DISULFIDE | 6.014 | 76 | 363599 | 11.8406 | PPBV | 92 |
| 28) ETHANOL | 4.797 | 45 | 73656 | 9.9672 | PPBV | 99 |
| 29) BROMOETHENE | 4.925 | 106 | 93211 | 10.4072 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.436 | 52 | 119729 | 12.8765 | PPBV | 95 |
| 31) METHYLENE CHLORIDE | 5.764 | 84 | 113140 | 11.5690 | PPBV | 96 |
| 32) 3-CHLOROPROPENE | 5.856 | 76 | 67076 | 15.1627 | PPBV # | 87 |
| 33) FREON 113 | 5.953 | 151 | 208134 | 11.2138 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.488 | 96 | 125358 | 11.1783 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.819 | 59 | 329269 | 10.9332 | PPBV # | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.738 | 73 | 421081 | 11.0402 | PPBV | 96 |
| 37) TETRAHYDROFURAN | 8.003 | 72 | 62303 | 12.2579 | PPBV # | 83 |
| 38) HEXANE | 7.510 | 57 | 253770 | 10.1074 | PPBV | 94 |
| 39) VINYL ACETATE | 6.774 | 86 | 25886 | 11.7800 | PPBV # | 77 |
| 40) 1,1-DICHLOROETHANE | 6.659 | 63 | 286553 | 10.8214 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.018 | 72 | 65671 | 12.6517 | PPBV # | 74 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.346 | 96 | 132417 | 11.6452 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 7.535 | 59 | 69398 | 10.4632 | PPBV # | 84 |
| 44) ETHYL ACETATE | 7.559 | 61 | 50767 | 12.8852 | PPBV # | 68 |
| 45) METHYL ACRYLATE | 7.541 | 55 | 304949 | 10.3250 | PPBV | 98 |
| 46) CHLOROFORM | 7.602 | 83 | 311988 | 10.5624 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.283 | 57 | 301908 | 11.3368 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 8.478 | 97 | 343628 | 10.2242 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.031 | 117 | 359221 | 10.1369 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.253 | 62 | 264468 | 10.0164 | PPBV | | 99 |
| 52) | BENZENE | 8.897 | 78 | 392100 | 11.2690 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 9.141 | 84 | 169429 | 11.9236 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 9.354 | 71 | 87177 | 11.6451 | PPBV | # | 82 |
| 55) | TRICHLOROETHYLENE | 9.877 | 95 | 188622 | 10.7232 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 9.658 | 63 | 171064 | 10.6376 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 9.634 | 174 | 194633 | 10.9123 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 9.676 | 55 | 393143 | 10.3809 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 9.840 | 83 | 356837 | 9.9896 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 9.895 | 57 | 828946 | 10.9184 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 9.950 | 88 | 90224 | 11.0969 | PPBV | | 94 |
| 62) | HEPTANE | 10.151 | 43 | 337599 | 10.2766 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.078 | 69 | 157421 | 11.9774 | PPBV | | 89 |
| 64) | METHYL ISOBUTYL KETONE | 10.796 | 58 | 148268 | 10.5415 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 10.710 | 75 | 281467 | 11.4238 | PPBV | | 94 |
| 66) | TOLUENE | 11.672 | 92 | 275907 | 10.7984 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 11.702 | 76 | 242275 | 10.4647 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 11.227 | 75 | 266408 | 10.6213 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 11.398 | 83 | 147893 | 10.7642 | PPBV | | 100 |
| 71) | 2-HEXANONE | 11.988 | 58 | 205308 | 11.9356 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 11.970 | 69 | 252407 | 13.4381 | PPBV | | 89 |
| 73) | TETRACHLOROETHYLENE | 12.827 | 164 | 212510 | 11.9268 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 12.104 | 129 | 308074 | 11.0712 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 12.353 | 107 | 269813 | 12.2135 | PPBV | | 100 |
| 76) | OCTANE | 12.675 | 43 | 466910 | 11.5984 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 13.521 | 131 | 216193 | 11.2441 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 13.533 | 112 | 378273 | 11.8953 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 13.935 | 91 | 661169 | 12.2249 | PPBV | | 100 |
| 80) | m,p-XYLENE | 14.129 | 106 | 470970 | 23.8105 | PPBV | | 100 |
| 81) | o-XYLENE | 14.640 | 106 | 232227 | 12.3139 | PPBV | | 98 |
| 82) | STYRENE | 14.519 | 104 | 385602 | 13.0350 | PPBV | | 99 |
| 83) | NONANE | 14.890 | 43 | 508287 | 11.6993 | PPBV | | 96 |
| 84) | BROMOFORM | 14.208 | 173 | 297650 | 10.0535 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 14.634 | 83 | 376471 | 11.7868 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 14.780 | 75 | 326480 | 11.6543 | PPBV | | 98 |
| 88) | ISOPROPYLBENZENE | 15.303 | 105 | 740068 | 11.8180 | PPBV | | 99 |
| 89) | BROMOBENZENE | 15.395 | 77 | 395532 | 11.2420 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 15.851 | 126 | 172814 | 12.0367 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 15.900 | 120 | 195642 | 12.2428 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 16.076 | 105 | 763383 | 12.9101 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.173 | 105 | 644110 | 12.4701 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.362 | 118 | 302916 | 12.1161 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 16.660 | 134 | 124054 | 11.9831 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.666 | 105 | 650528 | 12.2634 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 16.843 | 146 | 436997 | 11.1138 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 16.824 | 91 | 647185 | 11.9515 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 16.922 | 146 | 452697 | 11.5651 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 16.983 | 134 | 166927 | 11.9562 | PPBV | # | 91 |
| 101) | 1,2,3-Trimethylbenzene | 17.171 | 105 | 674304 | 12.0733 | PPBV | | 98 |
| 102) | p-ISOPROPYLTOLUENE | 17.183 | 134 | 183758 | 11.7384 | PPBV | # | 89 |
| 103) | o-DICHLOROBENZENE | 17.329 | 146 | 432421 | 11.3424 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 17.682 | 134 | 186578 | 12.0445 | PPBV | | 92 |
| 105) | HEXACHLOROETHANE | 18.126 | 117 | 280874 | 11.6835 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 19.903 | 225 | 561152 | 12.0761 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 19.361 | 180 | 551229 | 12.3419 | PPBV | | 99 |
| 108) | NAPHTHALENE | 19.489 | 128 | 950027 | 12.7128 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.454 | TIC | 1248462 | 13.6940 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration

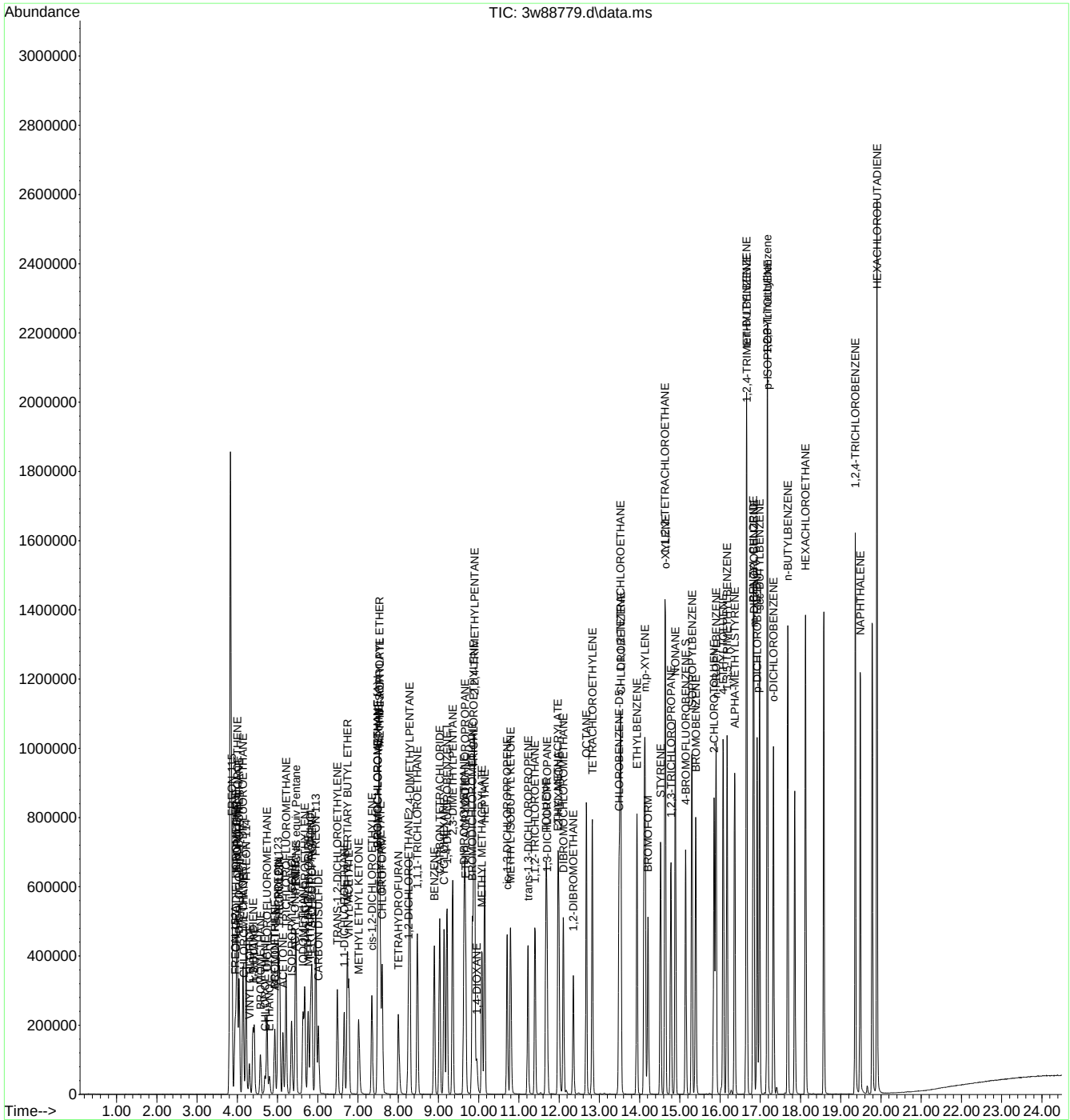
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\09-20-2024\V3W3503\
Data File : 3w88779.d
Acq On : 19 Sep 2024 1:17 pm
Operator : thomash
Sample : cc3499-10 Inst : GCMS-3W
Misc : MS80966,v3w3503,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 20 04:17:11 2024
Quant Method : C:\msdchem\1\methods\M3W3499.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Wed Sep 11 11:57:05 2024
Response via : Initial Calibration




M3W3499.M Fri Sep 20 05:23:07 2024 Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 339655 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1562017 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 815644 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 339655 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 987267 | 10.65 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 2172 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 1042 | 0.04 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 402 | 0.03 | PPBV | # | 42 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 2393 | 0.04 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 5059 | 0.04 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 1813 | 0.06 | PPBV | # | 71 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 5772 | 0.05 | PPBV | | 93 |
| 9) FREON 114 | 3.839 | 85 | 6871 | 0.04 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.778 | 52 | 563 | 0.04 | PPBV | # | 19 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2457 | 0.04 | PPBV | # | 88 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 2084 | 0.06 | PPBV | # | 65 |
| 15) CHLOROETHANE | 4.365 | 64 | 1195 | 0.05 | PPBV | | 73 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 6506 | 0.05 | PPBV | # | 97 |
| 19) FREON 123 | 4.739 | 83 | 6283 | 0.05 | PPBV | # | 69 |
| 20) FREON 123A | 4.782 | 117 | 3192 | 0.05 | PPBV | # | 67 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 4659 | 0.04 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 1715 | 0.05 | PPBV | | 85 |
| 25) IODOMETHANE | 5.424 | 142 | 3839 | 0.04 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.491 | 96 | 1503 | 0.04 | PPBV | | 85 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 3987 | 0.04 | PPBV | # | 71 |
| 29) BROMOETHENE | 4.629 | 106 | 2097 | 0.04 | PPBV | # | 72 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1675 | 0.05 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 558 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.822 | 151 | 2213 | 0.04 | PPBV | | 85 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1478 | 0.04 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.662 | 59 | 2332 | 0.03 | PPBV | # | 69 |
| 36) METHYL TERTIARY BUTYL ... | 6.806 | 73 | 3795 | 0.04 | PPBV | | 88 |
| 38) HEXANE | 7.706 | 57 | 1901 | 0.03 | PPBV | # | 76 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 2879 | 0.04 | PPBV | | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 1626 | 0.04 | PPBV | | 83 |
| 46) CHLOROFORM | 7.810 | 83 | 3517 | 0.04 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2035 | 0.03 | PPBV | | 84 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 3477 | 0.04 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 3442 | 0.04 | PPBV | | 88 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 2033 | 0.03 | PPBV | # | 91 |
| 52) BENZENE | 9.400 | 78 | 4500 | 0.04 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 1364 | 0.03 | PPBV | | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 683 | 0.03 | PPBV | # | 38 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 2173 | 0.04 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 1879 | 0.04 | PPBV | | 67 |
| 57) DIBROMOMETHANE | 10.349 | 174 | 2796 | 0.05 | PPBV | | 95 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 3467 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 6036 | 0.03 | PPBV | # | 91 |
| 62) HEPTANE | 11.040 | 43 | 2264 | 0.03 | PPBV | | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.756 | 75 | 2163 | 0.03 | PPBV | | 73 |
| 66) TOLUENE | 12.979 | 92 | 2538 | 0.03 | PPBV | | 95 |
| 67) 1,3-DICHLOROPROPANE | 13.028 | 76 | 2245 | 0.03 | PPBV | # | 80 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

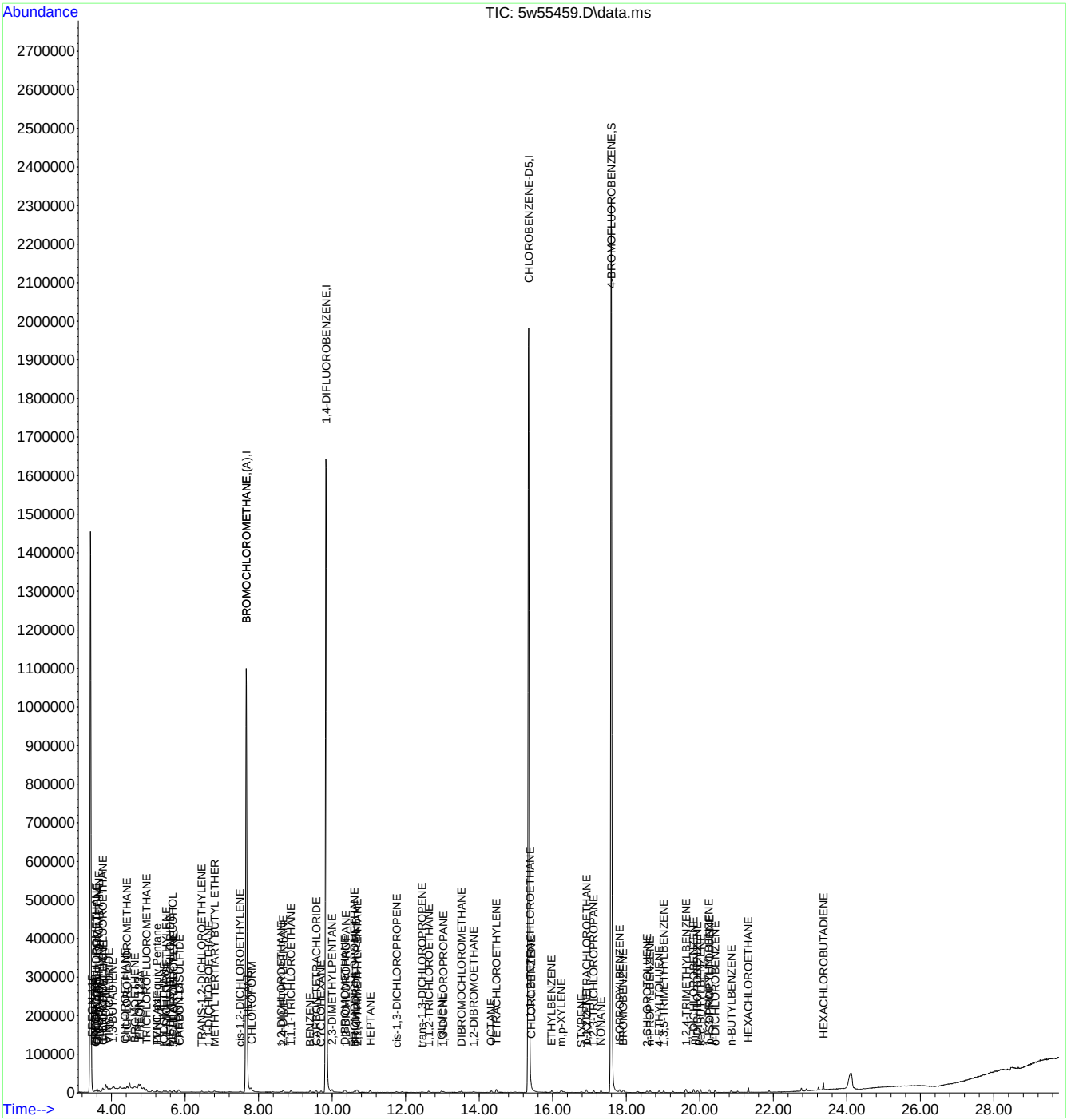
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 68) | trans-1,3-DICHLOROPROPENE | 12.441 | 75 | 1621 | 0.02 | PPBV | # | 72 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.631 | 83 | 1711 | 0.03 | PPBV | | 91 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 2289 | 0.04 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 2451 | 0.02 | PPBV | | 92 |
| 75) | 1,2-DIBROMOETHANE | 13.848 | 107 | 2444 | 0.03 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 2490 | 0.03 | PPBV | | 88 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 2034 | 0.03 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 4300 | 0.04 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.971 | 91 | 5680 | 0.03 | PPBV | | 91 |
| 80) | m,p-XYLENE | 16.234 | 106 | 3582 | 0.05 | PPBV | # | 78 |
| 81) | o-XYLENE | 16.913 | 106 | 1696 | 0.03 | PPBV | | 91 |
| 82) | STYRENE | 16.778 | 104 | 2235 | 0.02 | PPBV | | 85 |
| 83) | NONANE | 17.311 | 43 | 2668 | 0.03 | PPBV | # | 83 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.925 | 83 | 4487 | 0.04 | PPBV | # | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 3082 | 0.04 | PPBV | | 85 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 6235 | 0.03 | PPBV | | 95 |
| 89) | BROMOBENZENE | 17.916 | 77 | 3942 | 0.04 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.565 | 126 | 1257 | 0.03 | PPBV | | 59 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 1200 | 0.02 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 4926 | 0.03 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 4056 | 0.03 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 4381 | 0.03 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 3796 | 0.03 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 3500 | 0.03 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 1089 | 0.03 | PPBV | # | 90 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4328 | 0.03 | PPBV | # | 95 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1184 | 0.02 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.418 | 146 | 3642 | 0.03 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 927 | 0.02 | PPBV | # | 53 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2307 | 0.03 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 3647 | 0.03 | PPBV | | 91 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 13331 | 0.06 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 333430 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1533309 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 804190 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 333430 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985635 | 10.78 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.472 | 119 | 5523 | 0.10 | PPBV | | 97 |
| 3) FREON 152A | 3.552 | 65 | 2440 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.588 | 67 | 1205 | 0.09 | PPBV | | 74 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 5398 | 0.09 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12499 | 0.10 | PPBV | | 99 |
| 7) PROPYLENE | 3.607 | 41 | 3754 | 0.13 | PPBV | | 84 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 13615 | 0.11 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 17687 | 0.12 | PPBV | | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1884 | 0.12 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 5930 | 0.11 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 4083 | 0.11 | PPBV | # | 72 |
| 13) n-BUTANE | 4.072 | 43 | 9842 | 0.15 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 8281 | 0.15 | PPBV | | 91 |
| 15) CHLOROETHANE | 4.365 | 64 | 2881 | 0.12 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 14568 | 0.12 | PPBV | | 97 |
| 17) ACETONITRILE | 4.647 | 41 | 4678 | 0.12 | PPBV | # | 65 |
| 18) ACROLEIN | 4.739 | 56 | 2049 | 0.11 | PPBV | # | 1 |
| 19) FREON 123 | 4.739 | 83 | 14828 | 0.12 | PPBV | | 96 |
| 20) FREON 123A | 4.788 | 117 | 7831 | 0.12 | PPBV | | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 11923 | 0.11 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.093 | 45 | 9920 | 0.14 | PPBV | | 92 |
| 24) PENTANE | 5.240 | 42 | 3946 | 0.11 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 9585 | 0.10 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 3785 | 0.11 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.858 | 76 | 10145 | 0.10 | PPBV | | 92 |
| 29) BROMOETHENE | 4.622 | 106 | 5236 | 0.10 | PPBV | | 91 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 3905 | 0.11 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.705 | 76 | 1660 | 0.10 | PPBV | # | 52 |
| 33) FREON 113 | 5.828 | 151 | 6007 | 0.10 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 4040 | 0.11 | PPBV | | 81 |
| 35) TERTIARY BUTYL ALCOHOL | 5.650 | 59 | 6051 | 0.08 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 6.794 | 73 | 8939 | 0.09 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.366 | 72 | 939 | 0.06 | PPBV | # | 61 |
| 38) HEXANE | 7.712 | 57 | 4501 | 0.08 | PPBV | | 85 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 7146 | 0.10 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.155 | 72 | 815 | 0.05 | PPBV | # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 4154 | 0.10 | PPBV | | 84 |
| 43) DIISOPROPYL ETHER | 7.779 | 59 | 1194 | 0.07 | PPBV | # | 60 |
| 44) ETHYL ACETATE | 7.834 | 61 | 535 | 0.04 | PPBV | # | 38 |
| 46) CHLOROFORM | 7.810 | 83 | 8944 | 0.10 | PPBV | | 91 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5058 | 0.08 | PPBV | | 87 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 9054 | 0.10 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8961 | 0.09 | PPBV | | 97 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 5541 | 0.09 | PPBV | | 96 |
| 52) BENZENE | 9.400 | 78 | 10879 | 0.09 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.706 | 84 | 3668 | 0.08 | PPBV | | 94 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 1964 | 0.08 | PPBV | # | 73 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

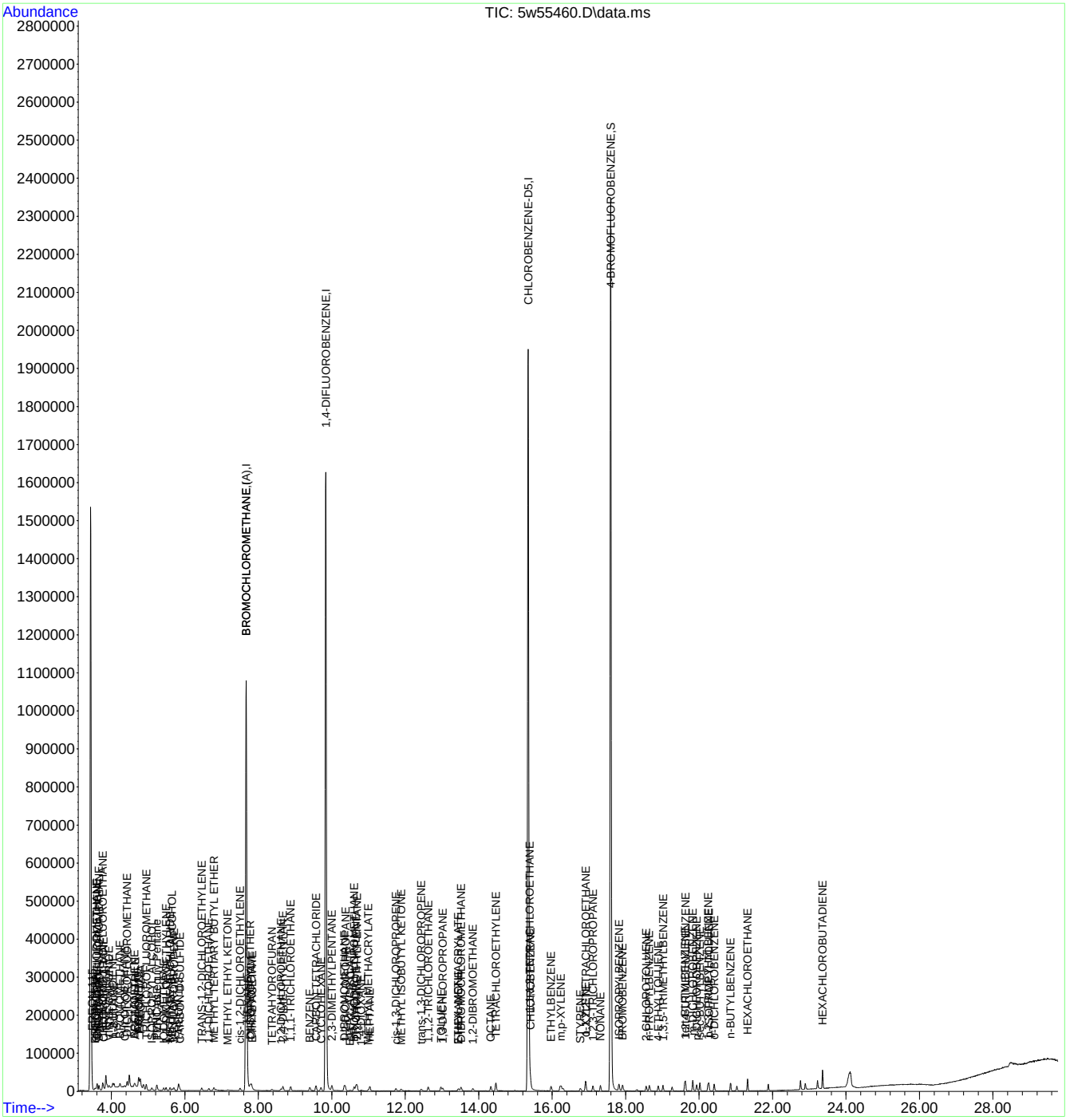
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 55) TRICHLOROETHYLENE | 10.654 | 95 | 5207 | 0.09 | PPBV | | 94 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 4453 | 0.09 | PPBV | | 93 |
| 57) DIBROMOMETHANE | 10.342 | 174 | 5531 | 0.10 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 10.495 | 55 | 4814 | 0.06 | PPBV | # | 73 |
| 59) BROMODICHLOROMETHANE | 10.605 | 83 | 8911 | 0.08 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 14978 | 0.08 | PPBV | | 94 |
| 61) 1,4-DIOXANE | 10.801 | 88 | 2000 | 0.07 | PPBV | # | 1 |
| 62) HEPTANE | 11.034 | 43 | 5175 | 0.08 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.991 | 69 | 2482 | 0.06 | PPBV | # | 65 |
| 64) METHYL ISOBUTYL KETONE | 11.890 | 58 | 1969 | 0.06 | PPBV | # | 71 |
| 65) cis-1,3-DICHLOROPROPENE | 11.743 | 75 | 5623 | 0.07 | PPBV | | 92 |
| 66) TOLUENE | 12.973 | 92 | 6560 | 0.08 | PPBV | | 97 |
| 67) 1,3-DICHLOROPROPANE | 13.022 | 76 | 6020 | 0.08 | PPBV | # | 91 |
| 68) trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 4364 | 0.06 | PPBV | | 84 |
| 69) 1,1,2-TRICHLOROETHANE | 12.624 | 83 | 4269 | 0.09 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.450 | 58 | 1982 | 0.04 | PPBV | # | 42 |
| 72) ETHYL METHACRYLATE | 13.432 | 69 | 3502 | 0.05 | PPBV | # | 90 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 5984 | 0.11 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.517 | 129 | 7109 | 0.07 | PPBV | | 95 |
| 75) 1,2-DIBROMOETHANE | 13.836 | 107 | 7065 | 0.09 | PPBV | # | 99 |
| 76) OCTANE | 14.325 | 43 | 6427 | 0.08 | PPBV | | 92 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 6008 | 0.10 | PPBV | | 94 |
| 78) CHLOROBENZENE | 15.408 | 112 | 11162 | 0.10 | PPBV | # | 48 |
| 79) ETHYLBENZENE | 15.965 | 91 | 14102 | 0.08 | PPBV | | 95 |
| 80) m,p-XYLENE | 16.234 | 106 | 9481 | 0.14 | PPBV | | 99 |
| 81) o-XYLENE | 16.907 | 106 | 4760 | 0.07 | PPBV | | 90 |
| 82) STYRENE | 16.766 | 104 | 6206 | 0.06 | PPBV | | 94 |
| 83) NONANE | 17.310 | 43 | 6297 | 0.07 | PPBV | # | 91 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 11296 | 0.09 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 8353 | 0.10 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.818 | 105 | 15817 | 0.08 | PPBV | | 98 |
| 89) BROMOBENZENE | 17.916 | 77 | 9455 | 0.09 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 3541 | 0.07 | PPBV | | 88 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 3339 | 0.07 | PPBV | | 94 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 13159 | 0.07 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 11418 | 0.07 | PPBV | | 95 |
| 95) tert-BUTYLBENZENE | 19.617 | 134 | 2169 | 0.06 | PPBV | # | 89 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 10880 | 0.06 | PPBV | | 95 |
| 97) m-DICHLOROBENZENE | 19.825 | 146 | 9479 | 0.08 | PPBV | | 98 |
| 99) p-DICHLOROBENZENE | 19.935 | 146 | 9928 | 0.09 | PPBV | | 98 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 2915 | 0.07 | PPBV | | 92 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 11857 | 0.07 | PPBV | # | 97 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 3311 | 0.07 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.412 | 146 | 9802 | 0.09 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 2781 | 0.06 | PPBV | # | 75 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 6060 | 0.07 | PPBV | | 96 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 8613 | 0.08 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 32564 | 0.14 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 334972 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1532765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 812540 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 334972 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 990143 | 10.72 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 9311 | 0.17 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 5104 | 0.20 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2636 | 0.19 | PPBV | | 89 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 11548 | 0.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 25208 | 0.20 | PPBV | | 98 |
| 7) PROPYLENE | 3.601 | 41 | 6295 | 0.22 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 27839 | 0.22 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 35981 | 0.24 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 3787 | 0.24 | PPBV | # | 76 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 12507 | 0.23 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 8476 | 0.24 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 17914 | 0.27 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 13070 | 0.24 | PPBV | | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 5838 | 0.24 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 28789 | 0.24 | PPBV | | 99 |
| 17) ACETONITRILE | 4.641 | 41 | 10098 | 0.26 | PPBV | # | 79 |
| 18) ACROLEIN | 4.732 | 56 | 3711 | 0.20 | PPBV | # | 16 |
| 19) FREON 123 | 4.739 | 83 | 29093 | 0.24 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 16016 | 0.24 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 24059 | 0.21 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.087 | 45 | 17230 | 0.24 | PPBV | | 79 |
| 23) ACETONE | 4.861 | 58 | 9631 | 0.44 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 7781 | 0.22 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 19206 | 0.19 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 7466 | 0.21 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 21129 | 0.20 | PPBV | | 96 |
| 29) BROMOETHENE | 4.616 | 106 | 11097 | 0.22 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.222 | 52 | 13028 | 0.58 | PPBV | | 95 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 7591 | 0.22 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 3438 | 0.20 | PPBV | # | 65 |
| 33) FREON 113 | 5.821 | 151 | 11480 | 0.19 | PPBV | | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 7568 | 0.20 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.638 | 59 | 12091 | 0.16 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.776 | 73 | 17880 | 0.17 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.342 | 72 | 2081 | 0.12 | PPBV | # | 61 |
| 38) HEXANE | 7.706 | 57 | 9519 | 0.17 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.843 | 86 | 448 | 0.07 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 14588 | 0.20 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.137 | 72 | 2221 | 0.13 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 7416 | 0.19 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.767 | 59 | 2706 | 0.16 | PPBV | # | 82 |
| 44) ETHYL ACETATE | 7.810 | 61 | 1722 | 0.14 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.797 | 55 | 9313m | 0.13 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 18397 | 0.21 | PPBV | | 92 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 11164 | 0.17 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 17633 | 0.20 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 18453 | 0.19 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 12009 | 0.20 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 21730 | 0.19 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 7528 | 0.16 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4203 | 0.17 | PPBV | # | 84 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 10750 | 0.18 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 9173 | 0.19 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 11081 | 0.21 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.477 | 55 | 10722 | 0.12 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 18157 | 0.17 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 30352 | 0.16 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.777 | 88 | 4553 | 0.16 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 10843 | 0.17 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.985 | 69 | 5874 | 0.14 | PPBV | | 88 |
| 64) | METHYL ISOBUTYL KETONE | 11.872 | 58 | 4610 | 0.13 | PPBV | # | 75 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 12276 | 0.15 | PPBV | | 93 |
| 66) | TOLUENE | 12.967 | 92 | 13467 | 0.16 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 12399 | 0.17 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 10502 | 0.14 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 9074 | 0.19 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.426 | 58 | 5591 | 0.12 | PPBV | # | 68 |
| 72) | ETHYL METHACRYLATE | 13.426 | 69 | 7979 | 0.12 | PPBV | | 92 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 11793 | 0.22 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 14897 | 0.15 | PPBV | | 98 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 14712 | 0.18 | PPBV | # | 97 |
| 76) | OCTANE | 14.331 | 43 | 13225 | 0.16 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 12320 | 0.19 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 22541 | 0.21 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 29130 | 0.17 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.240 | 106 | 19915 | 0.30 | PPBV | | 97 |
| 81) | o-XYLENE | 16.907 | 106 | 9697 | 0.15 | PPBV | | 95 |
| 82) | STYRENE | 16.760 | 104 | 13243 | 0.14 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 13708 | 0.16 | PPBV | | 97 |
| 84) | BROMOFORM | 16.295 | 173 | 8706 | 0.09 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 24040 | 0.20 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.102 | 75 | 17778 | 0.21 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 32811 | 0.17 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 19537 | 0.19 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 7829 | 0.16 | PPBV | | 94 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 7841 | 0.15 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 27822 | 0.15 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 24334 | 0.15 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 9644 | 0.12 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 4755 | 0.14 | PPBV | | 90 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 25504 | 0.15 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 21451 | 0.17 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 23238 | 0.13 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 21116 | 0.18 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 6501 | 0.16 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 25578 | 0.15 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 7256 | 0.15 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 20937 | 0.19 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 6435 | 0.14 | PPBV | # | 88 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 12703 | 0.15 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 17057 | 0.16 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 16218 | 0.16 | PPBV | | 98 |
| 108) | NAPHTHALENE | 22.890 | 128 | 33921 | 0.14 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 75387 | 0.32 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

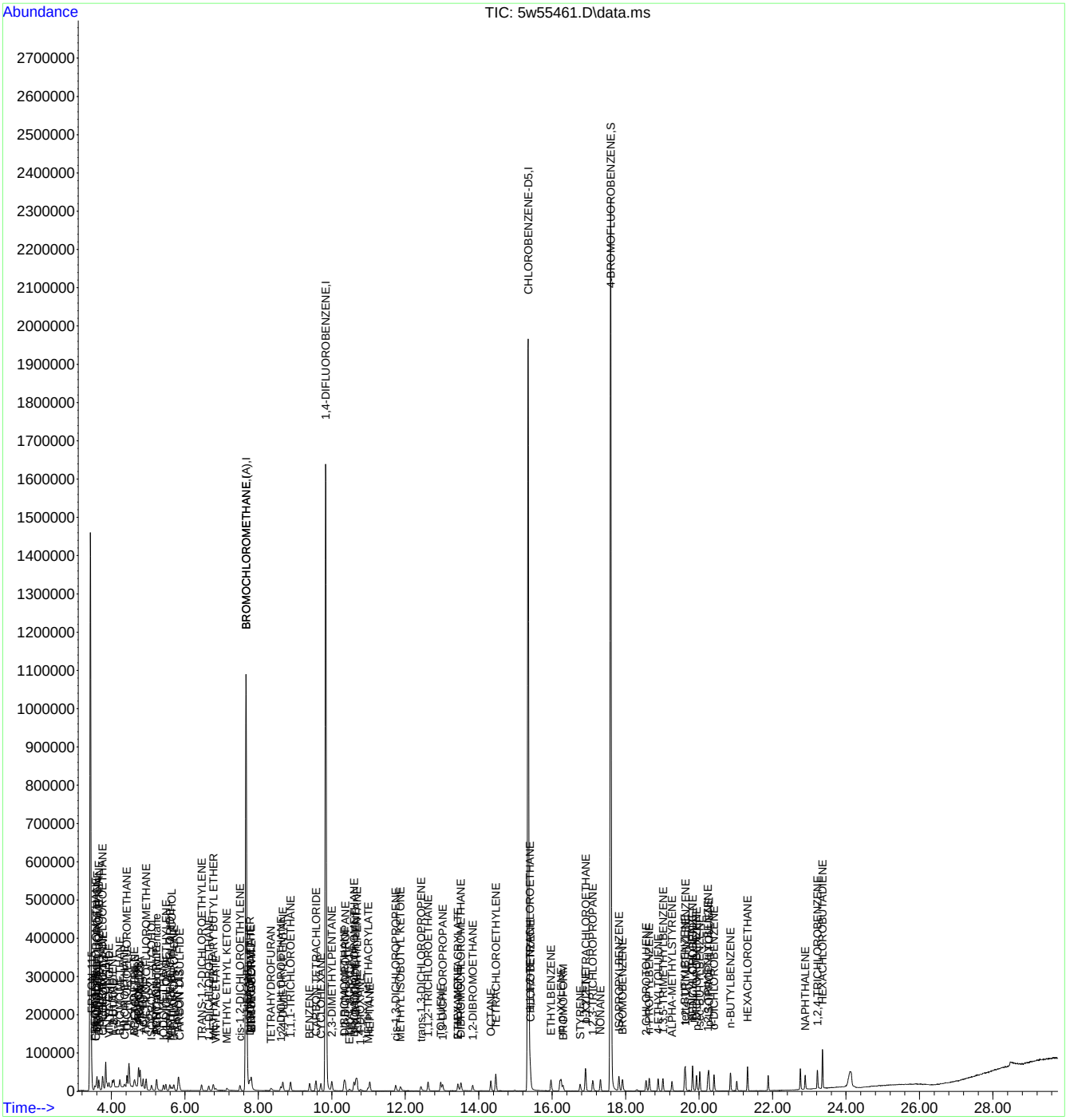
7.7.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

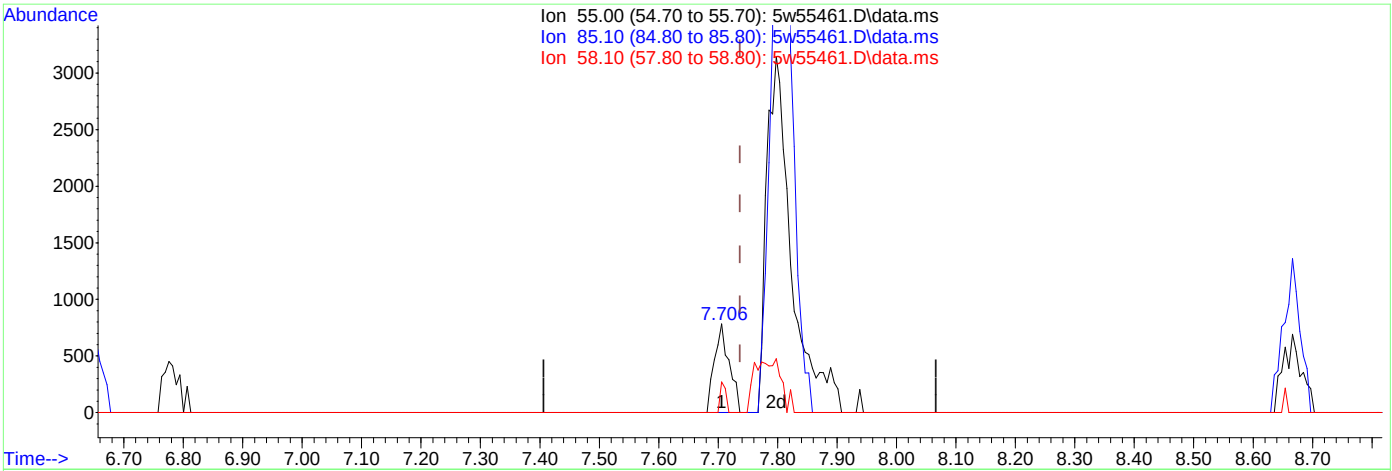
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

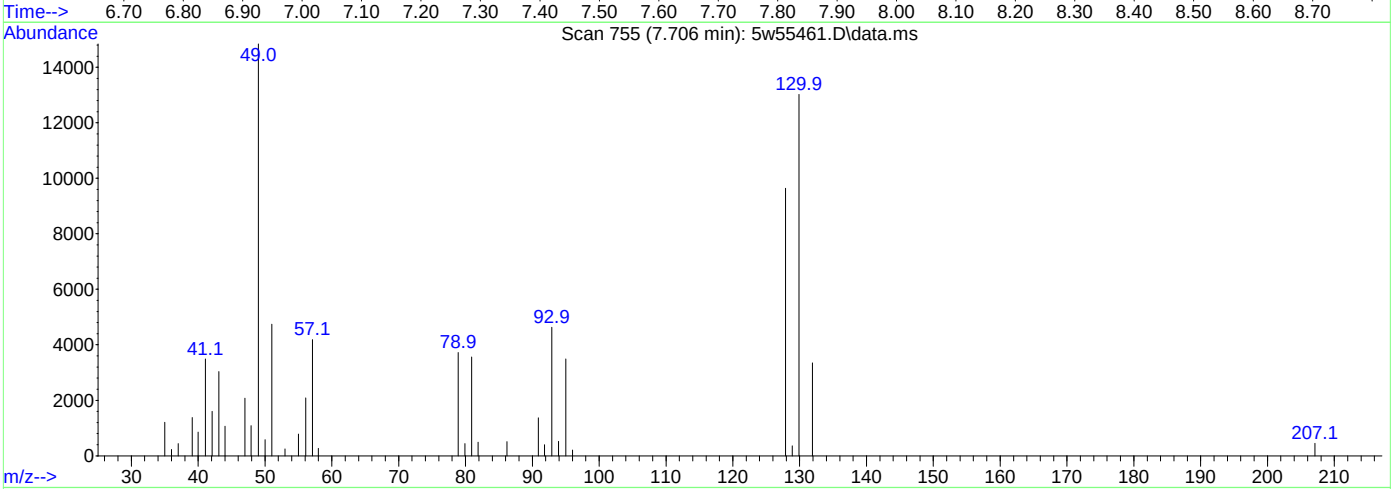


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

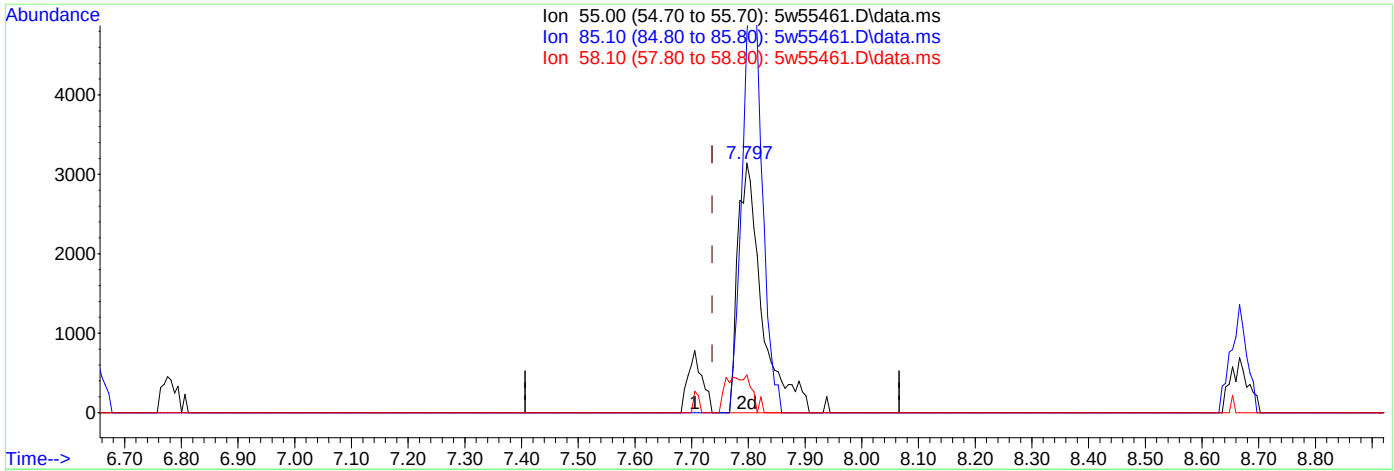
response 1349

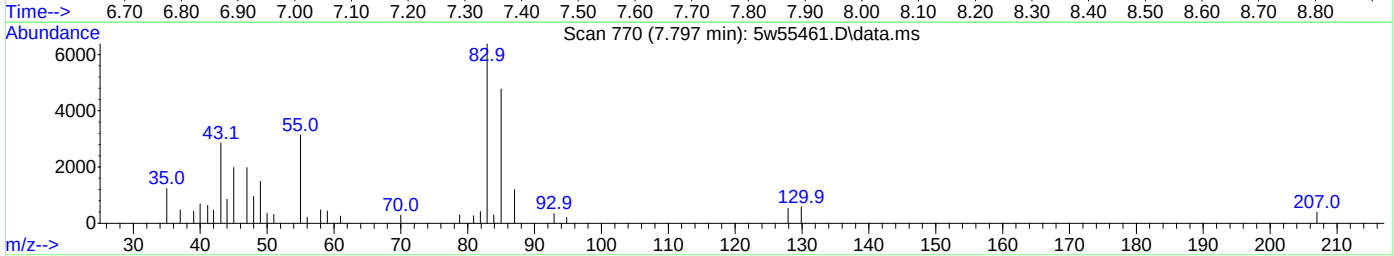
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 13.19 |
| 0.00 | 0.00 | 0.00 |

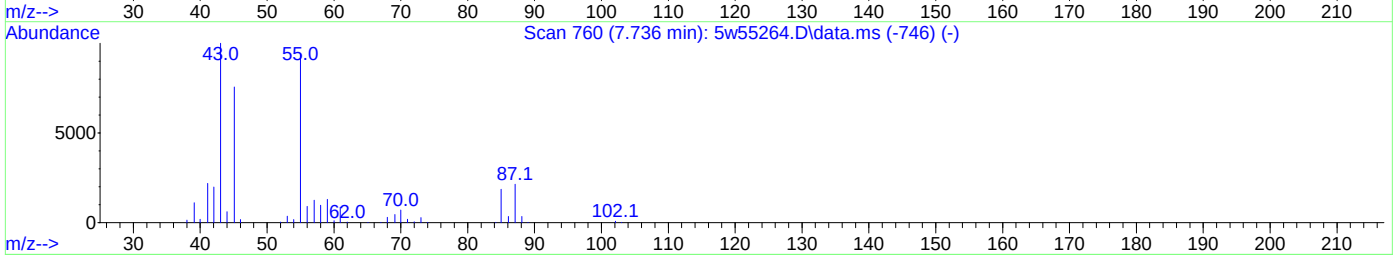
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 330769 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1512302 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 803446 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 330769 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985952 | 10.80 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 29319 | 0.53 | PPBV | | 99 |
| 3) FREON 152A | 3.546 | 65 | 13383 | 0.53 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6908 | 0.51 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 29810 | 0.52 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 67318 | 0.54 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 16353 | 0.57 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 72198 | 0.58 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 94289 | 0.63 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 9386 | 0.61 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 32272 | 0.60 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 22258 | 0.63 | PPBV | | 92 |
| 13) n-BUTANE | 4.066 | 43 | 46066 | 0.70 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 34352 | 0.64 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 15312 | 0.64 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 75373 | 0.64 | PPBV | | 99 |
| 17) ACETONITRILE | 4.635 | 41 | 25964 | 0.67 | PPBV | # | 91 |
| 18) ACROLEIN | 4.733 | 56 | 11639 | 0.65 | PPBV | # | 70 |
| 19) FREON 123 | 4.733 | 83 | 77441 | 0.64 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 41439 | 0.64 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 65623 | 0.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 39268 | 0.56 | PPBV | | 91 |
| 23) ACETONE | 4.855 | 58 | 15107 | 0.70 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 20184 | 0.57 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 52352 | 0.54 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 19140 | 0.54 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 57576 | 0.55 | PPBV | | 94 |
| 28) ETHANOL | 4.476 | 45 | 20172 | 0.78 | PPBV | | 95 |
| 29) BROMOETHENE | 4.622 | 106 | 29626 | 0.59 | PPBV | | 94 |
| 30) ACRYLONITRILE | 5.216 | 52 | 13527 | 0.61 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 20169 | 0.60 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 8647 | 0.50 | PPBV | | 89 |
| 33) FREON 113 | 5.821 | 151 | 32099 | 0.55 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 20028 | 0.53 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 35107 | 0.47 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.757 | 73 | 52017 | 0.51 | PPBV | | 94 |
| 37) TETRAHYDROFURAN | 8.311 | 72 | 7703 | 0.46 | PPBV | | 95 |
| 38) HEXANE | 7.706 | 57 | 28766 | 0.51 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.831 | 86 | 2531 | 0.38 | PPBV | # | 75 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 39839 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 7562 | 0.44 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 20793 | 0.53 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.755 | 59 | 8150 | 0.47 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.791 | 61 | 5941 | 0.48 | PPBV | # | 72 |
| 45) METHYL ACRYLATE | 7.773 | 55 | 30367m | 0.44 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 51722 | 0.59 | PPBV | | 93 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 31054 | 0.49 | PPBV | | 91 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 49711 | 0.56 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 51155 | 0.54 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 32790 | 0.56 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 61342 | 0.54 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 22074 | 0.49 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 12638 | 0.53 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 29925 | 0.51 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 24473 | 0.52 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 25731 | 0.49 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 10.459 | 55 | 34390 | 0.41 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 54534 | 0.51 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 91844 | 0.50 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.752 | 88 | 11768 | 0.42 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 32330 | 0.51 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 18848 | 0.46 | PPBV | | 83 |
| 64) METHYL ISOBUTYL KETONE | 11.847 | 58 | 14953 | 0.43 | PPBV | | 90 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 36246 | 0.46 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 37107 | 0.44 | PPBV | | 94 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 36900 | 0.51 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.422 | 75 | 30719 | 0.41 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 25850 | 0.54 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.414 | 58 | 18867 | 0.40 | PPBV | | 81 |
| 72) ETHYL METHACRYLATE | 13.420 | 69 | 27662 | 0.41 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 29587 | 0.56 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 49591 | 0.50 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 43159 | 0.55 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 39430 | 0.47 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 33689 | 0.53 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 61057 | 0.57 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.965 | 91 | 85402 | 0.50 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 62887 | 0.96 | PPBV | | 97 |
| 81) o-XYLENE | 16.901 | 106 | 31745 | 0.50 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 41244 | 0.43 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 44116 | 0.51 | PPBV | | 99 |
| 84) BROMOFORM | 16.289 | 173 | 46583 | 0.47 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 65656 | 0.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 47874 | 0.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 96512 | 0.51 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 54823 | 0.55 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 22897 | 0.47 | PPBV | | 98 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 24216 | 0.48 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 90895 | 0.48 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 80703 | 0.51 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 33242 | 0.41 | PPBV | | 98 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 15702 | 0.47 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 84521 | 0.49 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 62123 | 0.50 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 70482 | 0.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 63407 | 0.55 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 20901 | 0.52 | PPBV | | 93 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 81958 | 0.48 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 24822 | 0.52 | PPBV | | 99 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 59304 | 0.54 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 20380 | 0.44 | PPBV | # | 85 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 42179 | 0.51 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 47455 | 0.44 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 41162 | 0.42 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.890 | 128 | 92472 | 0.40 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 140261 | 0.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

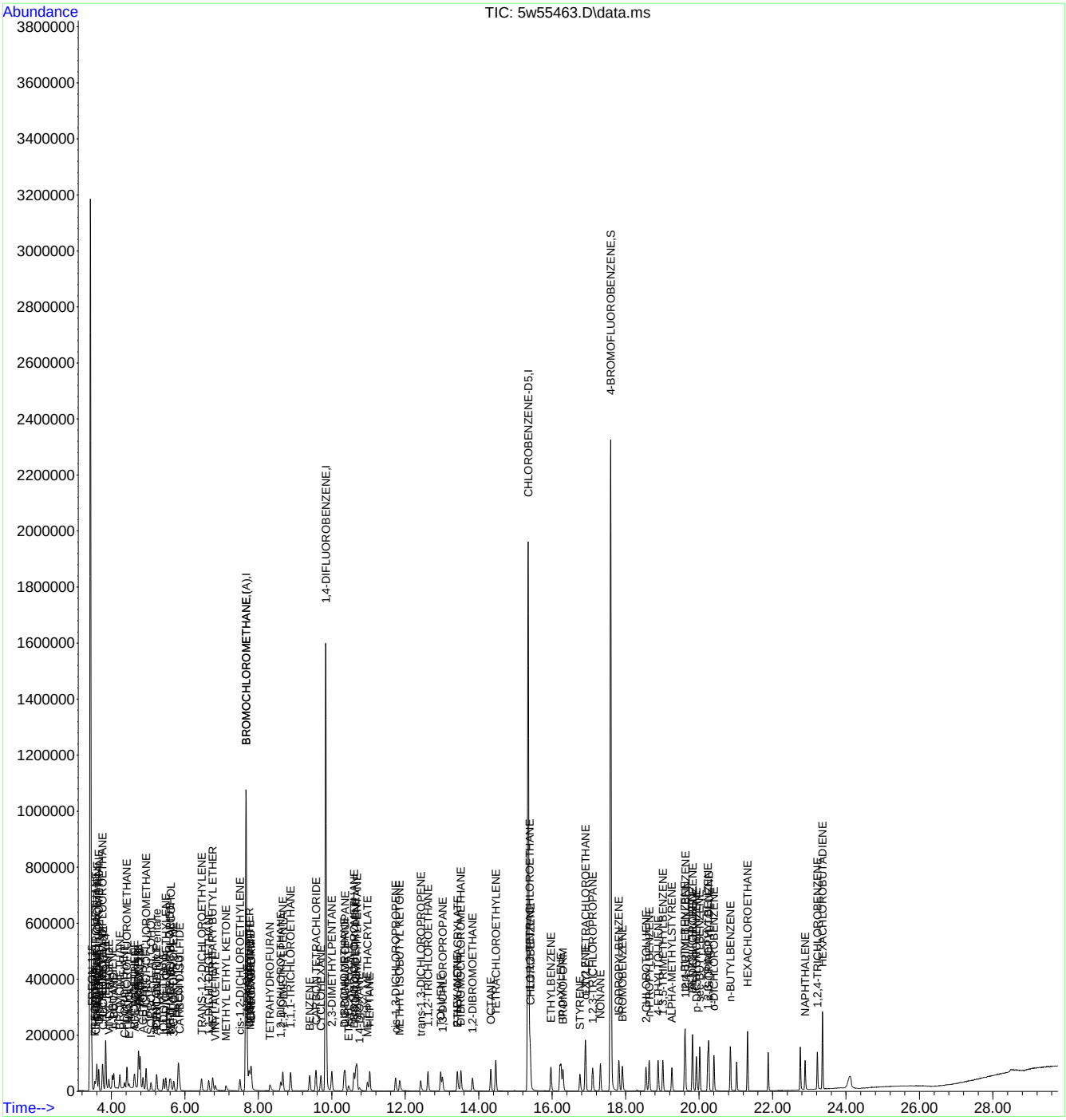
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

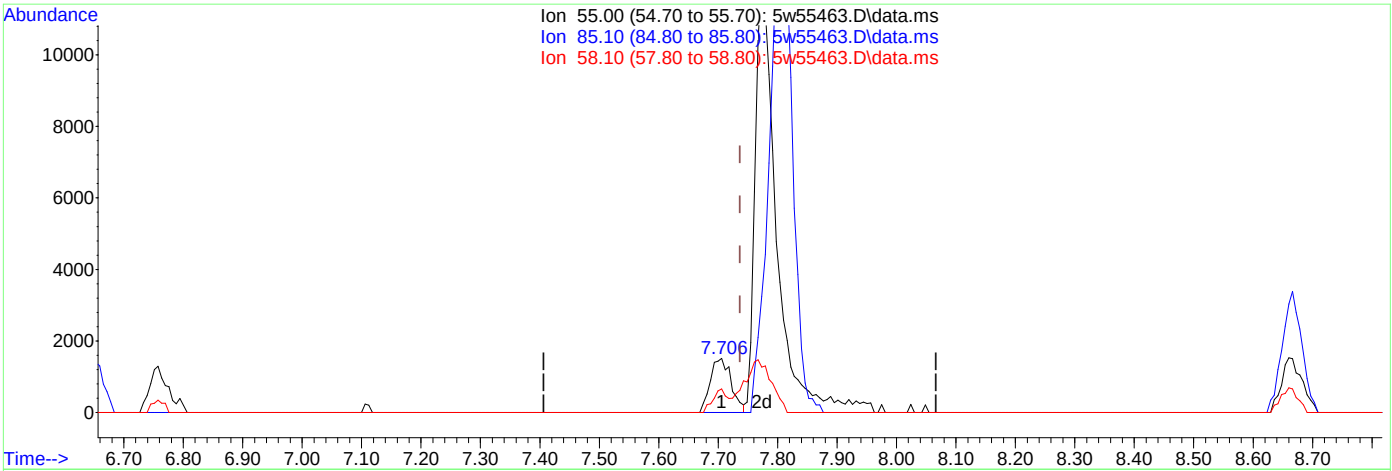
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

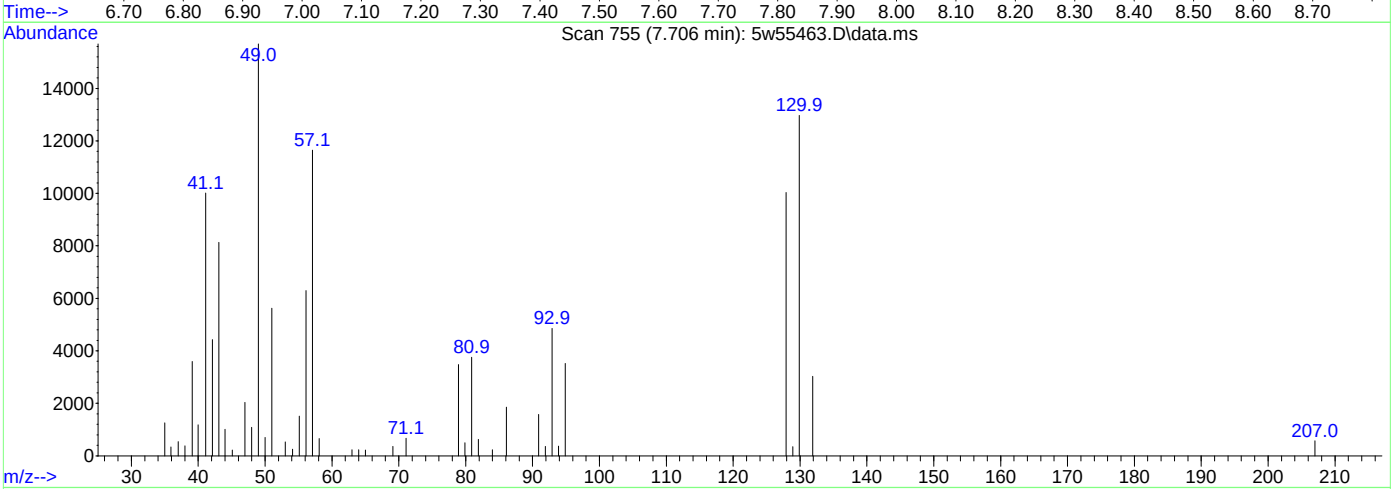


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

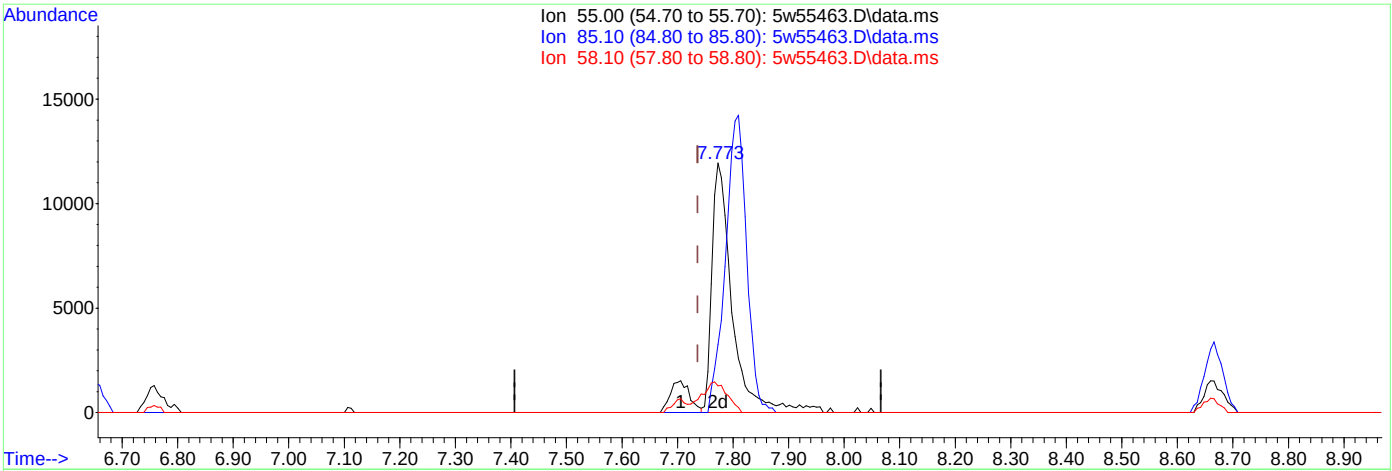
response 3694

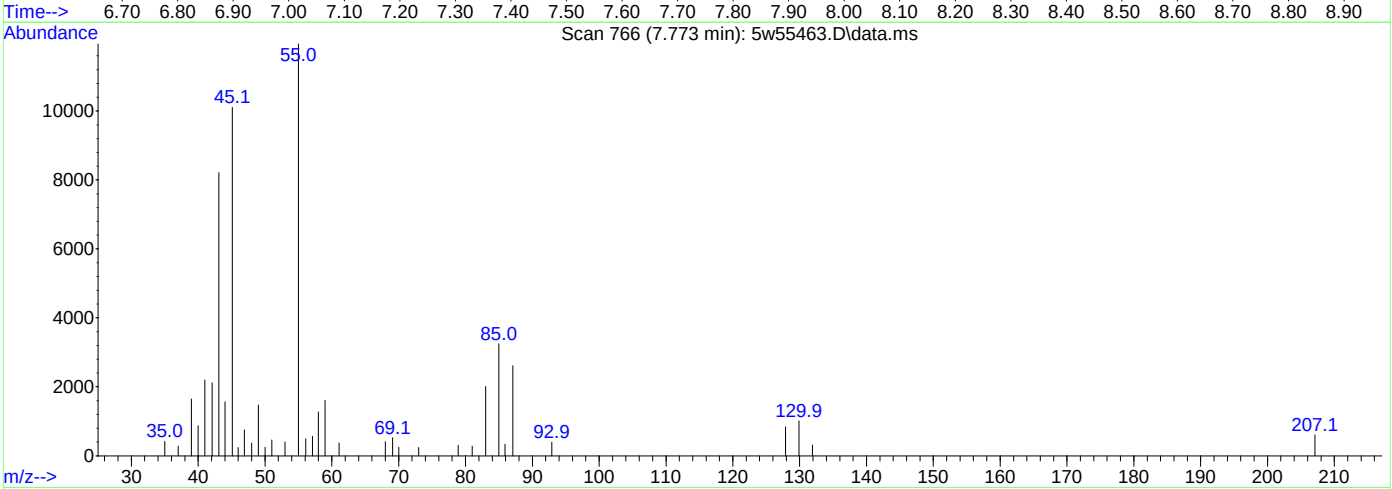
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 33.73# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 4.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 327920 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1483978 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 823417 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 327920 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 995950 | 10.64 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 112593 | 2.06 | PPBV | | 98 |
| 3) FREON 152A | 3.546 | 65 | 138374 | 5.57 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 71231 | 5.35 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 305049 | 5.34 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 679721 | 5.49 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 160514 | 5.68 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 719596 | 5.85 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 918552 | 6.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 89496 | 5.90 | PPBV | # | 71 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 318611 | 5.93 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 216237 | 6.19 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 413584 | 6.32 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 319635 | 5.98 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 140980 | 5.93 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 720353 | 6.14 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 231715 | 6.04 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 103691 | 5.80 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 730677 | 6.12 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 396421 | 6.14 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 629552 | 5.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 341979 | 4.90 | PPBV | | 96 |
| 23) ACETONE | 4.830 | 58 | 136235 | 6.39 | PPBV | | 97 |
| 24) PENTANE | 5.228 | 42 | 201069 | 5.72 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 526543 | 5.43 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 189977 | 5.42 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 580467 | 5.55 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 137349 | 5.34 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 289326 | 5.82 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 145480 | 6.60 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 187716 | 5.61 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 89978 | 5.26 | PPBV | | 97 |
| 33) FREON 113 | 5.822 | 151 | 310417 | 5.35 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 194904 | 5.24 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 337505 | 4.54 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 543685 | 5.34 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.256 | 72 | 86439 | 5.17 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 308459 | 5.52 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 34745 | 5.27 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 386526 | 5.53 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.063 | 72 | 91801 | 5.38 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 208218 | 5.31 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 92706 | 5.43 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.761 | 61 | 65000 | 5.24 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 368255 | 5.42 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 482374 | 5.58 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 341067 | 5.46 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 479650 | 5.48 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 513289 | 5.43 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 319305 | 5.50 | PPBV | | 99 |
| 52) | BENZENE | 9.400 | 78 | 616501 | 5.51 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 238638 | 5.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 125899 | 5.37 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 298892 | 5.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 245875 | 5.34 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 261552 | 5.04 | PPBV | | 97 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 425993 | 5.12 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 540223 | 5.18 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 973540 | 5.44 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.685 | 88 | 122741 | 4.50 | PPBV | # | 1 |
| 62) | HEPTANE | 11.028 | 43 | 344774 | 5.60 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 214720 | 5.32 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.799 | 58 | 181412 | 5.28 | PPBV | | 100 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 402547 | 5.22 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 422478 | 5.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 379761 | 5.34 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 358104 | 4.84 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 249437 | 5.34 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.371 | 58 | 255379 | 5.25 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 365412 | 5.22 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 302043 | 5.57 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 540159 | 5.27 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 450832 | 5.58 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 480408 | 5.59 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 351959 | 5.45 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 608780 | 5.52 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 974334 | 5.59 | PPBV | | 100 |
| 80) | m,p-XYLENE | 16.234 | 106 | 735362 | 10.95 | PPBV | | 98 |
| 81) | o-XYLENE | 16.901 | 106 | 369565 | 5.63 | PPBV | | 99 |
| 82) | STYRENE | 16.748 | 104 | 552274 | 5.56 | PPBV | | 99 |
| 83) | NONANE | 17.311 | 43 | 513330 | 5.74 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 529096 | 5.17 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 682433 | 5.57 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 482523 | 5.57 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1073018 | 5.53 | PPBV | | 100 |
| 89) | BROMOBENZENE | 17.904 | 77 | 566636 | 5.50 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 264838 | 5.36 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 284766 | 5.48 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1089019 | 5.65 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 921119 | 5.67 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 437586 | 5.24 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 191242 | 5.58 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 990160 | 5.65 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 668502 | 5.25 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 906932 | 5.04 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 664978 | 5.67 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 236216 | 5.70 | PPBV | | 96 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 964327 | 5.56 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 276086 | 5.66 | PPBV | | 100 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 622668 | 5.58 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 258808 | 5.51 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 467063 | 5.52 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 522385 | 4.72 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 465755 | 4.65 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 1115447 | 4.69 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1399979 | 6.08 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

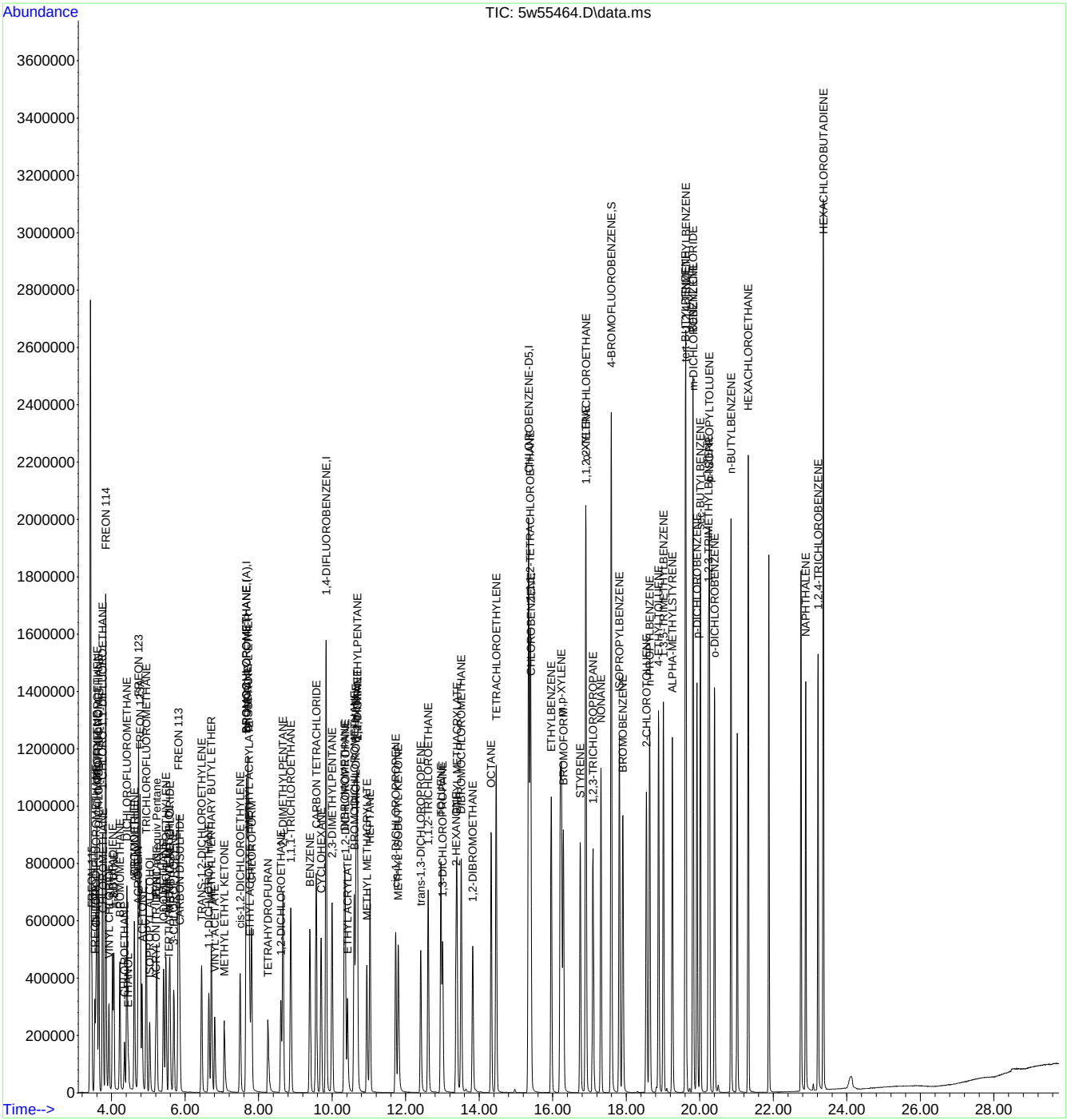
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 339202 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1511260 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 875250 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 339202 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 994958 | 10.00 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 605693 | 10.70 | PPBV | | 100 |
| 3) FREON 152A | 3.546 | 65 | 275104 | 10.70 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146118 | 10.60 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 620588 | 10.50 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1357955 | 10.60 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 318393 | 10.90 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1349681 | 10.60 | PPBV | | 100 |
| 9) FREON 114 | 3.839 | 85 | 1681548 | 11.00 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 163220 | 10.40 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572748 | 10.30 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390556 | 10.80 | PPBV | | 100 |
| 13) n-BUTANE | 4.066 | 43 | 731849 | 10.81 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.231 | 94 | 580880 | 10.50 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 255610 | 10.40 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1285896 | 10.60 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 400956 | 10.10 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 194255 | 10.50 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1310076 | 10.60 | PPBV | | 100 |
| 20) FREON 123A | 4.775 | 117 | 734746 | 11.00 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1219357 | 10.60 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 764798 | 10.60 | PPBV | | 100 |
| 23) ACETONE | 4.824 | 58 | 227018 | 10.30 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 396405 | 10.90 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 1102700 | 11.00 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 387658 | 10.70 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1147721 | 10.60 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 271251 | 10.20 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 544999 | 10.60 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 251010 | 11.01 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 363117 | 10.50 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 185861 | 10.50 | PPBV | | 100 |
| 33) FREON 113 | 5.822 | 151 | 636251 | 10.60 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 404191 | 10.50 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 761817 | 9.90 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 1138359 | 10.80 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 181760 | 10.50 | PPBV | | 100 |
| 38) HEXANE | 7.706 | 57 | 624158 | 10.80 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 70963 | 10.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 773941 | 10.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 190475 | 10.80 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 434152 | 10.70 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190722 | 10.80 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.749 | 61 | 138469 | 10.80 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 759561 | 10.81 | PPBV | | 100 |
| 46) CHLOROFORM | 7.810 | 83 | 965951 | 10.80 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 697723 | 10.80 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 978590 | 10.80 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1055955 | 10.80 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 654982 | 10.90 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1252492 | 11.00 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 494054 | 10.90 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 257829 | 10.80 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 617097 | 10.50 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 491975 | 10.50 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 554921 | 10.50 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 906659 | 10.70 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1114691 | 10.50 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1969454 | 10.80 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 291854 | 10.50 | PPBV | | 100 |
| 62) HEPTANE | 11.028 | 43 | 690296 | 11.00 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 448158 | 10.90 | PPBV | | 100 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 377985 | 10.80 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 840076 | 10.70 | PPBV | | 100 |
| 66) TOLUENE | 12.961 | 92 | 885739 | 10.60 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 767017 | 10.60 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 768015 | 10.20 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 509433 | 10.70 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.365 | 58 | 548403 | 10.60 | PPBV | | 100 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 781201 | 10.50 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 628078 | 10.90 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1144713 | 10.50 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 943815 | 11.00 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 995955 | 10.90 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 741767 | 10.80 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1266085 | 10.80 | PPBV | | 100 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2039775 | 11.00 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 1527990 | 21.40 | PPBV | | 100 |
| 81) o-XYLENE | 16.901 | 106 | 760103 | 10.90 | PPBV | | 100 |
| 82) STYRENE | 16.754 | 104 | 1162167 | 11.00 | PPBV | | 100 |
| 83) NONANE | 17.311 | 43 | 1035723 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 1163343 | 10.70 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1418746 | 10.90 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 975518 | 10.60 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2187498 | 10.60 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.910 | 77 | 1139573 | 10.40 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 541116 | 10.30 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 585017 | 10.60 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 2232548 | 10.90 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1882828 | 10.90 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 922485 | 10.40 | PPBV | | 100 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 400422 | 11.00 | PPBV | | 100 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2047810 | 11.00 | PPBV | | 100 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1407750 | 10.40 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 1990839 | 10.40 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1359653 | 10.90 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 479738 | 10.90 | PPBV | | 100 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1974262 | 10.70 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 559789 | 10.80 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1269083 | 10.70 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 539061 | 10.80 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 988753 | 11.00 | PPBV | | 100 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1271645 | 10.80 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1160909 | 10.90 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 2753803 | 10.90 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 2596090 | 10.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

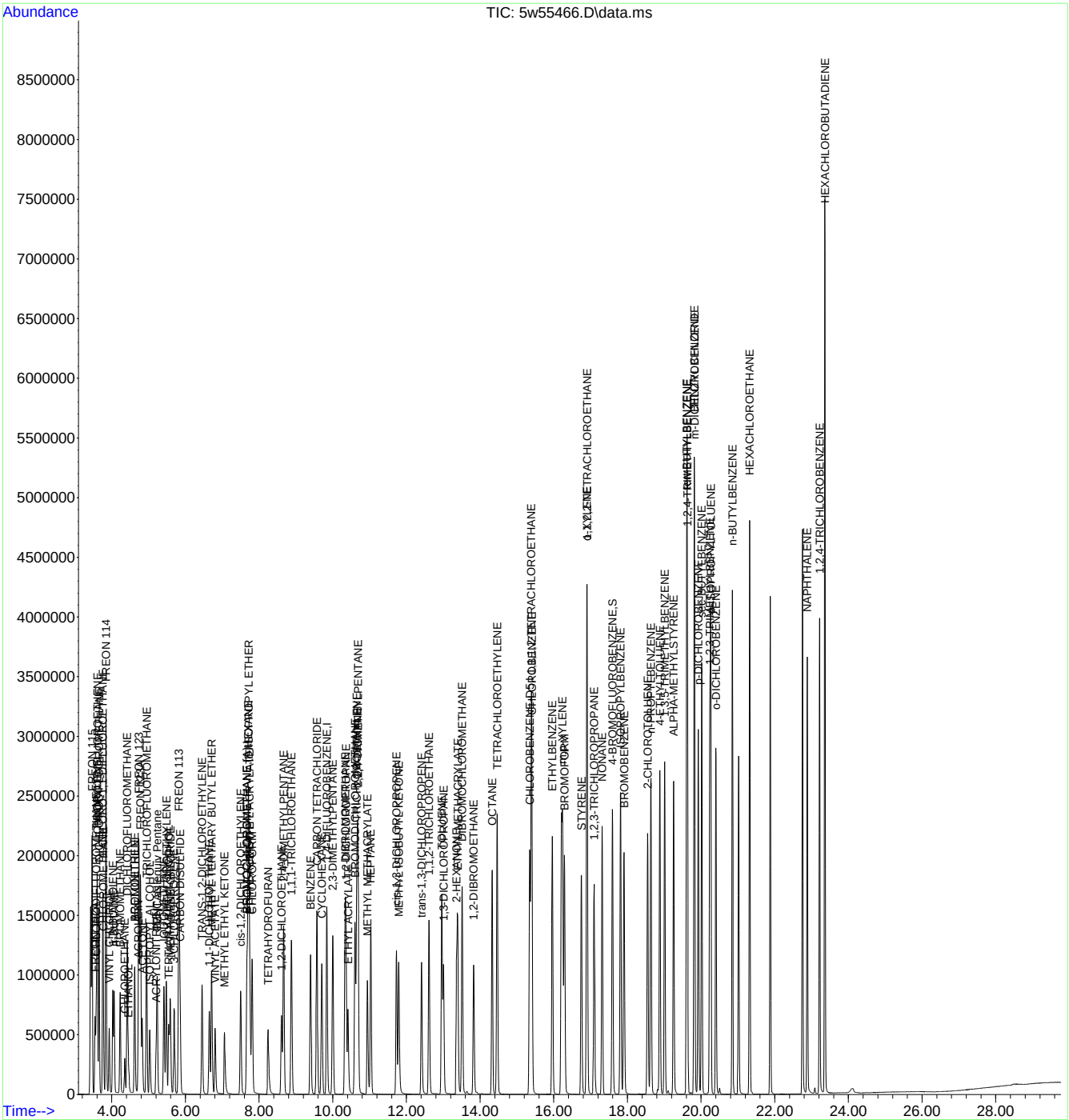
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 342882 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1466721 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 922805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 342882 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 962216 | 8.66 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 86.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 934470 | 19.68 | PPBV | 98 |
| 3) FREON 152A | 3.546 | 65 | 555724 | 22.02 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 300670 | 23.90 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 1281526 | 22.22 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 2693197 | 21.30 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 643425 | 19.46 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 2571204 | 18.91 | PPBV | 100 |
| 9) FREON 114 | 3.839 | 85 | 3131351 | 18.84 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 310103 | 17.98 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 1066972 | 17.42 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 737734 | 17.78 | PPBV | 99 |
| 13) n-BUTANE | 4.066 | 43 | 1358072 | 16.34 | PPBV | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 1092994 | 16.45 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 475231 | 16.78 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 2390761 | 16.93 | PPBV | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 742883 | 15.46 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 362625 | 18.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 2426147 | 17.04 | PPBV | 99 |
| 20) FREON 123A | 4.782 | 117 | 1384065 | 18.79 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 2407405 | 20.30 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1487631 | 18.75 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 409828 | 12.79 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 771291 | 20.37 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 2200301 | 23.28 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 762107 | 20.94 | PPBV | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 2235145 | 21.22 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 502201 | 15.69 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 1034552 | 19.32 | PPBV | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 489577 | 14.31 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 698189 | 18.40 | PPBV | 100 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 362658 | 21.91 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 1282144 | 21.91 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 795699 | 20.82 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 1504766 | 22.16 | PPBV | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 2261702 | 23.80 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 361477 | 26.09 | PPBV | 98 |
| 38) HEXANE | 7.706 | 57 | 1299772 | 25.51 | PPBV | 98 |
| 39) VINYL ACETATE | 6.807 | 86 | 150354 | 28.46 | PPBV | # 94 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 1502107 | 20.85 | PPBV | 100 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 374963 | 27.41 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 852592 | 21.70 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 397171 | 26.25 | PPBV | 96 |
| 44) ETHYL ACETATE | 7.749 | 61 | 275669 | 27.45 | PPBV | # 99 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 1562708 | 25.53 | PPBV | 99 |
| 46) CHLOROFORM | 7.816 | 83 | 1887887 | 21.07 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 1404201 | 24.81 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 1974201 | 22.31 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.572 | 117 | 2157722 | 23.55 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 1304364 | 23.01 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 2480296 | 24.21 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 977006 | 26.51 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 518636 | 25.98 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.655 | 95 | 1261399 | 24.13 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 995547 | 22.86 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 1159519 | 22.34 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1809029 | 28.78 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 2255590 | 24.75 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 3898314 | 25.47 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 596545 | 26.92 | PPBV | # | 34 |
| 62) | HEPTANE | 11.034 | 43 | 1372329 | 25.70 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 886208 | 27.70 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 763728 | 28.95 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 1712055 | 27.85 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 1782618 | 26.48 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 1520252 | 24.75 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 1566263 | 28.62 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 1021706 | 24.00 | PPBV | | 100 |
| 71) | 2-HEXANONE | 13.359 | 58 | 1123497 | 27.97 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 1592458 | 26.68 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 1295487 | 21.06 | PPBV | | 100 |
| 74) | DIBROMOCHLOROMETHANE | 13.512 | 129 | 2360665 | 25.16 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.830 | 107 | 1912584 | 23.66 | PPBV | | 100 |
| 76) | OCTANE | 14.331 | 43 | 2007056 | 25.12 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 1557559 | 23.42 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 2596682 | 21.36 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 4106023 | 24.25 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.240 | 106 | 3148620 | 50.94 | PPBV | | 98 |
| 81) | o-XYLENE | 16.907 | 106 | 1571210 | 26.11 | PPBV | | 99 |
| 82) | STYRENE | 16.754 | 104 | 2380882 | 28.53 | PPBV | | 100 |
| 83) | NONANE | 17.317 | 43 | 2075321 | 24.63 | PPBV | | 100 |
| 84) | BROMOFORM | 16.295 | 173 | 2439049 | 29.26 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 2867748 | 22.16 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1910251 | 20.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 4416866 | 22.71 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 2298802 | 20.38 | PPBV | | 100 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 1104210 | 23.56 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 1183858 | 25.27 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 4498304 | 25.88 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 3785845 | 25.41 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 1903435 | 28.19 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 838658 | 31.61 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 4186232 | 26.94 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 2890142 | 23.15 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 4095162 | 27.40 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 2725460 | 23.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 963244 | 24.93 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4017952 | 25.38 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1146159 | 25.56 | PPBV | | 96 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 2526786 | 21.80 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 1115820 | 28.21 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2036046 | 26.21 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 2757653 | 27.12 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 2474878 | 27.79 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 5516380 | 27.68 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 5095960 | 17.51 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

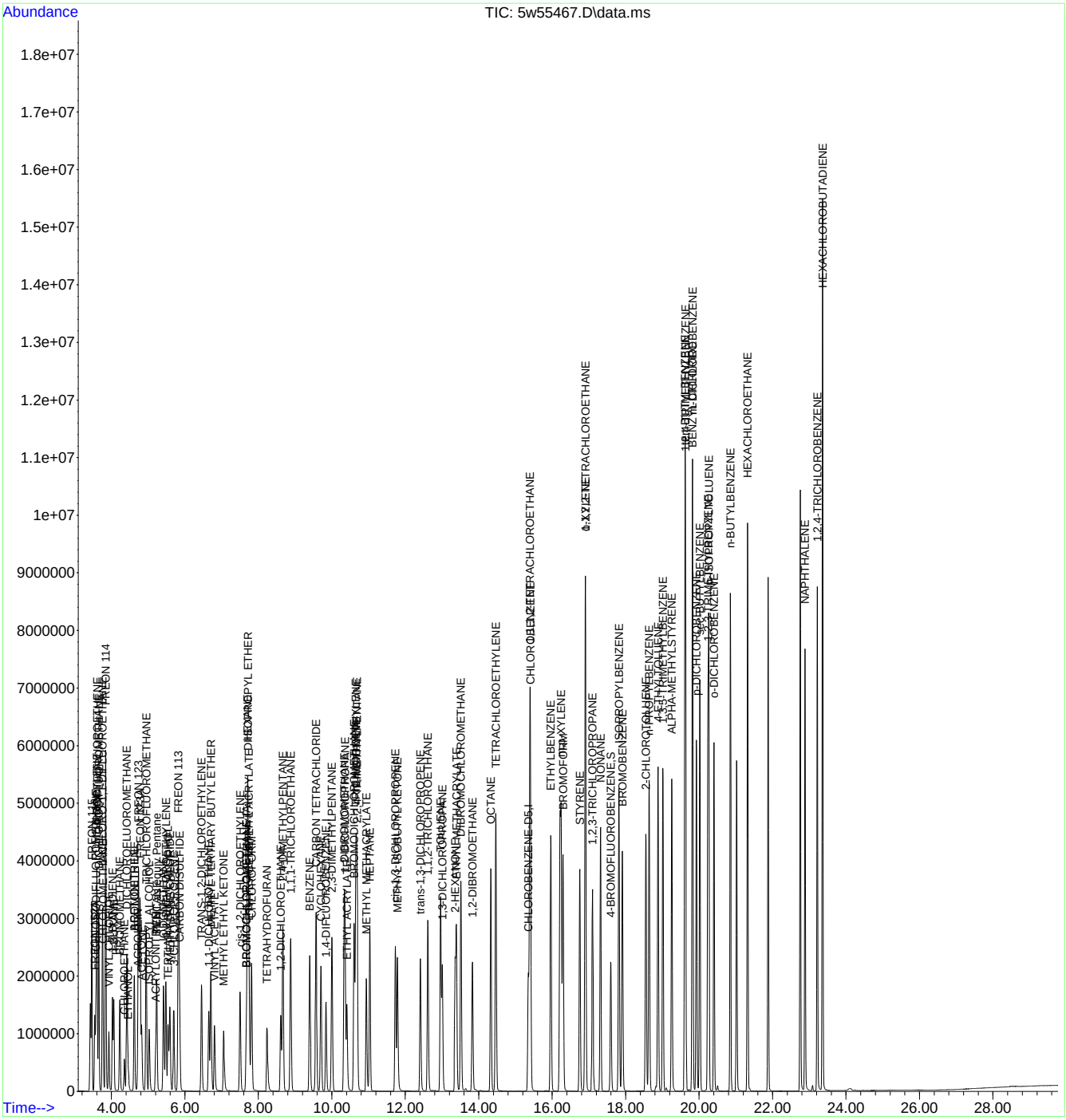
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 341329 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1382725 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1000073 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 341329 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 916347 | 7.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 1110003 | 44.01 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 618926 | 48.54 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 2675087 | 46.21 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 5267335 | 41.82 | PPBV | 98 |
| 7) PROPYLENE | 3.589 | 41 | 1264054 | 39.00 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 4841129 | 36.33 | PPBV | 99 |
| 9) FREON 114 | 3.839 | 85 | 5644224 | 34.83 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.766 | 52 | 586442 | 34.83 | PPBV | 95 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 1976978 | 33.16 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 1352676 | 33.60 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 2400545 | 30.24 | PPBV | 99 |
| 14) BROMOMETHANE | 4.225 | 94 | 2043818 | 32.06 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 871035 | 31.77 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 4291710 | 31.43 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1277797 | 27.81 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 645615 | 33.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 4240053 | 30.77 | PPBV | 98 |
| 20) FREON 123A | 4.775 | 117 | 2547507 | 35.48 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 4713026 | 40.16 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2716413 | 35.07 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 731236 | 24.80 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 1485676 | 39.79 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 4451630 | 46.92 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 1496349 | 41.43 | PPBV | 98 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 4309243 | 41.09 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 853574 | 28.43 | PPBV | 100 |
| 29) BROMOETHENE | 4.616 | 106 | 1928359 | 36.64 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 958150 | 30.25 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1342564 | 36.18 | PPBV | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 697695 | 42.08 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 2636699 | 45.05 | PPBV | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1572877 | 41.40 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 2859765 | 41.60 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 4395819 | 45.80 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 8.226 | 72 | 698114 | 48.66 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 2611399 | 50.18 | PPBV | 95 |
| 39) VINYL ACETATE | 6.806 | 86 | 306105 | 54.21 | PPBV | # 87 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 2896622 | 40.54 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 729314 | 51.25 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 1696626 | 43.29 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 811232 | 52.00 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.749 | 61 | 550445 | 52.69 | PPBV | # 97 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3113267 | 49.30 | PPBV | 98 |
| 46) CHLOROFORM | 7.816 | 83 | 3681330 | 41.42 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2767046 | 48.09 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 3966870 | 44.82 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 4344419 | 47.03 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 2563201 | 45.07 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 4805887 | 49.06 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 1932753 | 53.96 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1034868 | 53.44 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 2594903 | 51.56 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 1968777 | 47.35 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 2452377 | 49.66 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 3514442 | 56.09 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.612 | 83 | 4532566 | 51.44 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 7451774 | 50.35 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 1171033 | 53.54 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 2670311 | 51.81 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 1706636 | 54.15 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 1514817 | 57.65 | PPBV | | 96 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 3416380 | 56.51 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 3622228 | 55.11 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 2997850 | 50.56 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 3139635 | 57.54 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2047204 | 50.14 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2249832 | 49.07 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 3192358 | 47.23 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 2700260 | 40.71 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 4797242 | 45.88 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 3887570 | 43.91 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 3923196 | 44.34 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 3275763 | 44.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 5271880 | 40.07 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 8126299 | 43.65 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.246 | 106 | 6467969 | 94.01 | PPBV | | 92 |
| 81) | o-XYLENE | 16.907 | 106 | 3188562 | 47.55 | PPBV | | 95 |
| 82) | STYRENE | 16.754 | 104 | 4879514 | 51.77 | PPBV | | 99 |
| 83) | NONANE | 17.317 | 43 | 3987420 | 42.86 | PPBV | | 97 |
| 84) | BROMOFORM | 16.301 | 173 | 5078215 | 52.97 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 5613840 | 39.93 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 3751035 | 36.66 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 8798069 | 41.32 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.916 | 77 | 4625514 | 37.94 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 2317722 | 44.71 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 2469115 | 47.34 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 8909475 | 46.07 | PPBV | | 96 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 7582950 | 45.88 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 3974554 | 51.70 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 1750552 | 57.31 | PPBV | # | 88 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 8073536 | 46.45 | PPBV | | 96 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 5812290 | 42.28 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 7865415 | 46.45 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 5572136 | 43.25 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 1985344 | 46.46 | PPBV | # | 80 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 7982379 | 45.32 | PPBV | # | 96 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 2391446 | 47.95 | PPBV | # | 84 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 5204091 | 41.33 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 2355801 | 52.65 | PPBV | # | 78 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 4095368 | 47.35 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 5758391 | 50.41 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 5399109 | 53.83 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.890 | 128 | 10659068 | 47.52 | PPBV | | 95 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 9863883 | 35.04 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

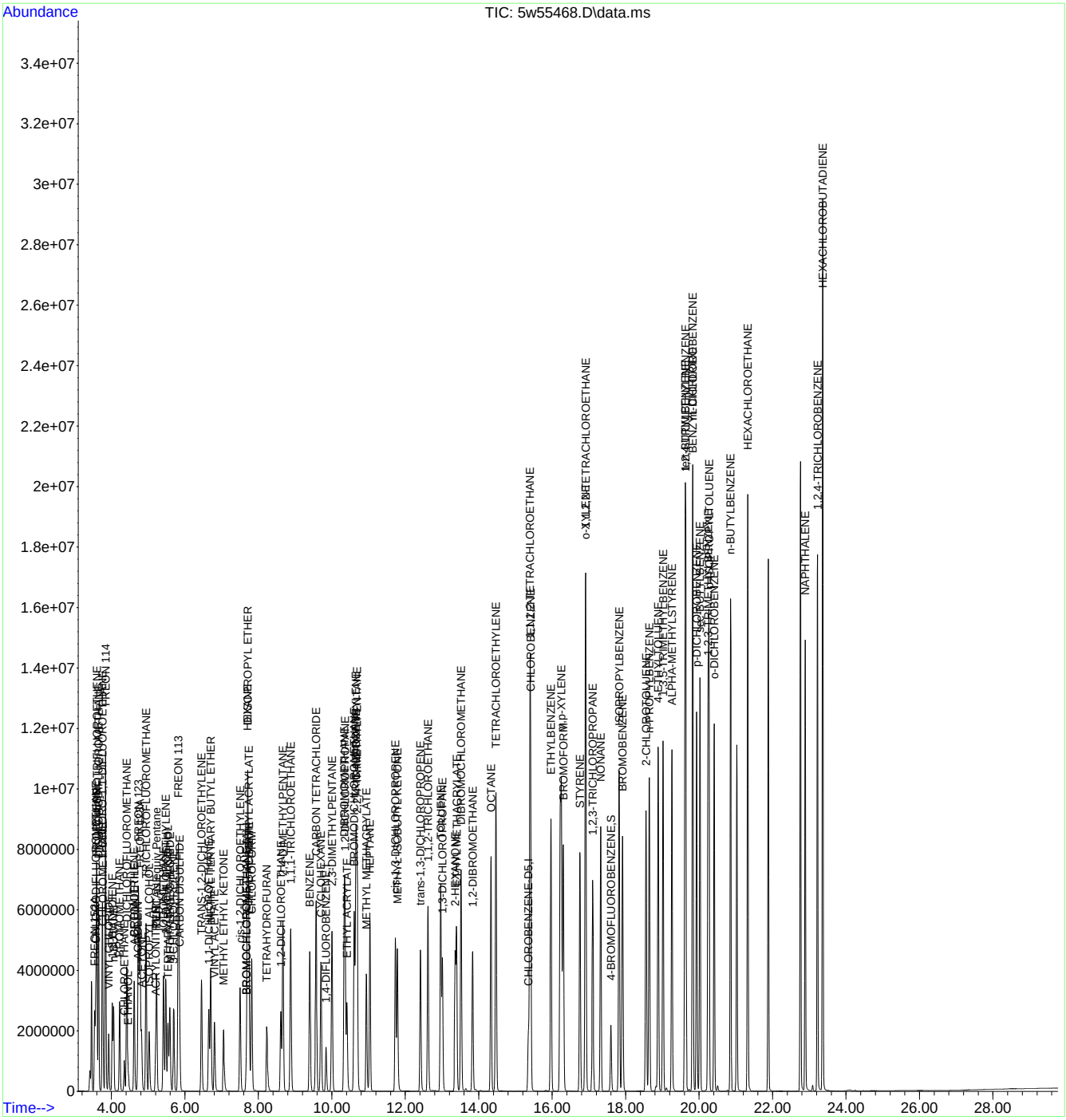
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 363096 | 10.00 | PPBV | | 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1435494 | 10.00 | PPBV | | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1087902 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 363096 | 10.00 | PPBV | # | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 962842 | 7.71 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 1409928 | 52.36 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 788640 | 57.10 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 3518696 | 56.43 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 6578479 | 49.18 | PPBV | | 97 |
| 7) PROPYLENE | 3.601 | 41 | 1558841 | 45.82 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 5783866 | 41.54 | PPBV | | 98 |
| 9) FREON 114 | 3.839 | 85 | 6688154 | 39.83 | PPBV | | 92 |
| 10) CHLOROMETHANE | 3.772 | 52 | 708046 | 40.35 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2437569 | 39.40 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 1667571 | 40.06 | PPBV | | 97 |
| 13) n-BUTANE | 4.066 | 43 | 2956319 | 36.57 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 2585698 | 39.46 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 1112344 | 39.30 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 5325853 | 37.89 | PPBV | | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1590540 | 34.05 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 812347 | 40.31 | PPBV | | 100 |
| 19) FREON 123 | 4.739 | 83 | 5322727 | 37.60 | PPBV | | 97 |
| 20) FREON 123A | 4.782 | 117 | 3262064 | 43.77 | PPBV | | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 5912238 | 47.68 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3130594 | 38.96 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 1801214 | 45.85 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 5859104 | 57.57 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 1920392 | 50.18 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 5333899 | 48.00 | PPBV | | 98 |
| 28) ETHANOL | 4.457 | 45 | 1061688 | 35.38 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 2463970 | 44.77 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.210 | 52 | 1172261 | 36.70 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1703220 | 43.91 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 888181 | 50.35 | PPBV | | 93 |
| 33) FREON 113 | 5.822 | 151 | 3534845 | 56.33 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 2032870 | 50.39 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 3417331 | 46.44 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 5589862 | 54.34 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 882416 | 56.54 | PPBV | | 93 |
| 38) HEXANE | 7.712 | 57 | 3251354 | 57.57 | PPBV | | 93 |
| 39) VINYL ACETATE | 6.813 | 86 | 398132 | 63.09 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 3625488 | 48.02 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 929876 | 59.84 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 2196558 | 52.61 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 1010128 | 59.15 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.749 | 61 | 686502 | 59.89 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3866289 | 56.23 | PPBV | | 97 |
| 46) CHLOROFORM | 7.822 | 83 | 4663315 | 49.57 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.672 | 57 | 3422747 | 55.14 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 5135690 | 54.30 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 5694246 | 57.32 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 3247346 | 53.45 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

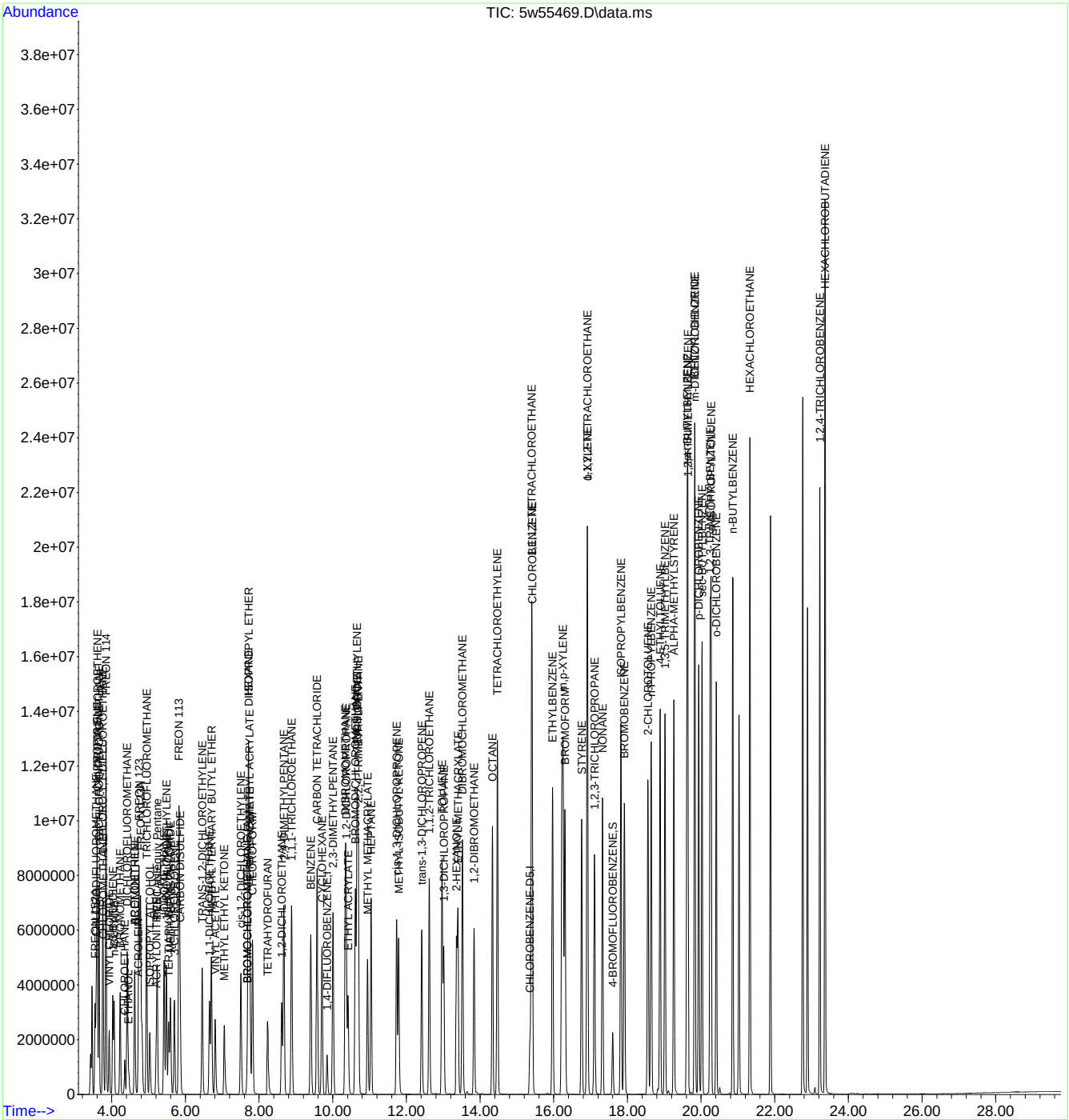
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 52) | BENZENE | 9.406 | 78 | 6113532 | 59.26 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.706 | 84 | 2475588 | 64.65 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1313485 | 63.46 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.661 | 95 | 3350858 | 62.36 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 2447772 | 55.81 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 3348127 | 63.85 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 4375473 | 64.41 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.618 | 83 | 5756859 | 61.21 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.697 | 57 | 9040011 | 57.64 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 1504708 | 63.77 | PPBV | # | 1 |
| 62) | HEPTANE | 11.040 | 43 | 3250063 | 59.42 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 2166506 | 64.00 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 1897421 | 66.38 | PPBV | | 93 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 4365639 | 66.88 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 4696538 | 66.34 | PPBV | | 96 |
| 67) | 1,3-DICHLOROPROPANE | 13.016 | 76 | 3810935 | 60.45 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.416 | 75 | 4045609 | 64.37 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2637082 | 60.91 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2840400 | 51.38 | PPBV | | 93 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 4057750 | 54.22 | PPBV | | 95 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 3652923 | 51.05 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 6267031 | 54.46 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 5059319 | 52.54 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 4818681 | 49.96 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.402 | 131 | 4326992 | 54.27 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 6799424 | 47.95 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 10258201 | 50.70 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.246 | 106 | 8436000 | 111.35 | PPBV | | 88 |
| 81) | o-XYLENE | 16.913 | 106 | 4070628 | 55.18 | PPBV | | 92 |
| 82) | STYRENE | 16.760 | 104 | 6336380 | 60.46 | PPBV | | 99 |
| 83) | NONANE | 17.323 | 43 | 4885695 | 48.38 | PPBV | | 95 |
| 84) | BROMOFORM | 16.301 | 173 | 6736389 | 57.61 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 6857413 | 45.32 | PPBV | | 98 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 4752860 | 43.44 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 11140531 | 48.25 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.916 | 77 | 5858269 | 44.66 | PPBV | | 92 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3066170 | 53.80 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 3235225 | 56.20 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 11113673 | 52.46 | PPBV | | 94 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.024 | 105 | 9540125 | 52.72 | PPBV | | 95 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 5169037 | 56.23 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 2268727 | 58.03 | PPBV | # | 82 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.641 | 105 | 9871747 | 51.85 | PPBV | | 93 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 7376020 | 49.22 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.825 | 91 | 9467573 | 50.66 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 7163876 | 51.16 | PPBV | | 97 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 2603292 | 55.55 | PPBV | # | 67 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.247 | 105 | 9909252 | 51.34 | PPBV | # | 93 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 3067541 | 55.77 | PPBV | # | 77 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 6729808 | 49.34 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 3076474 | 61.52 | PPBV | # | 67 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 5060035 | 53.27 | PPBV | | 91 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 7021325 | 55.35 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 6957395 | 61.95 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 12050439 | 41.25 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 367475 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1638649 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 911415 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 367475 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1063310 | 10.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 104.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 609290 | 12.11 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 260396 | 9.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146420 | 10.39 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 632936 | 9.95 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1344712 | 10.01 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 286338 | 8.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1363042 | 9.91 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1731966 | 10.51 | PPBV | | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 156442 | 9.03 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572576 | 9.39 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 394416 | 9.64 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 729754 | 9.30 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 601870 | 9.37 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 259712 | 9.32 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1337017 | 9.71 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 408916 | 9.02 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 206598 | 10.43 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1322073 | 9.54 | PPBV | | 98 |
| 20) FREON 123A | 4.775 | 117 | 716793 | 9.72 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1280625 | 10.32 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 746766 | 9.50 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 228297 | 7.70 | PPBV | | 98 |
| 24) PENTANE | 5.234 | 42 | 361550 | 9.26 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 1165392 | 11.26 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 397014 | 10.32 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1188347 | 10.68 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 231689 | 8.04 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 574006 | 10.49 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 234694 | 7.62 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 367561 | 9.54 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 183296 | 10.31 | PPBV | | 94 |
| 33) FREON 113 | 5.822 | 151 | 692675 | 10.83 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 415687 | 10.23 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 838007 | 11.33 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1138293 | 10.93 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 182808 | 11.46 | PPBV | | 94 |
| 38) HEXANE | 7.706 | 57 | 580332 | 10.08 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.806 | 86 | 76162 | 11.57 | PPBV | # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 737374 | 9.76 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 183994 | 11.54 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 438839 | 10.40 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 182011 | 10.41 | PPBV | | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 132720 | 11.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 734957 | 10.50 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 994491 | 10.54 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 665821 | 10.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1027293 | 10.72 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1117143 | 11.04 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 644626 | 10.51 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1241071 | 10.45 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 497434 | 11.15 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 255937 | 10.63 | PPBV | | 95 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 628915 | 10.04 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 480413 | 9.53 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 607456 | 9.91 | PPBV | | 96 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 889260 | 11.18 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1129142 | 10.33 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1875164 | 10.40 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 305770 | 11.05 | PPBV | # | 88 |
| 62) HEPTANE | 11.034 | 43 | 644985 | 10.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 440067 | 11.15 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 365625 | 10.89 | PPBV | | 96 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 791718 | 10.34 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 897196 | 10.80 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 768595 | 10.52 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 763107 | 10.83 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 511400 | 10.19 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.365 | 58 | 533643 | 12.41 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 797333 | 12.67 | PPBV | | 97 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 678237 | 11.39 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1221557 | 12.62 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 968537 | 12.07 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 928927 | 11.60 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 789303 | 11.81 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1302463 | 11.10 | PPBV | | 98 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2069237 | 12.31 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.234 | 106 | 1576639 | 24.73 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 773169 | 12.49 | PPBV | | 97 |
| 82) STYRENE | 16.754 | 104 | 1182327 | 13.32 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 964575 | 11.55 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1229686 | 12.42 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1398226 | 11.24 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 977028 | 10.88 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2272900 | 11.87 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 1152759 | 10.66 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 580224 | 12.09 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 614508 | 12.66 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2276515 | 12.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1926471 | 12.75 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 964352 | 11.83 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 426733 | 12.94 | PPBV | | 97 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2101835 | 13.26 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1483124 | 11.88 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 2086019 | 12.26 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1425940 | 12.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 510021 | 12.96 | PPBV | | 95 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2045983 | 12.71 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 605096 | 13.08 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1345461 | 11.88 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 568438 | 13.36 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 980805 | 12.37 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1360841 | 12.77 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1285426 | 12.74 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 3116488 | 14.07 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2415970 | 8.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

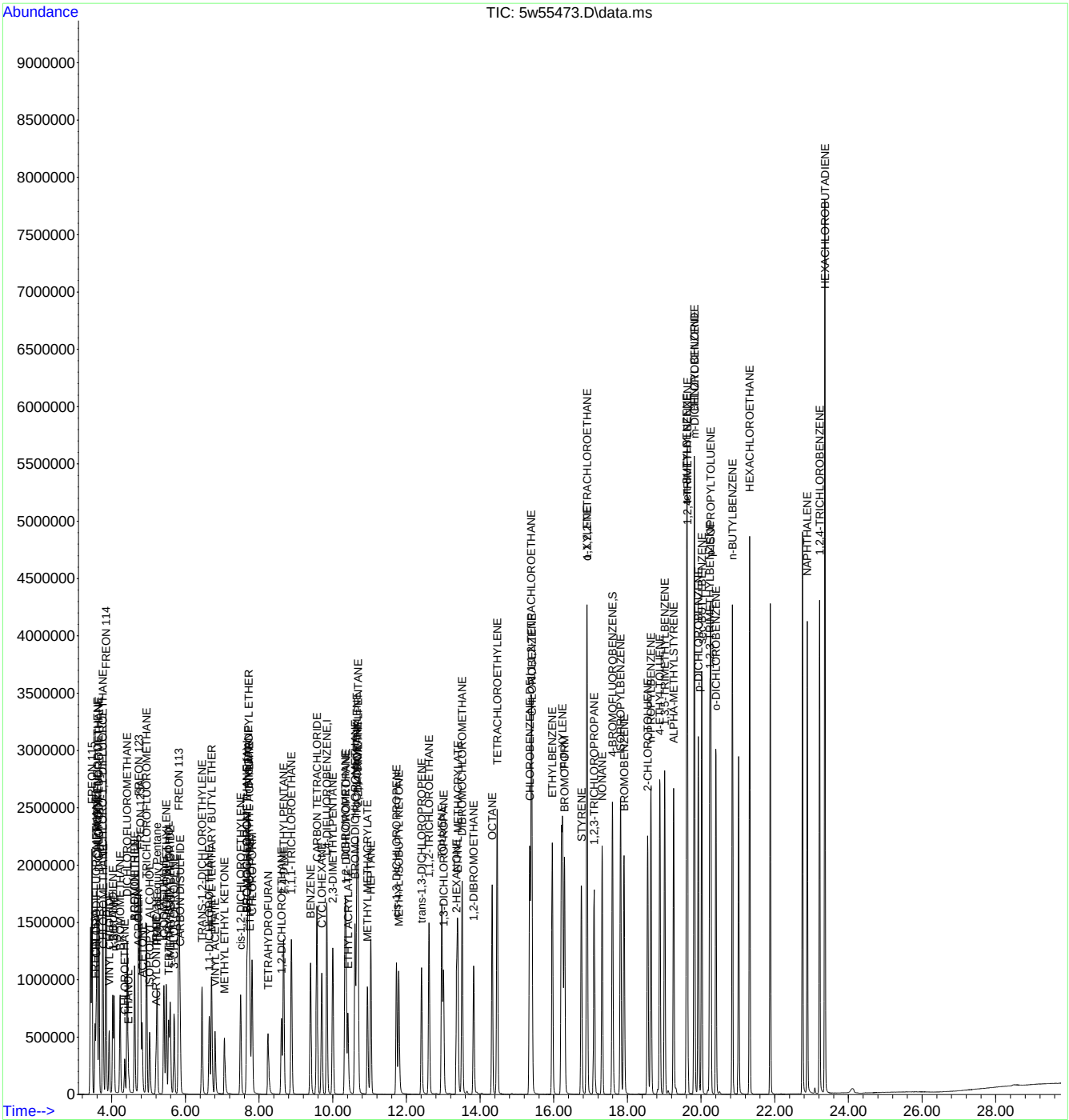
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 322460 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1489170 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 993103 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 322460 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1099191 | 9.89 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 98.90% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 520709 | 11.80 | PPBV | | 84 |
| 3) FREON 152A | 3.546 | 65 | 276973 | 11.61 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 166597 | 13.47 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 519061 | 9.30 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1412200 | 11.98 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 331455 | 11.17 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1429777 | 11.85 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 1669845 | 11.55 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.778 | 52 | 132197 | 8.70 | PPBV | # | 70 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 541891 | 10.13 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 340350 | 9.48 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 660477 | 9.59 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 552406 | 9.80 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 254726 | 10.42 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1370890 | 11.34 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 366554 | 9.21 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 177177 | 10.20 | PPBV | | 95 |
| 19) FREON 123 | 4.738 | 83 | 1330586 | 10.94 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 663515 | 10.26 | PPBV | # | 75 |
| 21) TRICHLOROFLUOROMETHANE | 4.946 | 101 | 1264654 | 11.61 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 764649 | 11.08 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 207162 | 7.97 | PPBV | | 97 |
| 24) PENTANE | 5.234 | 42 | 402201 | 11.73 | PPBV | | 95 |
| 25) IODOMETHANE | 5.418 | 142 | 1106736 | 12.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 391141 | 11.59 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1221854 | 12.51 | PPBV | | 97 |
| 28) ETHANOL | 4.457 | 45 | 222031 | 8.78 | PPBV | | 99 |
| 29) BROMOETHENE | 4.622 | 106 | 489275 | 10.19 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.203 | 52 | 234269 | 8.67 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 372067 | 11.00 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 196624 | 12.61 | PPBV | | 95 |
| 33) FREON 113 | 5.821 | 151 | 681434 | 12.14 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 409739 | 11.49 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 798191 | 12.30 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1250497 | 13.68 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 195613 | 13.98 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 601481 | 11.90 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.812 | 86 | 73138 | 12.66 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 807908 | 12.19 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 202355 | 14.47 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 433612 | 11.72 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190127 | 12.39 | PPBV | | 99 |
| 44) ETHYL ACETATE | 7.748 | 61 | 143075 | 13.87 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 741565 | 12.07 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1042868 | 12.60 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 694605 | 12.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1051269 | 12.51 | PPBV | | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1081408 | 12.17 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 753341 | 13.99 | PPBV | | 99 |
| 52) | BENZENE | 9.400 | 78 | 1308603 | 12.12 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 517052 | 12.75 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 274961 | 12.56 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 636688 | 11.19 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 506310 | 11.05 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 686352 | 12.32 | PPBV | | 89 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 914775 | 12.66 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 1226956 | 12.35 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1925505 | 11.75 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.673 | 88 | 293029 | 11.66 | PPBV | # | 83 |
| 62) | HEPTANE | 11.027 | 43 | 711739 | 12.43 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 490546 | 13.67 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 386935 | 12.69 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 908094 | 13.05 | PPBV | | 96 |
| 66) | TOLUENE | 12.961 | 92 | 880714 | 11.67 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 812598 | 12.23 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 831172 | 12.97 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 532844 | 11.68 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.358 | 58 | 553694 | 11.82 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 847107 | 12.35 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 706848 | 10.90 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 1056659 | 10.02 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 874382 | 10.00 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1029699 | 11.80 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 673268 | 9.24 | PPBV | | 87 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 1148673 | 8.98 | PPBV | | 90 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 2051697 | 11.21 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1393837 | 20.06 | PPBV | | 89 |
| 81) | o-XYLENE | 16.900 | 106 | 688459 | 10.21 | PPBV | | 88 |
| 82) | STYRENE | 16.748 | 104 | 1065237 | 11.01 | PPBV | | 95 |
| 83) | NONANE | 17.310 | 43 | 1087899 | 11.95 | PPBV | | 99 |
| 84) | BROMOFORM | 16.289 | 173 | 1433058 | 13.28 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1447874 | 10.68 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1034242 | 10.57 | PPBV | | 93 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2022994 | 9.69 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1205557 | 10.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 474191 | 9.07 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 510325 | 9.65 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2078219 | 10.79 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1720705 | 10.45 | PPBV | | 96 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 805324 | 9.06 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 339182 | 9.44 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1864732 | 10.80 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1304743 | 9.60 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1945978 | 10.50 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1268946 | 10.00 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 416552 | 9.72 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1821683 | 10.39 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 476322 | 9.45 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1197143 | 9.70 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 460517 | 9.93 | PPBV | # | 69 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 963853 | 11.15 | PPBV | # | 79 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1958096 | 16.86 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1359406 | 12.36 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2303458 | 9.54 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 2637301 | 10.45 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

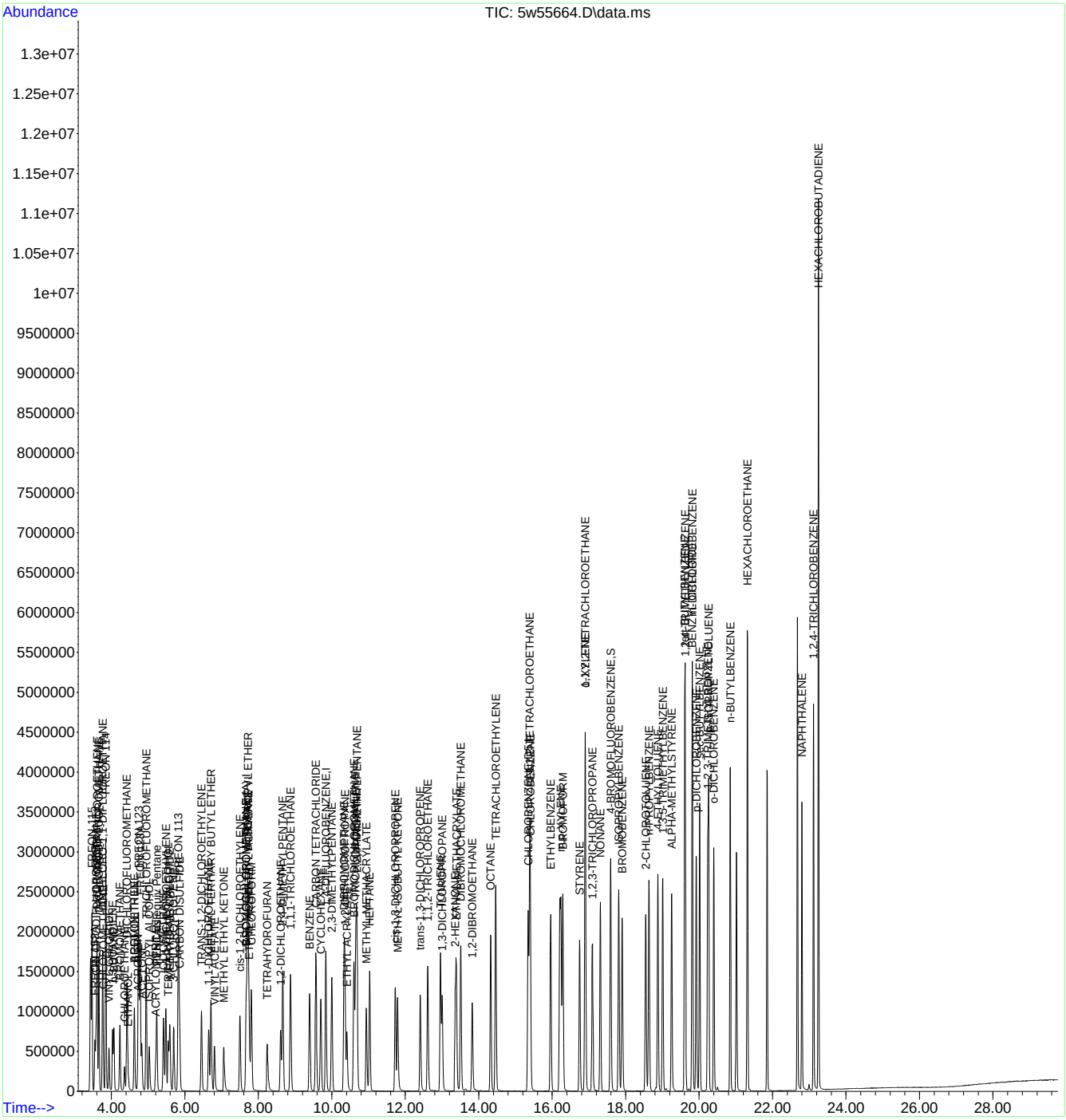
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1320983 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 829640 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 938681 | 10.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 490141 | 12.6307 | PPBV | 87 |
| 3) FREON 152A | 3.546 | 65 | 248979 | 11.8708 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 139788 | 12.8535 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 484866 | 9.8778 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1235881 | 11.9294 | PPBV | 99 |
| 7) PROPYLENE | 3.601 | 41 | 318999 | 12.2258 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1310116 | 12.3491 | PPBV | 97 |
| 9) FREON 114 | 3.839 | 85 | 1498369 | 11.7910 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.772 | 52 | 139843 | 10.4675 | PPBV # | 73 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 500361 | 10.6359 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 328558 | 10.4069 | PPBV # | 82 |
| 13) n-BUTANE | 4.066 | 43 | 673554 | 11.1214 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 503106 | 10.1489 | PPBV | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 218128 | 10.1465 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1182527 | 11.1281 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 381104 | 10.8940 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 174216 | 11.4045 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1208215 | 11.2970 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 627646 | 11.0370 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1106838 | 11.5611 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 701344 | 11.5619 | PPBV | 96 |
| 23) ACETONE | 4.818 | 58 | 190094 | 8.3139 | PPBV # | 73 |
| 24) PENTANE | 5.234 | 42 | 382516 | 12.6939 | PPBV | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1048284 | 13.1253 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 350278 | 11.8046 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1106323 | 12.8869 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 228093 | 10.2598 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 464023 | 10.9881 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.197 | 52 | 227386 | 9.5736 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 336437 | 11.3149 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 178242 | 13.0003 | PPBV # | 87 |
| 33) FREON 113 | 5.821 | 151 | 646266 | 13.0999 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 362444 | 11.5588 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 711279 | 12.4651 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1081108 | 13.4514 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 173340 | 14.0890 | PPBV | 93 |
| 38) HEXANE | 7.699 | 57 | 571589 | 12.8683 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 62812 | 12.3718 | PPBV # | 69 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 730632 | 12.5370 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 181023 | 14.7210 | PPBV # | 84 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 388757 | 11.9483 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 173894 | 12.8880 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.748 | 61 | 131535 | 14.5003 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 737514 | 13.6580 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 932936 | 12.8195 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 643935 | 13.2559 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 932528 | 12.6198 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 977527 | 12.5168 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 663626 | 14.0198 | PPBV | | 98 |
| 52) BENZENE | 9.394 | 78 | 1170534 | 12.2253 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 450644 | 12.5296 | PPBV | | 97 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 244517 | 12.5920 | PPBV | | 98 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 563731 | 11.1681 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.355 | 63 | 455764 | 11.2146 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 10.330 | 174 | 640573 | 12.9639 | PPBV | | 87 |
| 58) ETHYL ACRYLATE | 10.410 | 55 | 894070 | 13.9460 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.599 | 83 | 1096175 | 12.4360 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1810078 | 12.4491 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 10.667 | 88 | 262414 | 11.7689 | PPBV | # | 87 |
| 62) HEPTANE | 11.027 | 43 | 692024 | 13.6267 | PPBV | | 94 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 435827 | 13.6920 | PPBV | | 92 |
| 64) METHYL ISOBUTYL KETONE | 11.786 | 58 | 353359 | 13.0593 | PPBV | # | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 805461 | 13.0465 | PPBV | | 93 |
| 66) TOLUENE | 12.961 | 92 | 771776 | 11.5242 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 13.003 | 76 | 721866 | 12.2521 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 730655 | 12.8581 | PPBV | | 94 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 477290 | 11.7978 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.358 | 58 | 505319 | 12.9114 | PPBV | | 82 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 748660 | 13.0646 | PPBV | | 94 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 646497 | 11.9302 | PPBV | | 84 |
| 74) DIBROMOCHLOROMETHANE | 13.505 | 129 | 957673 | 10.8685 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 821840 | 11.2479 | PPBV | | 100 |
| 76) OCTANE | 14.325 | 43 | 1000955 | 13.7360 | PPBV | | 94 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 625512 | 10.2814 | PPBV | | 90 |
| 78) CHLOROBENZENE | 15.402 | 112 | 1074618 | 10.0617 | PPBV | | 93 |
| 79) ETHYLBENZENE | 15.958 | 91 | 1824972 | 11.9314 | PPBV | | 97 |
| 80) m,p-XYLENE | 16.234 | 106 | 1282140 | 22.0915 | PPBV | | 93 |
| 81) o-XYLENE | 16.900 | 106 | 643598 | 11.4241 | PPBV | | 92 |
| 82) STYRENE | 16.747 | 104 | 987985 | 12.2269 | PPBV | | 96 |
| 83) NONANE | 17.310 | 43 | 1057154 | 13.9014 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1332200 | 14.7771 | PPBV | | 99 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1314867 | 11.6113 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 931482 | 11.3923 | PPBV | | 95 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 1869433 | 10.7239 | PPBV | | 96 |
| 89) BROMOBENZENE | 17.904 | 77 | 1084437 | 11.0142 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 452203 | 10.3535 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.632 | 120 | 482605 | 10.9202 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.876 | 105 | 1913832 | 11.8952 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1598724 | 11.6271 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.250 | 118 | 753685 | 10.1544 | PPBV | | 97 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 323983 | 10.7921 | PPBV | | 93 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1752820 | 12.1500 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.812 | 146 | 1265483 | 11.1404 | PPBV | | 98 |
| 98) BENZYL CHLORIDE | 19.806 | 91 | 1786034 | 11.5343 | PPBV | | 97 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1231073 | 11.6079 | PPBV | | 98 |
| 100) sec-BUTYLBENZENE | 20.014 | 134 | 389937 | 10.8867 | PPBV | # | 88 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1704534 | 11.6335 | PPBV | # | 97 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 453456 | 10.7719 | PPBV | | 94 |
| 103) o-DICHLOROBENZENE | 20.400 | 146 | 1154974 | 11.2005 | PPBV | | 98 |
| 104) n-BUTYLBENZENE | 20.852 | 134 | 440098 | 11.3651 | PPBV | # | 77 |
| 105) HEXACHLOROETHANE | 21.317 | 117 | 908545 | 12.5865 | PPBV | # | 81 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 1704722 | 17.5722 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1397381 | 15.2088 | PPBV | | 96 |
| 108) NAPHTHALENE | 22.877 | 128 | 2277222 | 11.2912 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2517105 | 11.3419 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

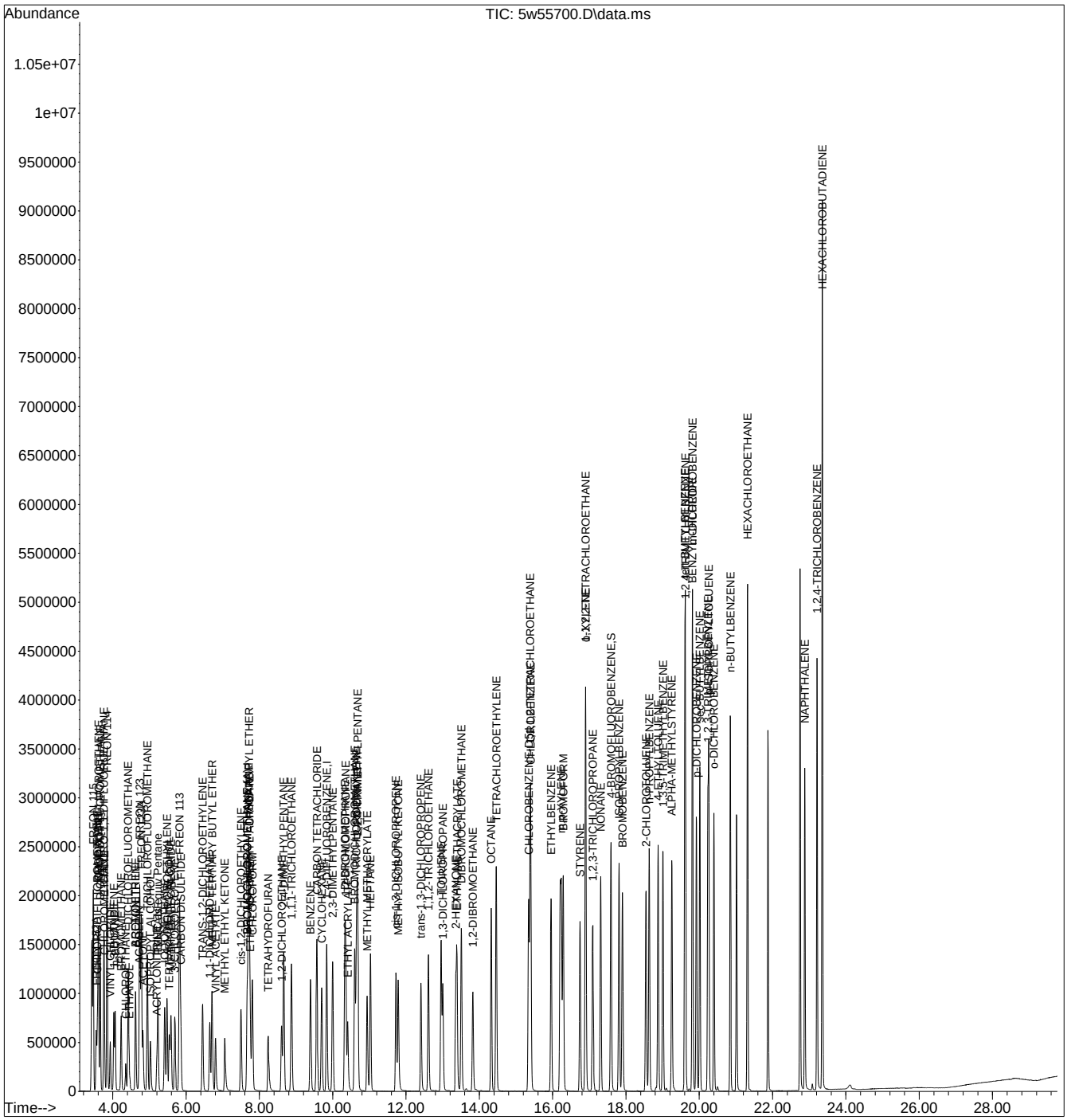
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 322187 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1499665 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 960430 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 322187 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1064085 | 9.90 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 572368 | 12.9781 | PPBV | 87 |
| 3) FREON 152A | 3.540 | 65 | 304195 | 12.7614 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 165868 | 13.4197 | PPBV | 94 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 591221 | 10.5978 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1503908 | 12.7731 | PPBV | 99 |
| 7) PROPYLENE | 3.595 | 41 | 388458 | 13.0997 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1513638 | 12.5538 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1775578 | 12.2943 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.772 | 52 | 164996 | 10.8669 | PPBV | 98 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 589234 | 11.0206 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 386821 | 10.7808 | PPBV # | 83 |
| 13) n-BUTANE | 4.060 | 43 | 789454 | 11.4695 | PPBV | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 593232 | 10.5297 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 262008 | 10.7238 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1376215 | 11.3953 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 440394 | 11.0768 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 199678 | 11.5013 | PPBV | 98 |
| 19) FREON 123 | 4.732 | 83 | 1411933 | 11.6162 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 737156 | 11.4058 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1375868 | 12.6451 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 879588 | 12.7588 | PPBV | 98 |
| 23) ACETONE | 4.818 | 58 | 220902 | 8.5009 | PPBV # | 77 |
| 24) PENTANE | 5.228 | 42 | 464312 | 13.5577 | PPBV | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 1207745 | 13.3056 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 405357 | 12.0200 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1285518 | 13.1757 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 278563 | 11.0251 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 556399 | 11.5931 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 272810 | 10.1065 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 385190 | 11.3986 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 205624 | 13.1961 | PPBV # | 84 |
| 33) FREON 113 | 5.815 | 151 | 741727 | 13.2291 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 420322 | 11.7946 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 831426 | 12.8206 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1284152 | 14.0586 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 202111 | 14.4544 | PPBV | 88 |
| 38) HEXANE | 7.700 | 57 | 686887 | 13.6067 | PPBV | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 77597 | 13.4482 | PPBV # | 71 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 856094 | 12.9255 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 210936 | 15.0933 | PPBV # | 76 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 451331 | 12.2054 | PPBV | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 205530 | 13.4031 | PPBV # | 80 |
| 44) ETHYL ACETATE | 7.742 | 61 | 157391 | 15.2667 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 876667 | 14.2850 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1093698 | 13.2235 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 772947 | 14.0006 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1087105 | 12.9447 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1148555 | 12.9404 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 778298 | 14.4676 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1392661 | 12.8122 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 535199 | 13.1075 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 292793 | 13.2816 | PPBV | | 99 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 660985 | 11.5346 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 546899 | 11.8536 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 760051 | 13.5492 | PPBV | | 86 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1067542 | 14.6678 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1290808 | 12.8993 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2167838 | 13.1332 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 311094 | 12.2898 | PPBV | # | 58 |
| 62) | HEPTANE | 11.028 | 43 | 822395 | 14.2644 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 521152 | 14.4218 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 419550 | 13.6581 | PPBV | # | 81 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 958908 | 13.6814 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 921854 | 12.1251 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 861705 | 12.8830 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 870540 | 13.4944 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 569773 | 12.4058 | PPBV | | 95 |
| 71) | 2-HEXANONE | 13.352 | 58 | 613698 | 13.5452 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 899734 | 13.5629 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 769694 | 12.2694 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1143172 | 11.2070 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 968378 | 11.4487 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1201691 | 14.2450 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 738655 | 10.4877 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1267306 | 10.2500 | PPBV | | 94 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2158963 | 12.1928 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1520798 | 22.6352 | PPBV | | 92 |
| 81) | o-XYLENE | 16.895 | 106 | 755729 | 11.5877 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1161541 | 12.4172 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1261487 | 14.3293 | PPBV | | 97 |
| 84) | BROMOFORM | 16.283 | 173 | 1589690 | 15.2320 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1558031 | 11.8850 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1087468 | 11.4888 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2220386 | 11.0026 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1279924 | 11.2294 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 528985 | 10.4621 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 562964 | 11.0038 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2240448 | 12.0290 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1863931 | 11.7098 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 887412 | 10.3280 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 382494 | 11.0060 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2062867 | 12.3519 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1488141 | 11.3165 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2058519 | 11.4837 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1429569 | 11.6439 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 456014 | 10.9977 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1982399 | 11.6874 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 527166 | 10.8176 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1333415 | 11.1701 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 507093 | 11.3119 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1051510 | 12.5834 | PPBV | # | 82 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1947316 | 17.3393 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1588513 | 14.9347 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2555622 | 10.9460 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2991185 | 11.8592 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

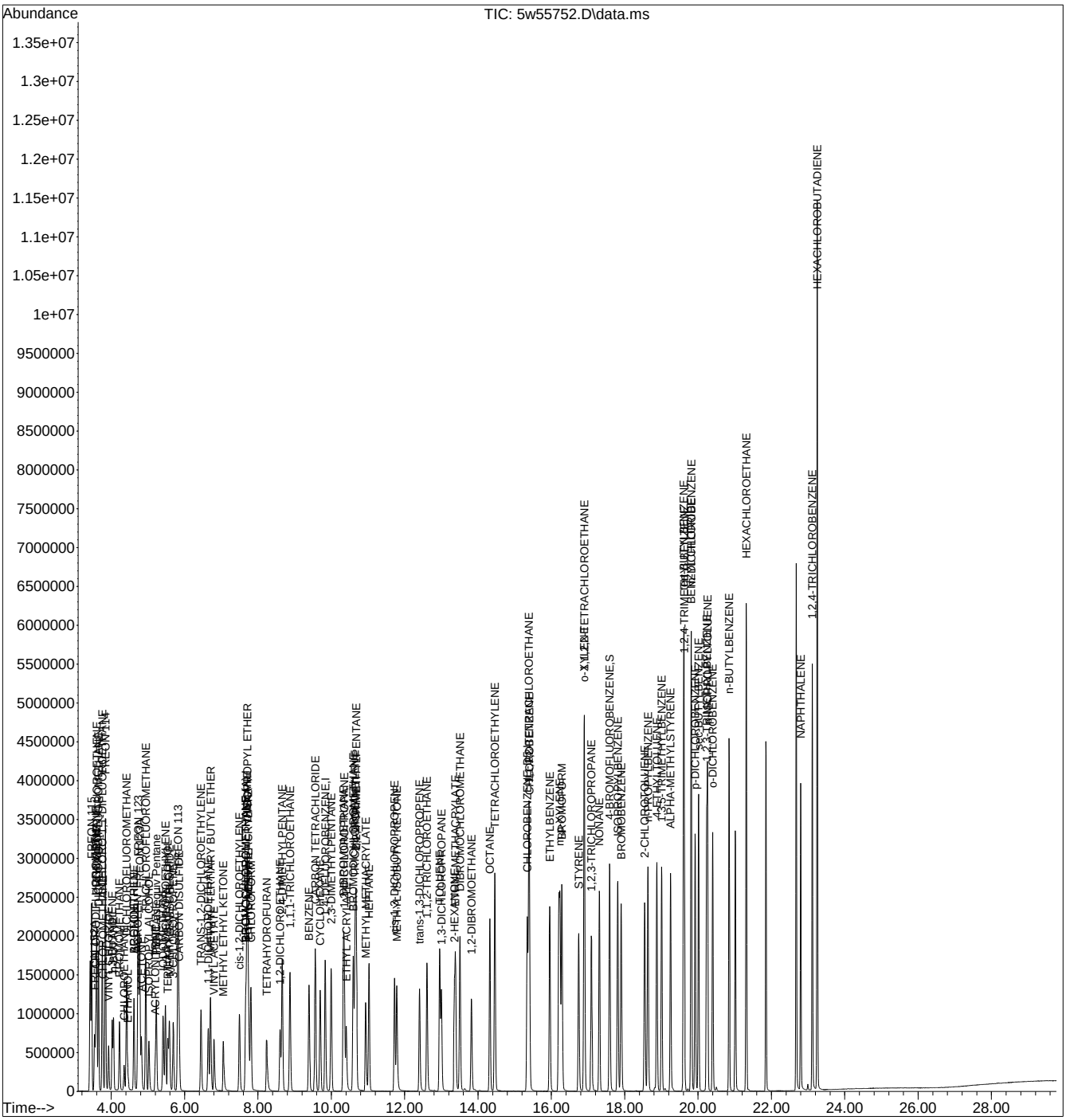
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-20-2024\V5w2135\
Data File : 5w55752.D
Acq On : 19 Dec 2024 4:21 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2135,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 20 13:27:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 263070 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1217301 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 738303 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 263070 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 828145 | 10.02 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 443684 | 12.3210 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 212489 | 10.9174 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 118141 | 11.7063 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 455636 | 10.0028 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1073218 | 11.1634 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 257735 | 10.6445 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1120022 | 11.3767 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1412169 | 11.9753 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 124915 | 10.0759 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 476330 | 10.9110 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 312743 | 10.6749 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 620169 | 11.0348 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 475235 | 10.3309 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209737 | 10.5135 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1073511 | 10.8864 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 340326 | 10.4835 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 158371 | 11.1720 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 1097141 | 11.0548 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 579782 | 10.9867 | PPBV | | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 992534 | 11.1719 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 589792 | 10.4777 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 174326 | 8.2161 | PPBV | | 90 |
| 24) PENTANE | 5.228 | 42 | 306426 | 10.9582 | PPBV | | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 939913 | 12.6819 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 296637 | 10.7728 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 905072 | 11.3609 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 218980 | 10.6145 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 433197 | 11.0544 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.198 | 52 | 185208 | 8.4030 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 279330 | 10.1235 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 147321 | 11.5790 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 589276 | 12.8719 | PPBV | | 83 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 307408 | 10.5646 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 581566 | 10.9830 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 919622 | 12.3303 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 148350 | 12.9937 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 459701 | 11.1527 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 56579 | 12.0092 | PPBV | | 99 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 598323 | 11.0636 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153607 | 13.4611 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 329132 | 10.9009 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 144614 | 11.5498 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.742 | 61 | 103860 | 12.3381 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 588812 | 11.7506 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 773655 | 11.4560 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 526334 | 11.6760 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 772811 | 11.2702 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 830049 | 11.4534 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 534819 | 12.1757 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003717 | 11.3759 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 396422 | 11.9608 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 212277 | 11.8628 | PPBV | | 91 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 483189 | 10.3878 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 382961 | 10.2258 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 614707 | 13.5000 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 721337 | 12.2100 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 909013 | 11.1910 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1465609 | 10.9385 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 227029 | 11.0492 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 560388 | 11.9745 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 372004 | 12.6823 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 297634 | 11.9368 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 688807 | 12.1073 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 690703 | 11.1921 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 615745 | 11.3411 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622635 | 11.8904 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 405394 | 10.8742 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429888 | 12.3429 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646680 | 12.6811 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628528 | 13.0335 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 865933 | 11.0431 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 716152 | 11.0140 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 821392 | 12.6663 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 554115 | 10.2346 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 950698 | 10.0026 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1588334 | 11.6689 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.209 | 106 | 1164310 | 22.5430 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 571423 | 11.3978 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 888220 | 12.3521 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 857369 | 12.6690 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1248720 | 15.5647 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1093404 | 10.8501 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 770661 | 10.5914 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1668204 | 10.7534 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 920121 | 10.5015 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 405141 | 10.4235 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 441199 | 11.2183 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1704719 | 11.9063 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1434926 | 11.7269 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 695654 | 10.5321 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 311530 | 11.6610 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1567244 | 12.2076 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1161828 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1522621 | 11.0497 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1135811 | 12.0346 | PPBV | | 95 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 373153 | 11.7069 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1526328 | 11.7060 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432797 | 11.5531 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1063562 | 11.5900 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 424199 | 12.3098 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 800997 | 12.4694 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1750424 | 20.2754 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1448982 | 17.7214 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2170339 | 12.0926 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2047811 | 9.9435 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

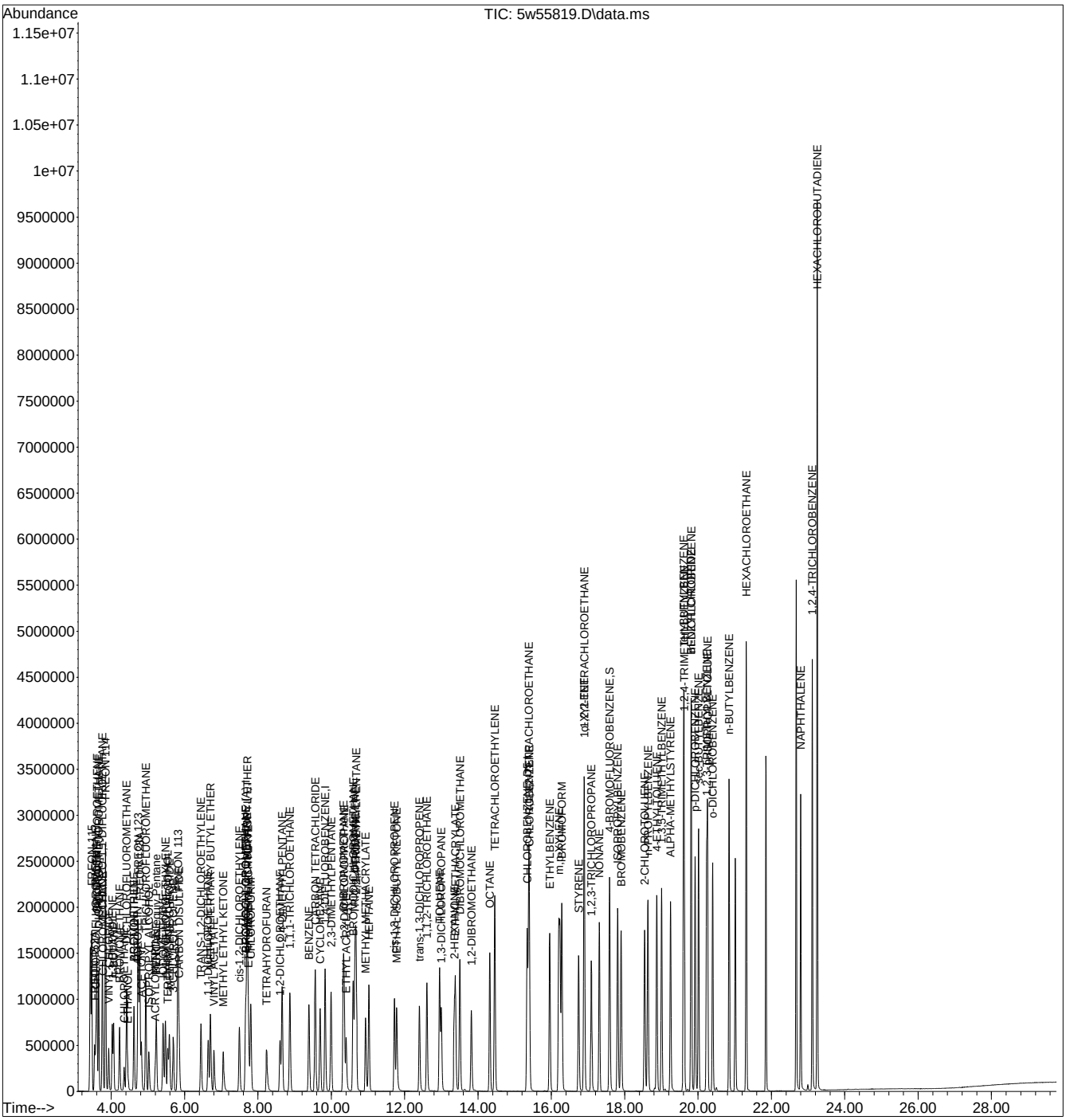
(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.7.24
7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 435174 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 379594 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 275352 | 9.89 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 521 | 0.05 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 283 | 0.05 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 125 | 0.04 | PPBV | # | 38 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 644 | 0.05 | PPBV | | 79 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 1424 | 0.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 412 | 0.05 | PPBV | # | 75 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1198 | 0.04 | PPBV | # | 77 |
| 9) FREON 114 | 1.759 | 85 | 1188 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.733 | 52 | 270 | 0.06 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 622 | 0.05 | PPBV | # | 84 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 532 | 0.05 | PPBV | # | 38 |
| 13) N-BUTANE | 1.849 | 43 | 921 | 0.05 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.910 | 94 | 499 | 0.05 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.958 | 64 | 295 | 0.04 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 1087 | 0.04 | PPBV | # | 74 |
| 17) ACETONITRILE | 2.055 | 41 | 1005 | 0.07 | PPBV | # | 82 |
| 19) FREON 123 | 2.106 | 83 | 1209 | 0.04 | PPBV | | 92 |
| 20) FREON 123A | 2.126 | 117 | 644 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.190 | 101 | 1284 | 0.04 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 2.229 | 45 | 1604 | 0.05 | PPBV | # | 74 |
| 23) ACETONE | 2.142 | 58 | 1052 | 0.10 | PPBV | | 91 |
| 24) PENTANE | 2.306 | 42 | 809 | 0.05 | PPBV | # | 91 |
| 25) IODOMETHANE | 2.367 | 142 | 1057 | 0.04 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 495 | 0.04 | PPBV | | 92 |
| 27) CARBON DISULFIDE | 2.528 | 76 | 1277 | 0.04 | PPBV | # | 75 |
| 28) ETHANOL | 2.000 | 45 | 820 | 0.07 | PPBV | # | 64 |
| 29) BROMOETHENE | 2.061 | 106 | 450 | 0.04 | PPBV | # | 80 |
| 30) ACRYLONITRILE | 2.277 | 52 | 632 | 0.06 | PPBV | | 87 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 890 | 0.07 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 287 | 0.05 | PPBV | # | 1 |
| 33) FREON 113 | 2.521 | 151 | 715 | 0.04 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 522 | 0.04 | PPBV | | 78 |
| 35) TERTIARY BUTYL ALCOHOL | 2.447 | 59 | 1139 | 0.04 | PPBV | # | 51 |
| 36) METHYL TERTIARY BUTYL ... | 2.878 | 73 | 1180 | 0.04 | PPBV | # | 81 |
| 37) TETRAHYDROFURAN | 3.598 | 72 | 164 | 0.03 | PPBV | # | 47 |
| 38) HEXANE | 3.322 | 57 | 1231 | 0.05 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.910 | 86 | 51 | 0.02 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 955 | 0.04 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 219 | 0.04 | PPBV | # | 14 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 521 | 0.04 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 208 | 0.03 | PPBV | | 43 |
| 44) ETHYL ACETATE | 3.341 | 61 | 177 | 0.04 | PPBV | # | 83 |
| 45) METHYL ACRYLATE | 3.328 | 55 | 948 | 0.04 | PPBV | | 90 |
| 46) CHLOROFORM | 3.344 | 83 | 987 | 0.04 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1018 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 923 | 0.04 | PPBV | | 93 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 765 | 0.03 | PPBV | | 94 |
| 50) 1,2-DICHLOROETHANE | 3.749 | 62 | 737 | 0.04 | PPBV | # | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

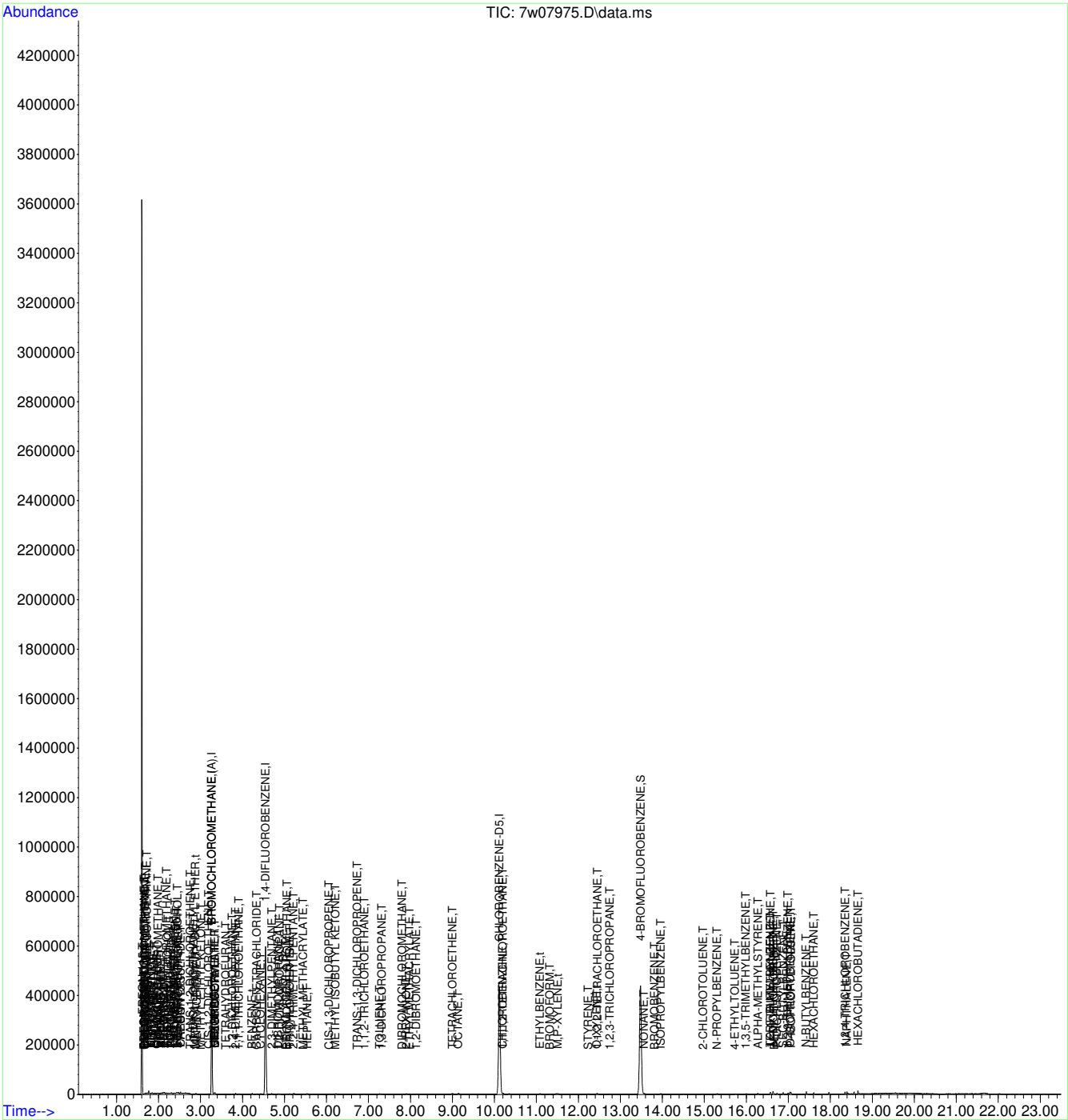
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) BENZENE | 4.219 | 78 | 1765 | 0.05 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.428 | 84 | 693 | 0.04 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 323 | 0.04 | PPBV | # | 73 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 728 | 0.04 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.884 | 63 | 609 | 0.04 | PPBV | # | 86 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 617 | 0.04 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 5.032 | 55 | 1286 | 0.04 | PPBV | # | 86 |
| 59) BROMODICHLOROMETHANE | 5.061 | 83 | 937 | 0.04 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 3047 | 0.04 | PPBV | # | 93 |
| 62) HEPTANE | 5.540 | 43 | 1123 | 0.04 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.447 | 69 | 574 | 0.04 | PPBV | # | 85 |
| 64) METHYL ISOBUTYL KETONE | 6.206 | 58 | 746 | 0.05 | PPBV | # | 1 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 655 | 0.03 | PPBV | | 86 |
| 66) TOLUENE | 7.264 | 91 | 2052 | 0.04 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.315 | 76 | 924 | 0.04 | PPBV | # | 84 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.730 | 75 | 422 | 0.03 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.904 | 83 | 497 | 0.04 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.900 | 58 | 1104 | 0.05 | PPBV | # | 95 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 838 | 0.04 | PPBV | # | 87 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 878 | 0.05 | PPBV | | 93 |
| 73) DIBROMOCHLOROMETHANE | 7.797 | 129 | 793 | 0.03 | PPBV | | 92 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 952 | 0.04 | PPBV | # | 99 |
| 75) OCTANE | 9.135 | 43 | 2128 | 0.06 | PPBV | # | 79 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.196 | 131 | 638 | 0.04 | PPBV | | 86 |
| 78) CHLOROBENZENE | 10.190 | 112 | 1477 | 0.04 | PPBV | # | 87 |
| 79) ETHYLBENZENE | 11.080 | 91 | 2859 | 0.05 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.505 | 91 | 4346m | 0.09 | PPBV | | |
| 81) O-XYLENE | 12.434 | 91 | 2112 | 0.04 | PPBV | | 84 |
| 82) STYRENE | 12.231 | 104 | 1406 | 0.04 | PPBV | # | 67 |
| 83) NONANE | 13.556 | 43 | 1791 | 0.05 | PPBV | # | 83 |
| 84) BROMOFORM | 11.318 | 173 | 690m | 0.03 | PPBV | | |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 1288 | 0.04 | PPBV | # | 90 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.743 | 75 | 1102 | 0.04 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 662 | 0.04 | PPBV | | 78 |
| 89) BROMOBENZENE | 13.810 | 77 | 1167 | 0.03 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.964 | 126 | 643 | 0.04 | PPBV | # | 62 |
| 91) N-PROPYLBENZENE | 15.299 | 120 | 676 | 0.04 | PPBV | # | 62 |
| 92) 4-ETHYLTOLUENE | 15.723 | 105 | 2657m | 0.04 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.987 | 105 | 2186 | 0.04 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.276 | 118 | 1080 | 0.04 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 543 | 0.04 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 2186 | 0.04 | PPBV | | 95 |
| 97) BENZYL CHLORIDE | 16.662 | 91 | 535 | 0.02 | PPBV | # | 61 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 1366 | 0.04 | PPBV | | 94 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 1547 | 0.04 | PPBV | | 97 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 1438 | 0.04 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 621 | 0.04 | PPBV | | 88 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 2316 | 0.04 | PPBV | # | 89 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 687 | 0.04 | PPBV | | 94 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 648 | 0.04 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 508 | 0.03 | PPBV | | 93 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 1096 | 0.04 | PPBV | | 95 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1301 | 0.04 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 4007 | 0.04 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.306 | TIC | 3733m | 0.04 | PPBV | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



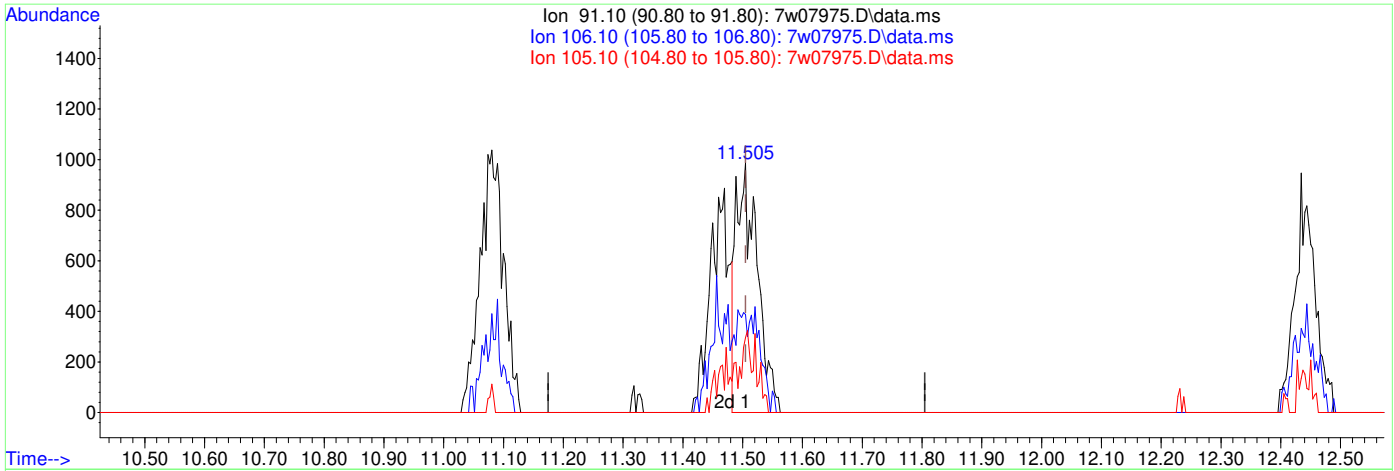
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
**Injection Time:** 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

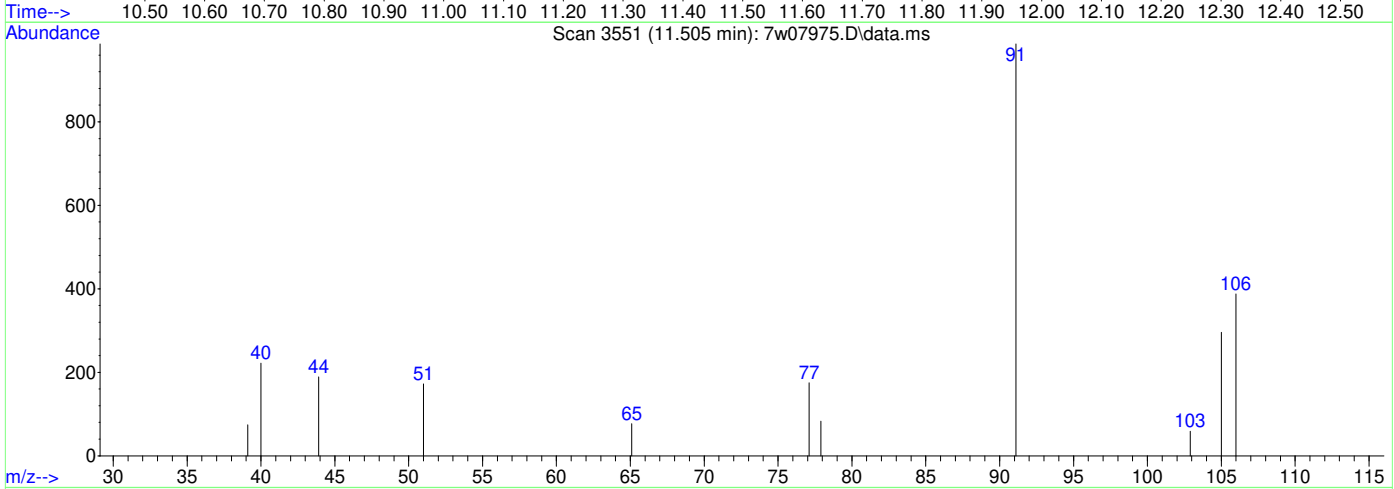
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| TVHC As Equiv Pentane | | | 2.31 | Poor instrument integration |
| Bromoform | 75-25-2 | | 11.32 | Split peak |
| m,p-Xylene | | | 11.50 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.72 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

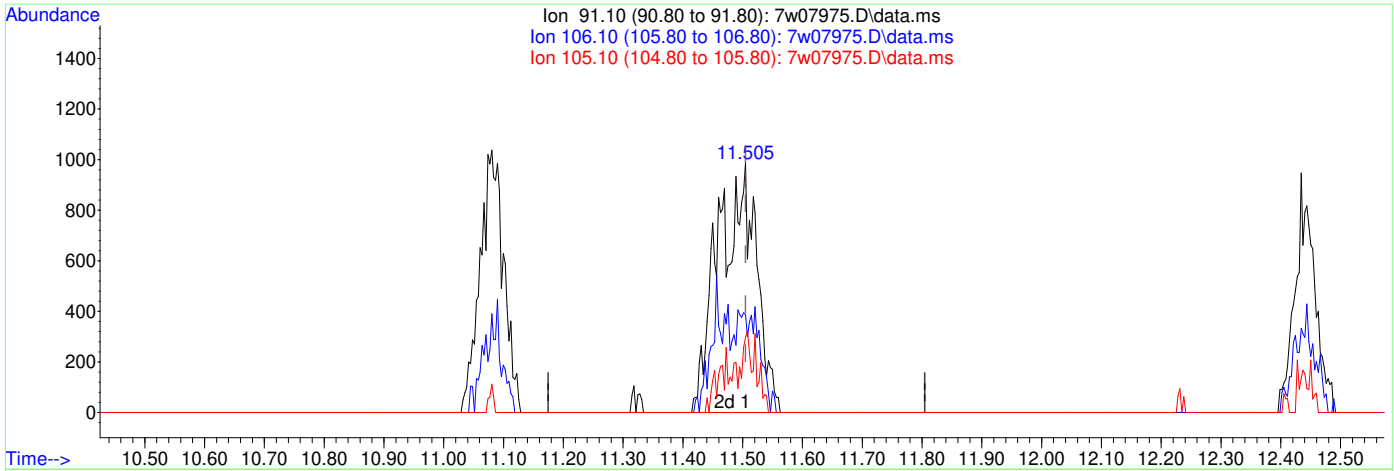
response 2415

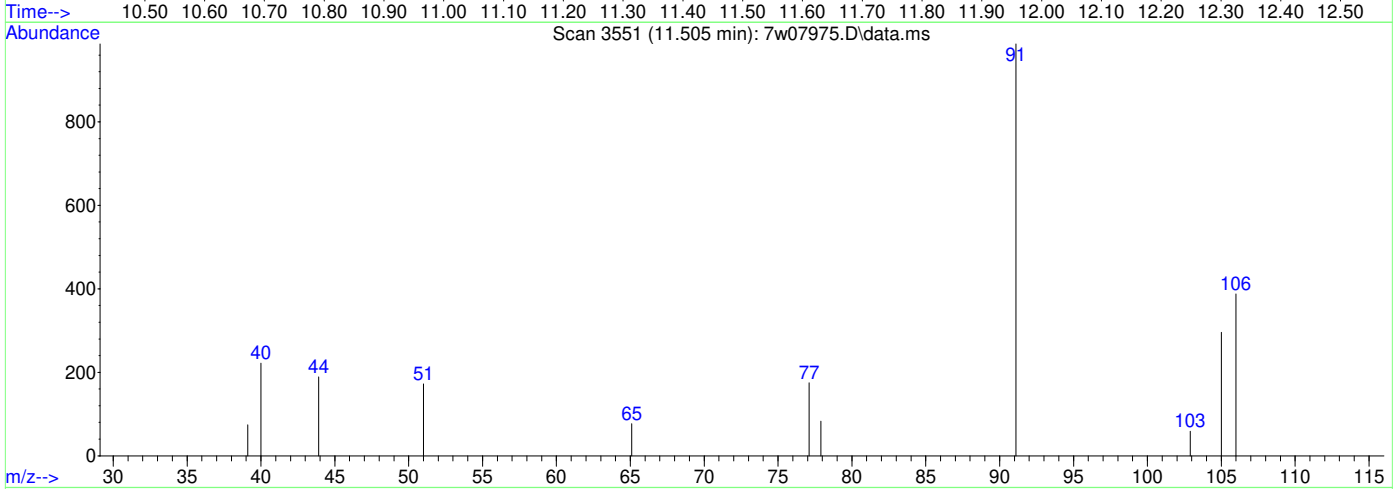
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 17.97 |
| 105.10 | 11.30 | 30.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

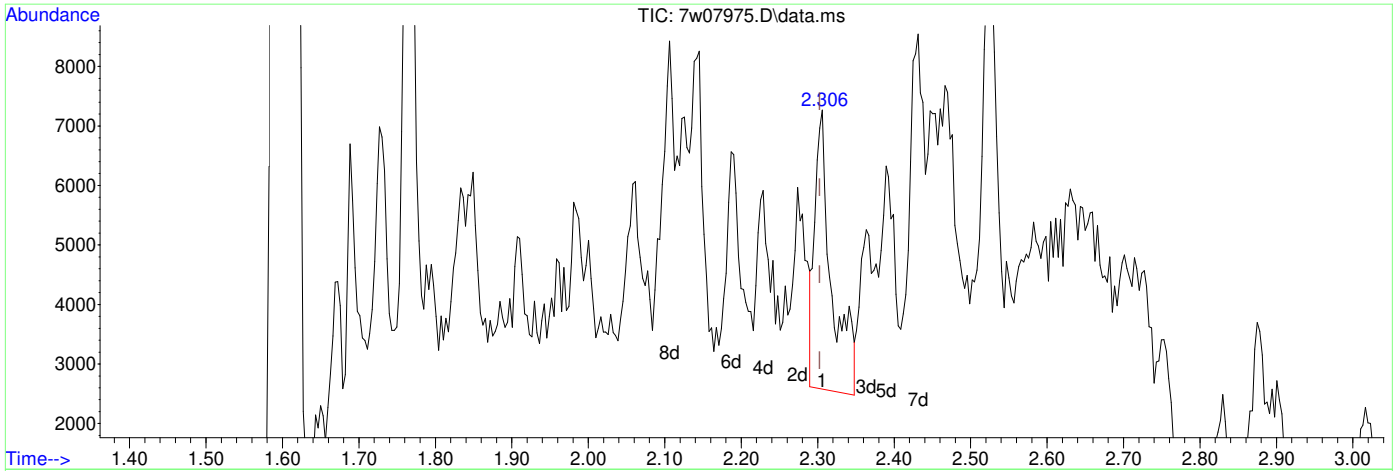
response 4346

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 9.99 |
| 105.10 | 11.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

response 7138

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

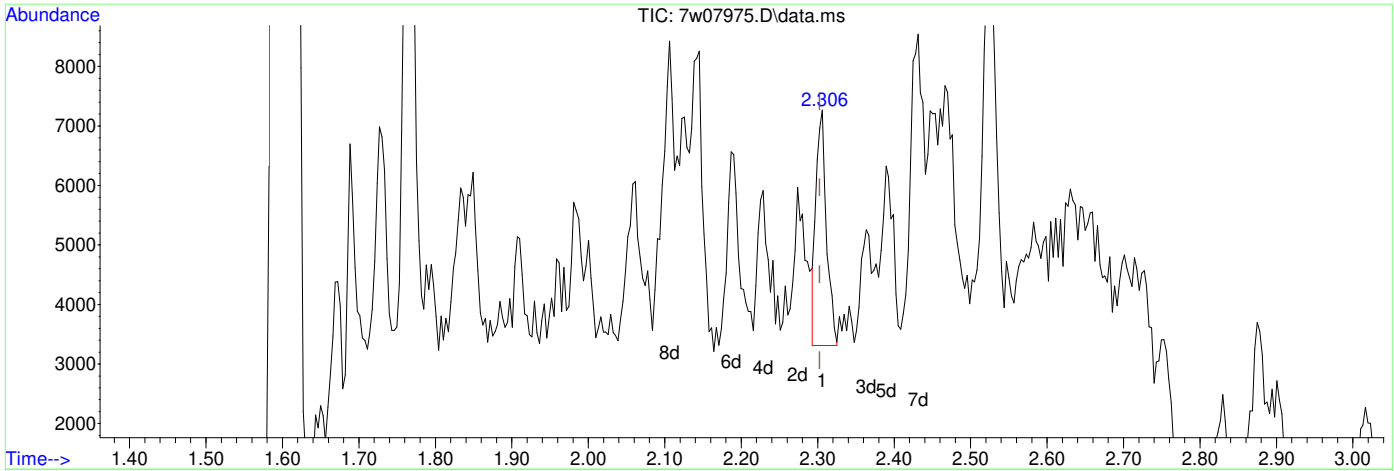


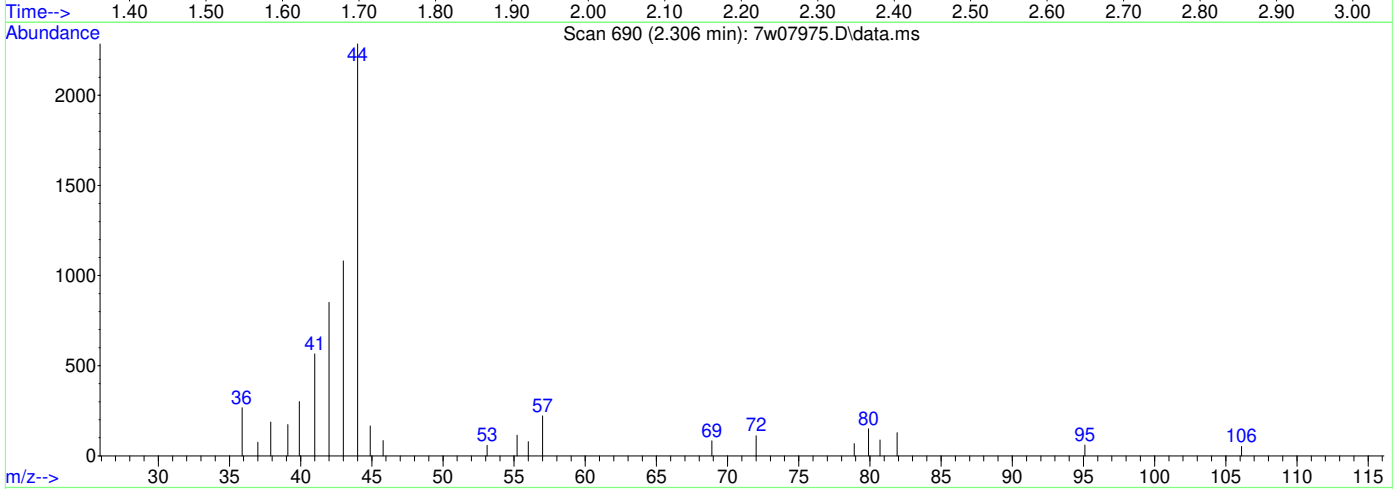
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

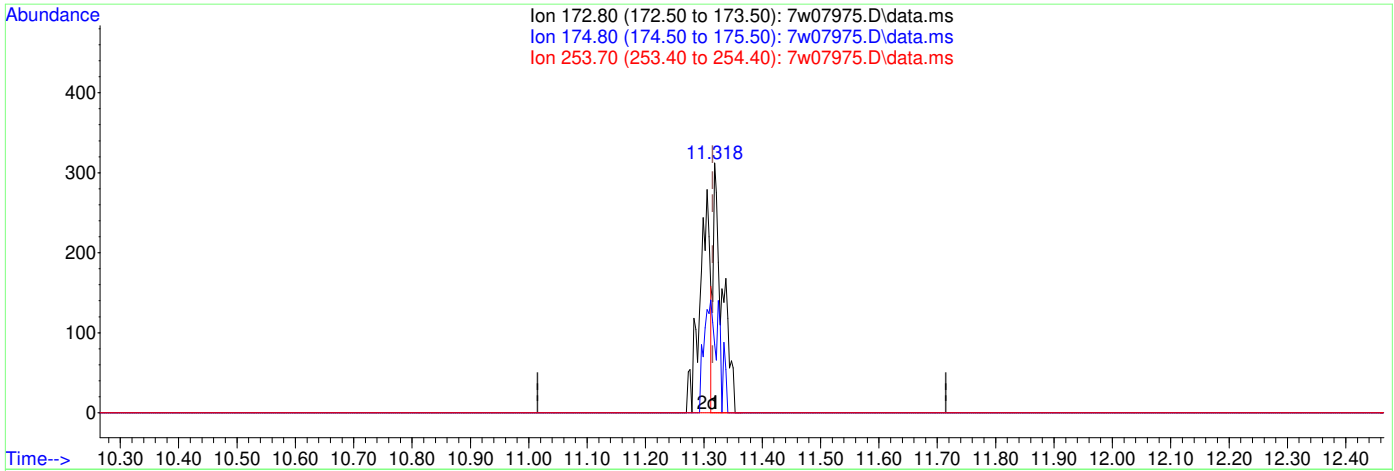
response 3733

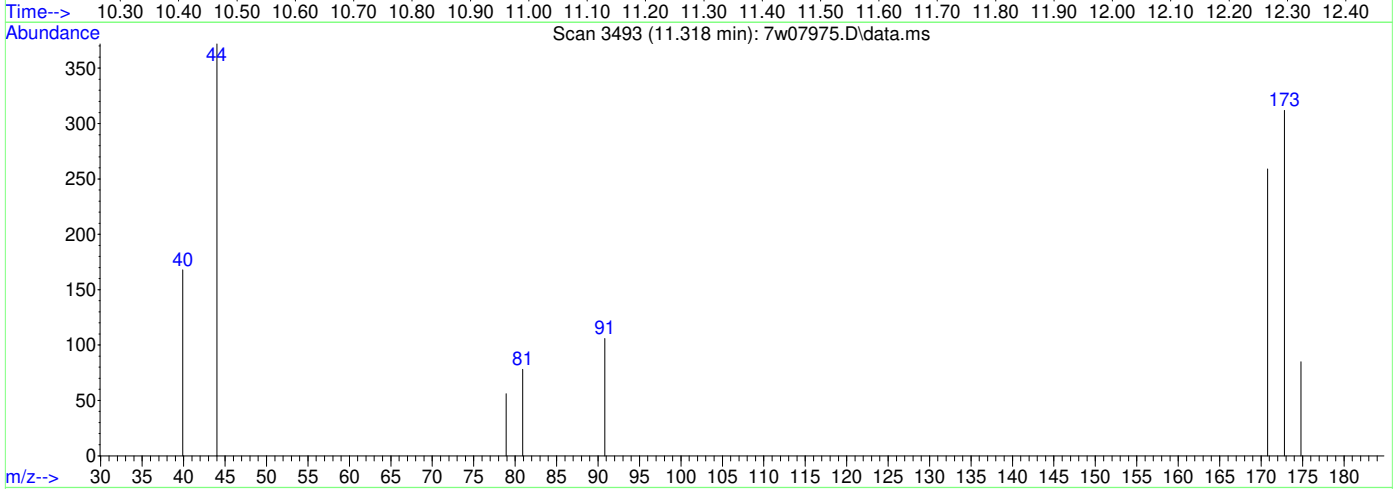
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

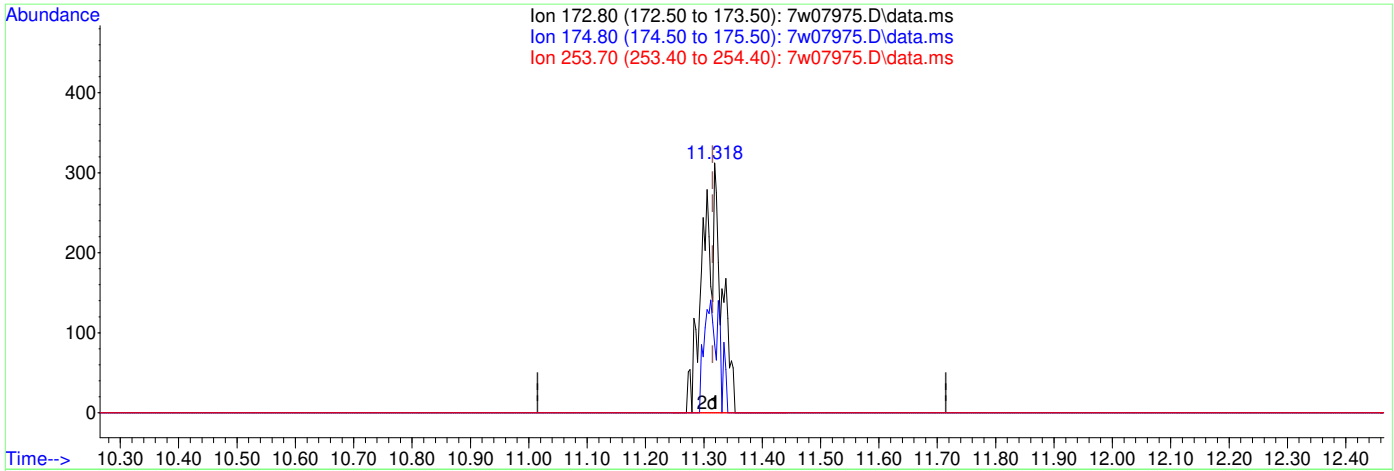
response 343

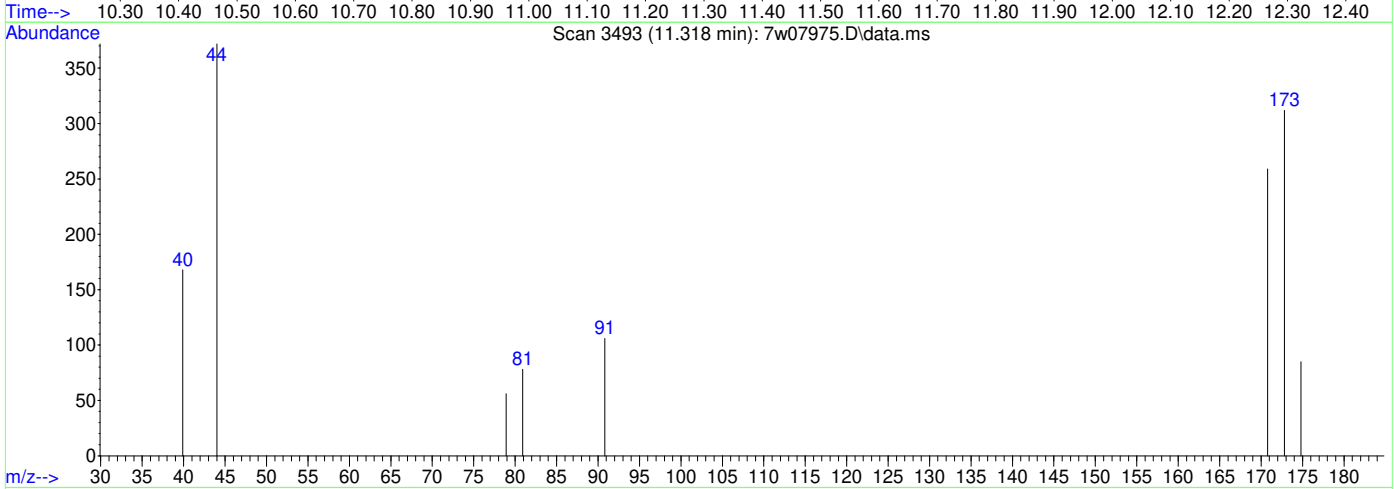
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 73.76# |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

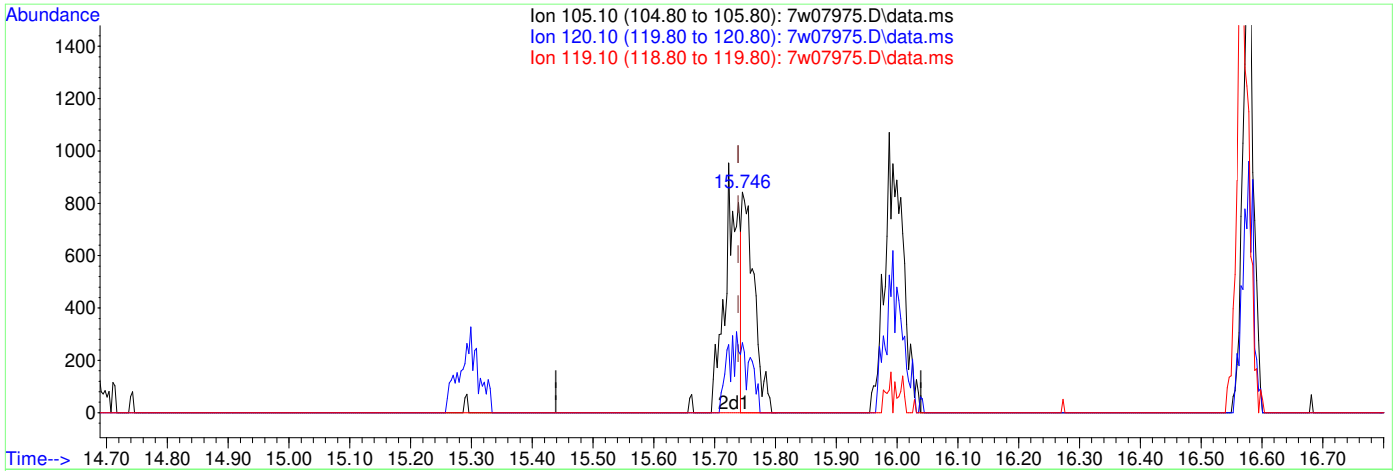
response 690

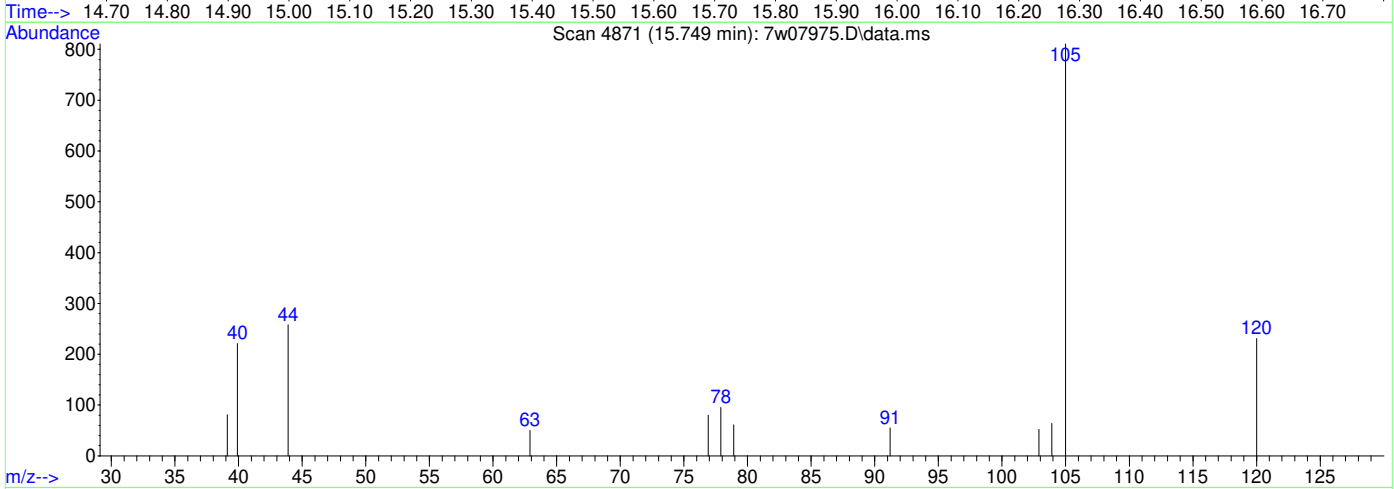
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 36.67 |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

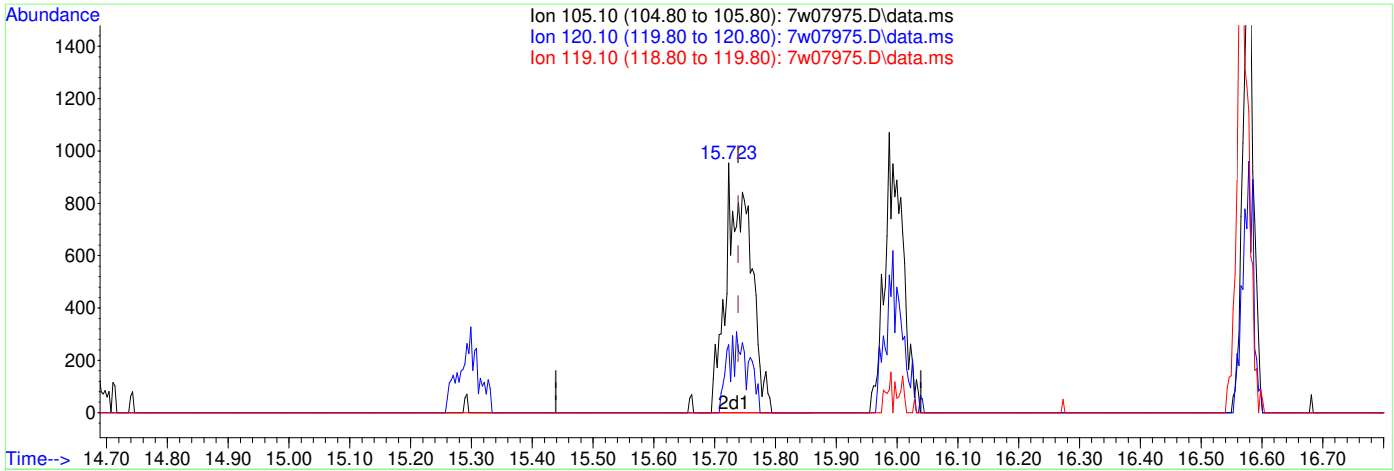
response 1190

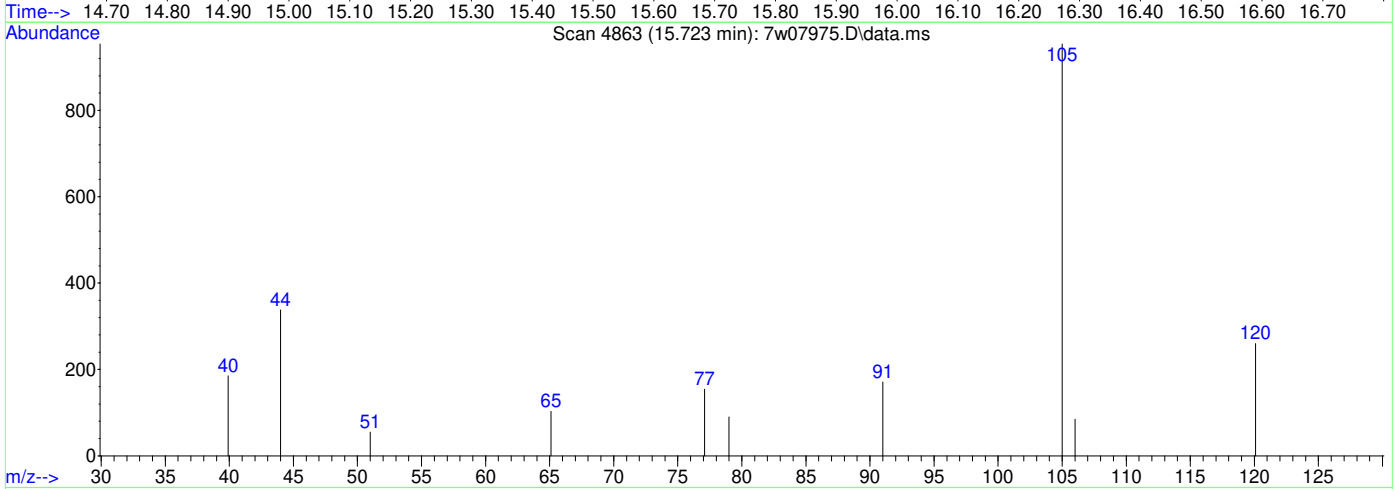
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 59.66# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 26.72 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 426374 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 372534 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 268355 | 9.65 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 1189 | 0.11 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 621 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 284 | 0.10 | PPBV | | 86 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 1478 | 0.11 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 3366 | 0.09 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 1040 | 0.13 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 2851 | 0.09 | PPBV | # | 85 |
| 9) FREON 114 | 1.762 | 85 | 3135 | 0.10 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 472 | 0.09 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 1305 | 0.09 | PPBV | # | 96 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 1195 | 0.09 | PPBV | # | 79 |
| 13) N-BUTANE | 1.849 | 43 | 2166 | 0.09 | PPBV | # | 55 |
| 14) BROMOMETHANE | 1.907 | 94 | 1159 | 0.10 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 645 | 0.08 | PPBV | # | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 2615 | 0.09 | PPBV | | 90 |
| 17) ACETONITRILE | 2.055 | 41 | 1535 | 0.10 | PPBV | # | 70 |
| 18) ACROLEIN | 2.097 | 56 | 855 | 0.11 | PPBV | | 79 |
| 19) FREON 123 | 2.106 | 83 | 2595 | 0.08 | PPBV | | 91 |
| 20) FREON 123A | 2.122 | 117 | 1623 | 0.09 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 3104 | 0.09 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.232 | 45 | 3464 | 0.09 | PPBV | # | 96 |
| 23) ACETONE | 2.142 | 58 | 1367 | 0.13 | PPBV | | 81 |
| 24) PENTANE | 2.299 | 42 | 1690 | 0.09 | PPBV | | 94 |
| 25) IODOMETHANE | 2.367 | 142 | 2692 | 0.09 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 1212 | 0.09 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 3323 | 0.09 | PPBV | # | 2 |
| 28) ETHANOL | 1.997 | 45 | 1564 | 0.18 | PPBV | # | 91 |
| 29) BROMOETHENE | 2.061 | 106 | 1012 | 0.08 | PPBV | # | 91 |
| 30) ACRYLONITRILE | 2.277 | 52 | 1142 | 0.09 | PPBV | | 88 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 1614 | 0.13 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.467 | 76 | 615 | 0.09 | PPBV | # | 34 |
| 33) FREON 113 | 2.524 | 151 | 1786 | 0.09 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 1124 | 0.09 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.454 | 59 | 2814 | 0.09 | PPBV | # | 1 |
| 36) METHYL TERTIARY BUTYL ... | 2.875 | 73 | 2894 | 0.10 | PPBV | # | 83 |
| 37) TETRAHYDROFURAN | 3.589 | 72 | 550 | 0.11 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 2328 | 0.10 | PPBV | | 95 |
| 39) VINYL ACETATE | 2.897 | 86 | 238 | 0.10 | PPBV | # | 28 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 2094 | 0.10 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 631 | 0.12 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 1257 | 0.11 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 665 | 0.11 | PPBV | | 91 |
| 44) ETHYL ACETATE | 3.348 | 61 | 500 | 0.11 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 2546 | 0.09 | PPBV | | 96 |
| 46) CHLOROFORM | 3.338 | 83 | 2546 | 0.11 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.830 | 57 | 2770 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 2268 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 2109 | 0.10 | PPBV | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 1979 | 0.11 | PPBV | | 94 |
| 51) | BENZENE | 4.225 | 78 | 4011 | 0.12 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 1594 | 0.11 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.675 | 71 | 764 | 0.10 | PPBV | | 78 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 1772 | 0.11 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 1565 | 0.11 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 1541 | 0.11 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.029 | 55 | 3169 | 0.10 | PPBV | | 98 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 2410 | 0.10 | PPBV | | 89 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.212 | 57 | 7392 | 0.10 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 5.245 | 88 | 791 | 0.10 | PPBV | # | 31 |
| 62) | HEPTANE | 5.534 | 43 | 2624 | 0.10 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 1358 | 0.10 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.209 | 58 | 1670 | 0.11 | PPBV | | 85 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 1749 | 0.09 | PPBV | | 95 |
| 66) | TOLUENE | 7.257 | 91 | 4699 | 0.11 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 2200 | 0.10 | PPBV | | 94 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 1161 | 0.07 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 1330 | 0.11 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.891 | 58 | 2802 | 0.12 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.990 | 69 | 2017 | 0.09 | PPBV | # | 29 |
| 72) | TETRACHLOROETHENE | 8.987 | 164 | 1787 | 0.11 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.791 | 129 | 2184 | 0.11 | PPBV | | 96 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 2144 | 0.10 | PPBV | # | 93 |
| 75) | OCTANE | 9.145 | 43 | 4023 | 0.11 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 1614 | 0.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 3946 | 0.12 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 6395 | 0.11 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.502 | 91 | 9776m | 0.24 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 5001 | 0.12 | PPBV | | 96 |
| 82) | STYRENE | 12.231 | 104 | 3528 | 0.11 | PPBV | | 97 |
| 83) | NONANE | 13.569 | 43 | 4019 | 0.11 | PPBV | | 98 |
| 84) | BROMOFORM | 11.309 | 173 | 1656 | 0.09 | PPBV | # | 94 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 3311 | 0.11 | PPBV | # | 27 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.730 | 75 | 2751 | 0.12 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.964 | 120 | 1945 | 0.12 | PPBV | | 89 |
| 89) | BROMOBENZENE | 13.813 | 77 | 3458 | 0.11 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.948 | 126 | 1559 | 0.11 | PPBV | | 93 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 1817 | 0.11 | PPBV | # | 78 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 6120 | 0.10 | PPBV | # | 75 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.000 | 105 | 5446 | 0.10 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 2523 | 0.09 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 1313 | 0.10 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 5507 | 0.09 | PPBV | | 97 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 1270 | 0.05 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.636 | 146 | 3586 | 0.10 | PPBV | | 93 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 3820 | 0.10 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.041 | 146 | 3498 | 0.10 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 1720 | 0.10 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 5572 | 0.10 | PPBV | | 97 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 1842 | 0.10 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 1626 | 0.09 | PPBV | | 90 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 1235 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 2528 | 0.10 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 3381 | 0.14 | PPBV | | 97 |
| 108) | NAPHTHALENE | 18.395 | 128 | 9159 | 0.16 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 8184 | 0.10 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

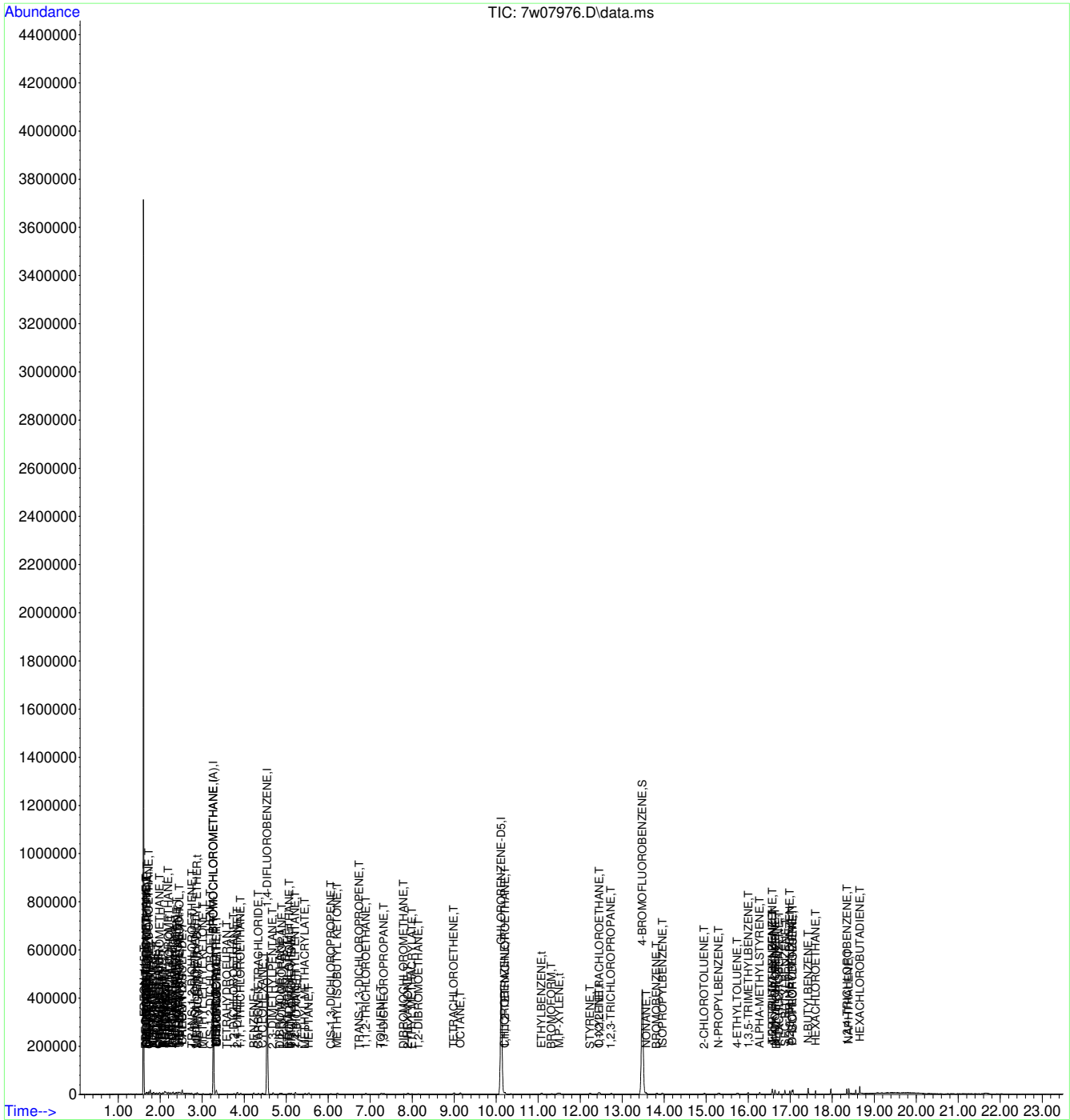
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



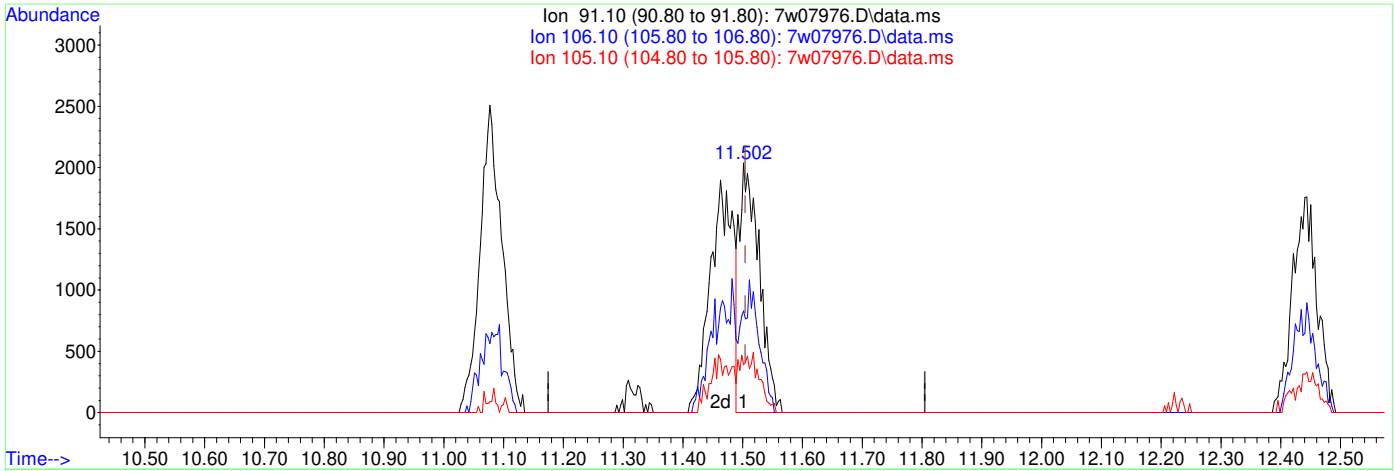
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07976.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:13 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

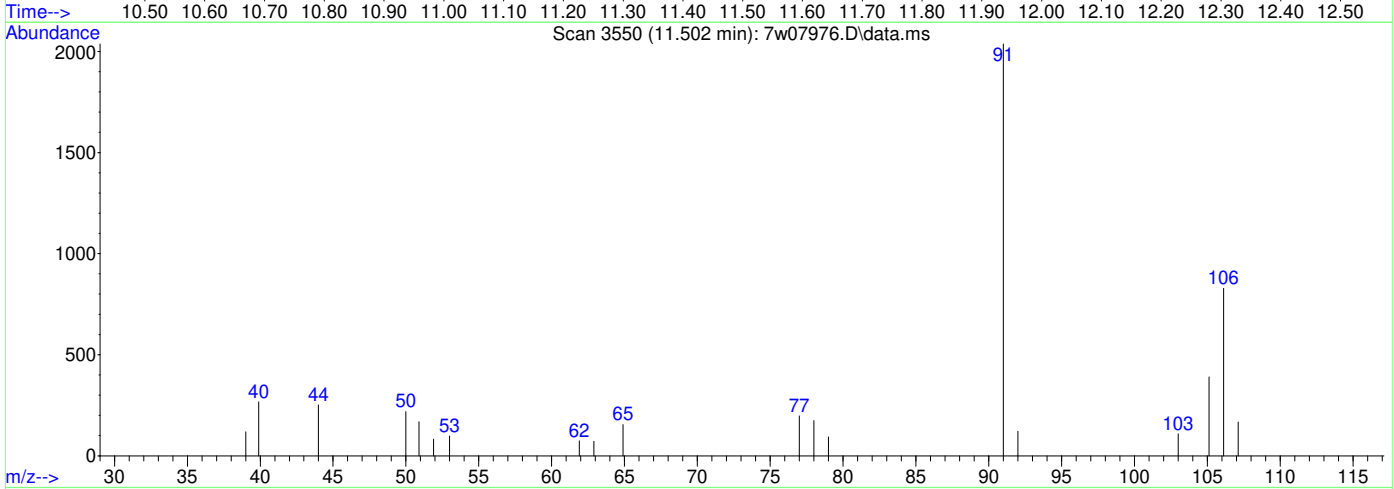
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.55 |
| 105.10 | 11.30 | 23.24 |
| 0.00 | 0.00 | 0.00 |

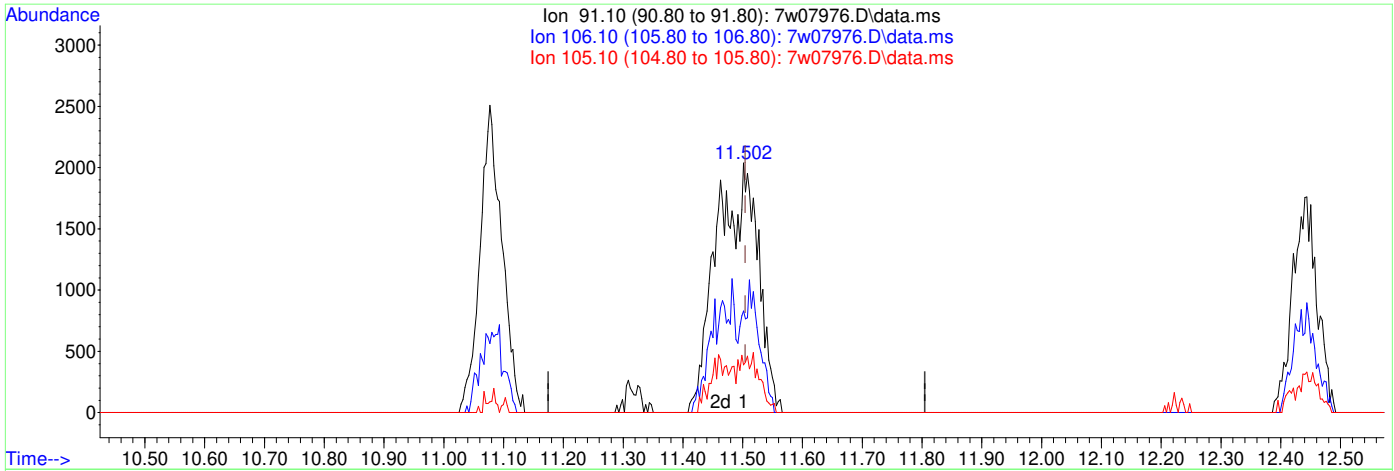


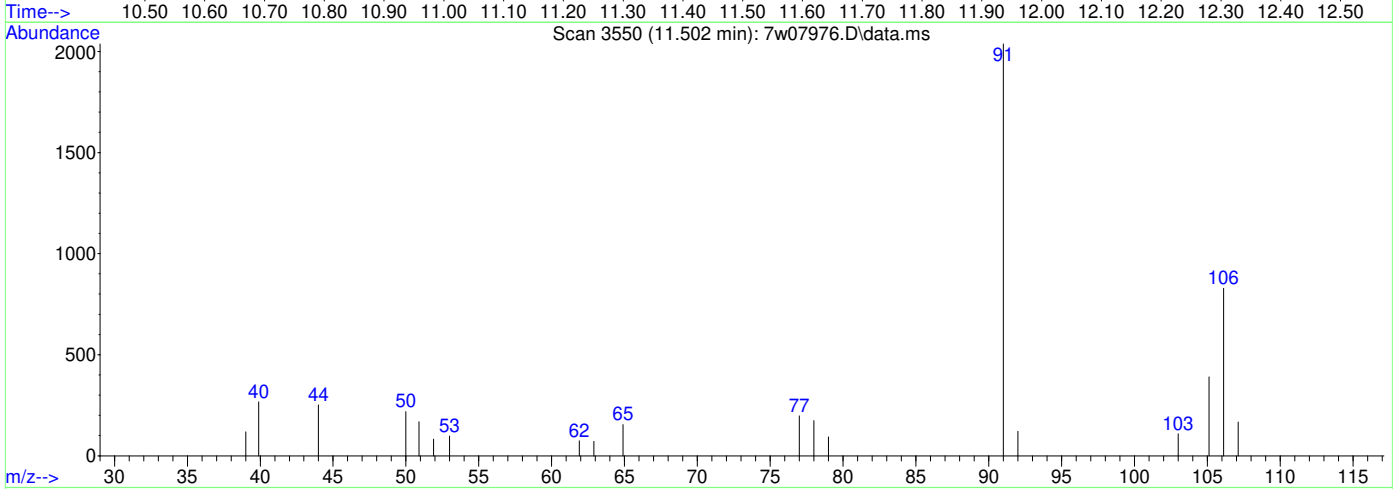
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.15 |
| 105.10 | 11.30 | 11.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 417480 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 367012 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 264802 | 9.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 2326 | 0.21 | PPBV | | 94 |
| 3) FREON 152A | 1.647 | 65 | 1163 | 0.19 | PPBV | | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 602 | 0.23 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 2630 | 0.21 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 6840 | 0.19 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 1717 | 0.21 | PPBV | | 94 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 5757 | 0.18 | PPBV | | 91 |
| 9) FREON 114 | 1.759 | 85 | 5769 | 0.18 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.727 | 52 | 850 | 0.17 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 2663 | 0.18 | PPBV | | 96 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 2375 | 0.19 | PPBV | | 94 |
| 13) N-BUTANE | 1.846 | 43 | 4070 | 0.17 | PPBV | # | 79 |
| 14) BROMOMETHANE | 1.907 | 94 | 2219 | 0.19 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 1401 | 0.17 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 5439 | 0.19 | PPBV | | 99 |
| 17) ACETONITRILE | 2.055 | 41 | 3149 | 0.21 | PPBV | | 93 |
| 18) ACROLEIN | 2.094 | 56 | 1372 | 0.19 | PPBV | | 89 |
| 19) FREON 123 | 2.103 | 83 | 5470 | 0.17 | PPBV | | 98 |
| 20) FREON 123A | 2.123 | 117 | 3145 | 0.18 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 5923 | 0.18 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 6150 | 0.16 | PPBV | | 100 |
| 23) ACETONE | 2.139 | 58 | 2159 | 0.22 | PPBV | | 100 |
| 24) PENTANE | 2.299 | 42 | 3022 | 0.16 | PPBV | | 96 |
| 25) IODOMETHANE | 2.361 | 142 | 5432 | 0.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 2330 | 0.18 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 6551 | 0.18 | PPBV | # | 31 |
| 28) ETHANOL | 2.000 | 45 | 2022 | 0.24 | PPBV | | 87 |
| 29) BROMOETHENE | 2.058 | 106 | 2034 | 0.17 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.277 | 52 | 2439 | 0.18 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 2696 | 0.22 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 1256 | 0.18 | PPBV | # | 56 |
| 33) FREON 113 | 2.521 | 151 | 3632 | 0.19 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.750 | 96 | 2164 | 0.18 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.451 | 59 | 5152 | 0.16 | PPBV | # | 60 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 5623 | 0.21 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.582 | 72 | 1097 | 0.23 | PPBV | | 95 |
| 38) HEXANE | 3.322 | 57 | 4465 | 0.20 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.907 | 86 | 442 | 0.19 | PPBV | # | 41 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 4233 | 0.21 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 1161 | 0.22 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 2366 | 0.22 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 1113 | 0.18 | PPBV | | 76 |
| 44) ETHYL ACETATE | 3.344 | 61 | 910 | 0.22 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 4855 | 0.19 | PPBV | # | 25 |
| 46) CHLOROFORM | 3.338 | 83 | 4898 | 0.22 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 4922 | 0.20 | PPBV | | 96 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 4147 | 0.20 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 4013 | 0.20 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.746 | 62 | 3831 | 0.22 | PPBV | | 98 |
| 51) BENZENE | 4.222 | 78 | 7289 | 0.22 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.434 | 84 | 3089 | 0.22 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.682 | 71 | 1631 | 0.22 | PPBV | | 93 |
| 55) TRICHLOROETHENE | 5.119 | 95 | 3128 | 0.21 | PPBV | | 95 |
| 56) 1,2-DICHLOROPROPANE | 4.888 | 63 | 2838 | 0.20 | PPBV | | 95 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 2782 | 0.20 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 5.020 | 55 | 6089 | 0.20 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.065 | 83 | 4748 | 0.20 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 14752 | 0.21 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.222 | 88 | 2233 | 0.23 | PPBV | # | 1 |
| 62) HEPTANE | 5.534 | 43 | 5290 | 0.21 | PPBV | | 97 |
| 63) METHYL METHACRYLATE | 5.441 | 69 | 2733 | 0.22 | PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 6.216 | 58 | 3415 | 0.22 | PPBV | | 98 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 3343 | 0.18 | PPBV | | 95 |
| 66) TOLUENE | 7.264 | 91 | 9195 | 0.22 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.319 | 76 | 4502 | 0.22 | PPBV | | 98 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 2208 | 0.14 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.891 | 83 | 2480 | 0.21 | PPBV | | 97 |
| 70) 2-HEXANONE | 7.888 | 58 | 5066 | 0.18 | PPBV | | 93 |
| 71) ETHYL METHACRYLATE | 7.984 | 69 | 4055 | 0.20 | PPBV | | 98 |
| 72) TETRACHLOROETHENE | 8.991 | 164 | 3549 | 0.22 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.794 | 129 | 4142 | 0.21 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.135 | 107 | 4391 | 0.22 | PPBV | # | 98 |
| 75) OCTANE | 9.135 | 43 | 7595 | 0.22 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 2986 | 0.19 | PPBV | | 98 |
| 78) CHLOROBENZENE | 10.199 | 112 | 7462 | 0.23 | PPBV | | 97 |
| 79) ETHYLBENZENE | 11.077 | 91 | 12480 | 0.20 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.498 | 91 | 18766m | 0.43 | PPBV | | |
| 81) O-XYLENE | 12.447 | 91 | 9653 | 0.23 | PPBV | | 87 |
| 82) STYRENE | 12.235 | 104 | 6881 | 0.23 | PPBV | | 100 |
| 83) NONANE | 13.563 | 43 | 7639 | 0.22 | PPBV | | 96 |
| 84) BROMOFORM | 11.322 | 173 | 3470 | 0.19 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 6952 | 0.23 | PPBV | | 97 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 5179 | 0.22 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 3629 | 0.22 | PPBV | | 97 |
| 89) BROMOBENZENE | 13.820 | 77 | 6828 | 0.23 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 14.955 | 126 | 3019 | 0.20 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.305 | 120 | 3589 | 0.22 | PPBV | | 95 |
| 92) 4-ETHYLTOLUENE | 15.746 | 105 | 13103 | 0.20 | PPBV | # | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 10844 | 0.20 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.267 | 118 | 5388 | 0.20 | PPBV | | 97 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 2559 | 0.18 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.575 | 105 | 11120 | 0.19 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.665 | 91 | 2497 | 0.10 | PPBV | | 96 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 7185 | 0.20 | PPBV | | 99 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 7542 | 0.20 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.042 | 146 | 7199 | 0.20 | PPBV | | 100 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 3121 | 0.19 | PPBV | | 94 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 11396 | 0.20 | PPBV | # | 96 |
| 103) P-ISOPROPYLTOLUENE | 17.067 | 134 | 3732 | 0.21 | PPBV | | 91 |
| 104) N-BUTYLBENZENE | 17.427 | 134 | 3509 | 0.21 | PPBV | | 98 |
| 105) HEXACHLOROETHANE | 17.601 | 117 | 2451 | 0.14 | PPBV | | 97 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 4955 | 0.20 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 6745 | 0.33 | PPBV | | 98 |
| 108) NAPHTHALENE | 18.395 | 128 | 18097 | 0.38 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 17481 | 0.21 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

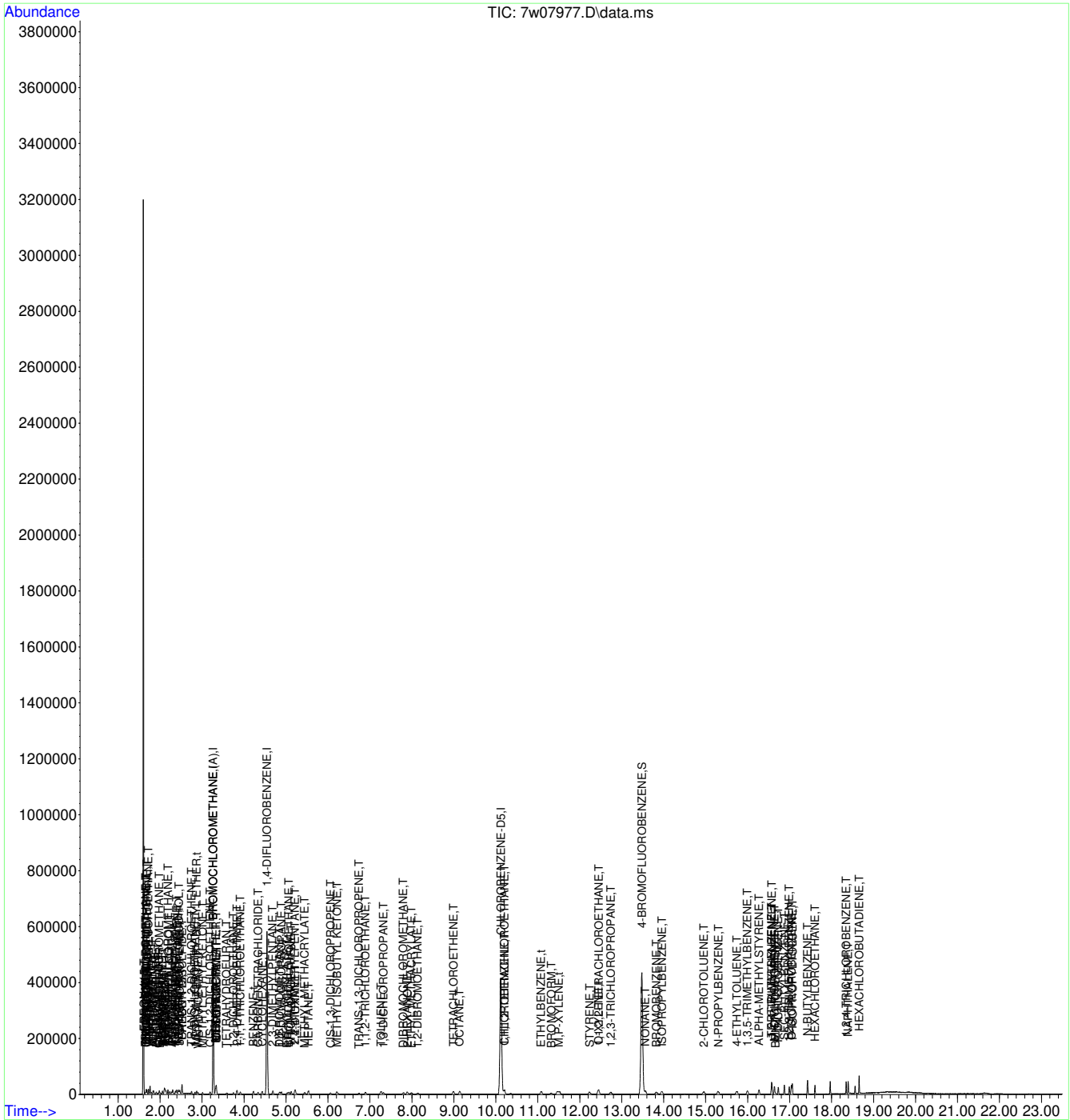
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



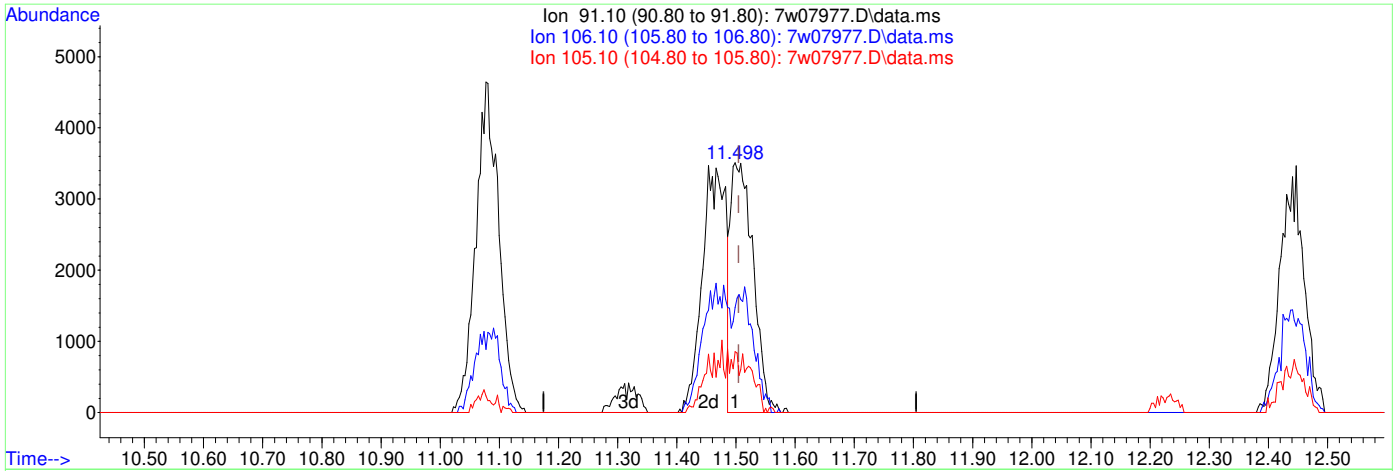
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07977.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:49 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

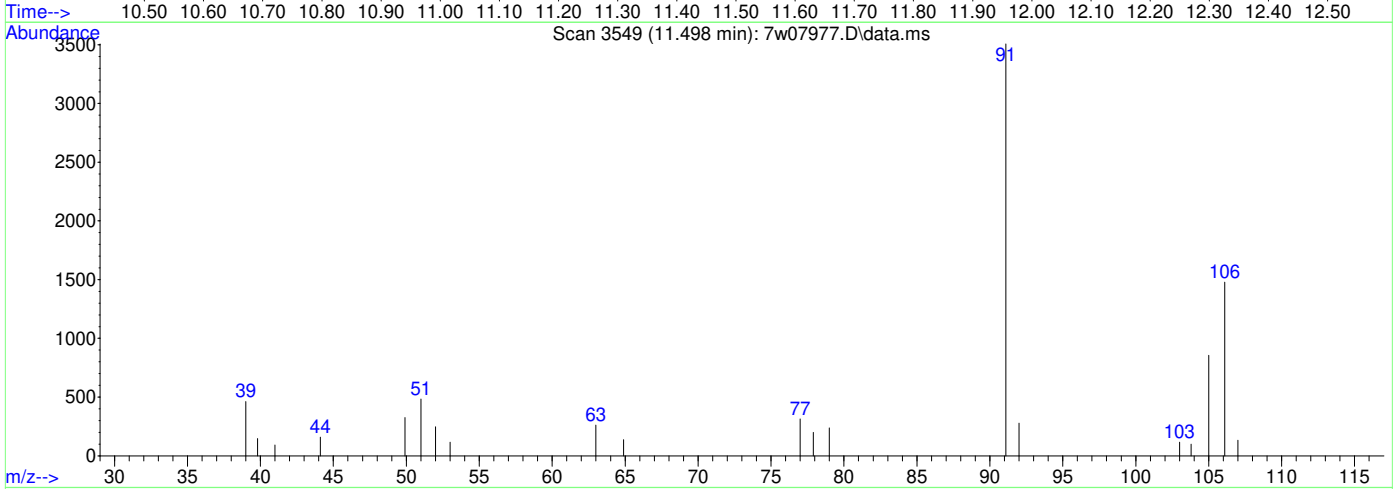
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

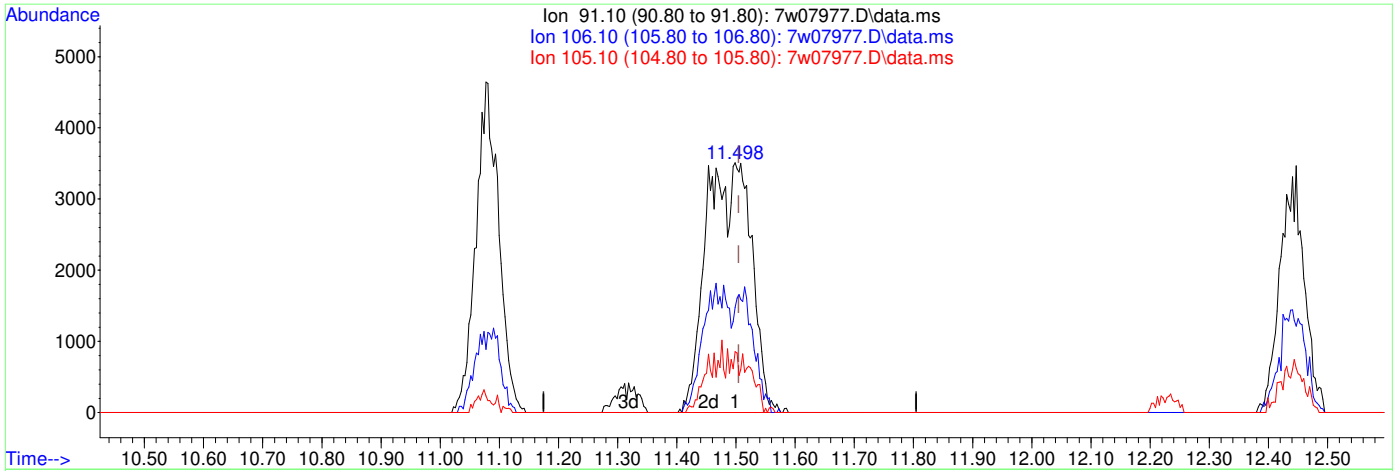
response 9375

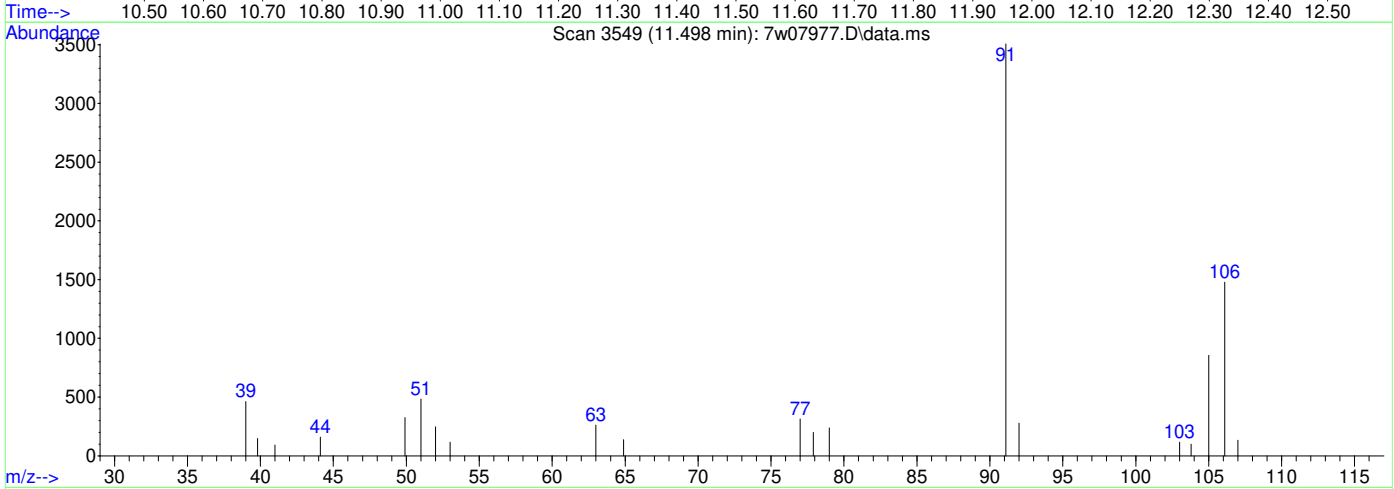
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.98 |
| 105.10 | 11.30 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.97 |
| 105.10 | 11.30 | 6.70 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410941 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 362110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262037 | 9.71 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 5861 | 0.54 | PPBV | | 96 |
| 3) FREON 152A | 1.644 | 65 | 3003 | 0.50 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 1485 | 0.58 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 6805 | 0.55 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 16795 | 0.46 | PPBV | | 99 |
| 7) PROPYLENE | 1.666 | 41 | 3977 | 0.50 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 14549 | 0.46 | PPBV | | 96 |
| 9) FREON 114 | 1.759 | 85 | 15134 | 0.48 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 2035 | 0.41 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 6673 | 0.44 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 5500 | 0.43 | PPBV | | 95 |
| 13) N-BUTANE | 1.846 | 43 | 10568 | 0.42 | PPBV | # | 90 |
| 14) BROMOMETHANE | 1.907 | 94 | 5484 | 0.48 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 3547 | 0.44 | PPBV | | 94 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 13608 | 0.47 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 6551 | 0.44 | PPBV | | 92 |
| 18) ACROLEIN | 2.094 | 56 | 3046 | 0.40 | PPBV | | 95 |
| 19) FREON 123 | 2.103 | 83 | 13299 | 0.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 8058 | 0.46 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.184 | 101 | 15424 | 0.46 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 14044 | 0.37 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 4080 | 0.40 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 7472 | 0.39 | PPBV | | 98 |
| 25) IODOMETHANE | 2.361 | 142 | 13827 | 0.46 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 5730 | 0.43 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 16067 | 0.43 | PPBV | # | 66 |
| 28) ETHANOL | 1.994 | 45 | 4627 | 0.45 | PPBV | # | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 5247 | 0.44 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.274 | 52 | 5669 | 0.41 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 5894 | 0.48 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 2755 | 0.38 | PPBV | # | 37 |
| 33) FREON 113 | 2.521 | 151 | 8992 | 0.46 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 5687 | 0.48 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.444 | 59 | 13081 | 0.39 | PPBV | # | 64 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 13772 | 0.51 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 3.576 | 72 | 2595 | 0.57 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 10976 | 0.50 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.898 | 86 | 1009 | 0.43 | PPBV | # | 29 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 10432 | 0.51 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 2909 | 0.56 | PPBV | | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 6101 | 0.59 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 3049 | 0.51 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.341 | 61 | 2059 | 0.51 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 12344 | 0.48 | PPBV | | 97 |
| 46) CHLOROFORM | 3.341 | 83 | 12161 | 0.57 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 12901 | 0.55 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 10591 | 0.52 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 10121 | 0.53 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 9567 | 0.57 | PPBV | | 98 |
| 51) | BENZENE | 4.219 | 78 | 17995 | 0.55 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 7811 | 0.56 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.685 | 71 | 4068 | 0.57 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 8046 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 7243 | 0.52 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 6875 | 0.51 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.023 | 55 | 14562 | 0.49 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 11794 | 0.51 | PPBV | | 91 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.213 | 57 | 35817 | 0.52 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.209 | 88 | 5137 | 0.55 | PPBV | # | 6 |
| 62) | HEPTANE | 5.534 | 43 | 12581 | 0.52 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 6275 | 0.51 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.196 | 58 | 7744 | 0.52 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 8234 | 0.44 | PPBV | | 96 |
| 66) | TOLUENE | 7.261 | 91 | 22485 | 0.55 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 11161 | 0.55 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 5585 | 0.36 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 6324 | 0.55 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.878 | 58 | 12049 | 0.43 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.981 | 69 | 9663 | 0.47 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 7989 | 0.51 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.795 | 129 | 10588 | 0.54 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.132 | 107 | 10784 | 0.55 | PPBV | # | 100 |
| 75) | OCTANE | 9.139 | 43 | 17732 | 0.53 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.203 | 131 | 7115 | 0.46 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 18568 | 0.58 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 30468 | 0.51 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.508 | 91 | 46842m | 1.05 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 23828 | 0.59 | PPBV | | 94 |
| 82) | STYRENE | 12.225 | 104 | 17160 | 0.60 | PPBV | | 99 |
| 83) | NONANE | 13.560 | 43 | 19013 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 9340 | 0.52 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.450 | 83 | 16754 | 0.57 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 13531 | 0.60 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.945 | 120 | 8698 | 0.54 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 17048 | 0.58 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 8051 | 0.55 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.302 | 120 | 9156 | 0.58 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 32633 | 0.53 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 27233 | 0.51 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 13680 | 0.52 | PPBV | | 96 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 6648 | 0.48 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 28271 | 0.50 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.666 | 91 | 6446 | 0.26 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 18160 | 0.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 18687 | 0.53 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 17767 | 0.53 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 8265 | 0.51 | PPBV | | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 27828 | 0.52 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 8738 | 0.50 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 8723 | 0.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 6412 | 0.37 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 12496 | 0.54 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 16068 | 0.91 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 47796 | 1.26 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 40854 | 0.48 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

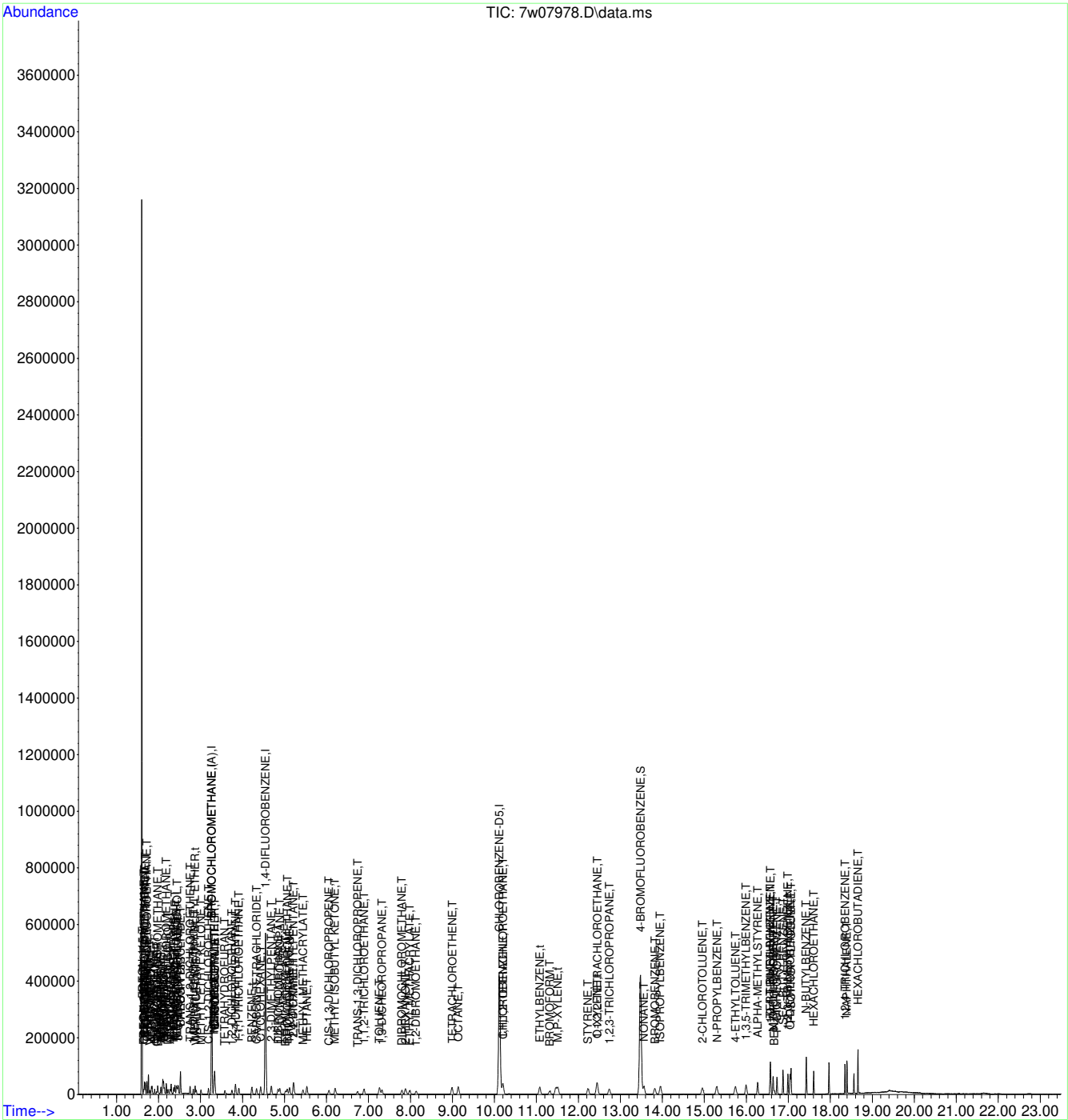
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



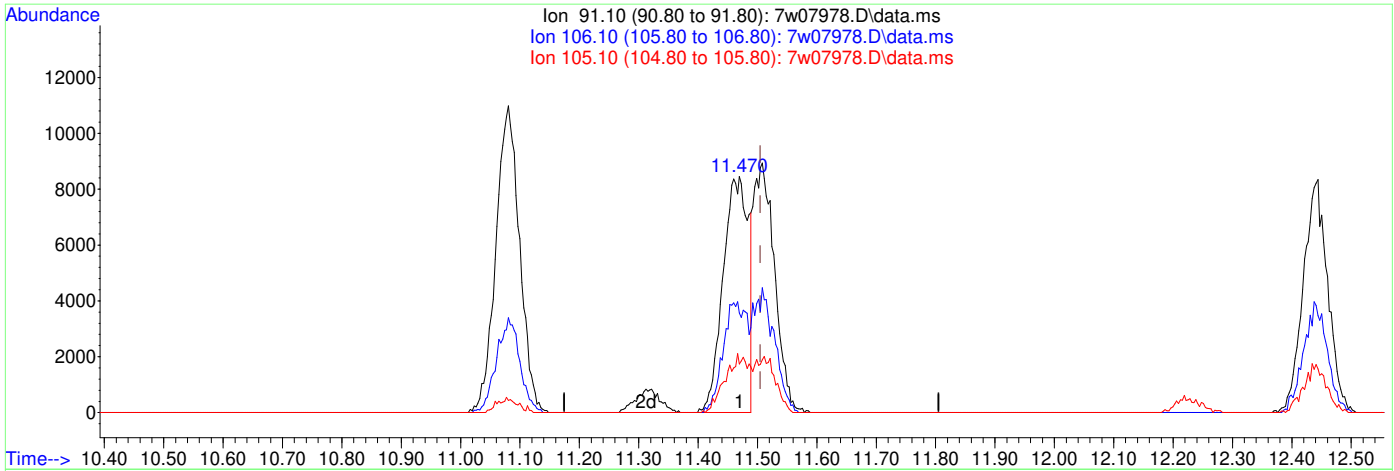
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07978.D | **Analyst approved:** | 08/19/24 10:01 Benjamin Kim |
| **Injection Time:** | 08/18/24 23:22 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

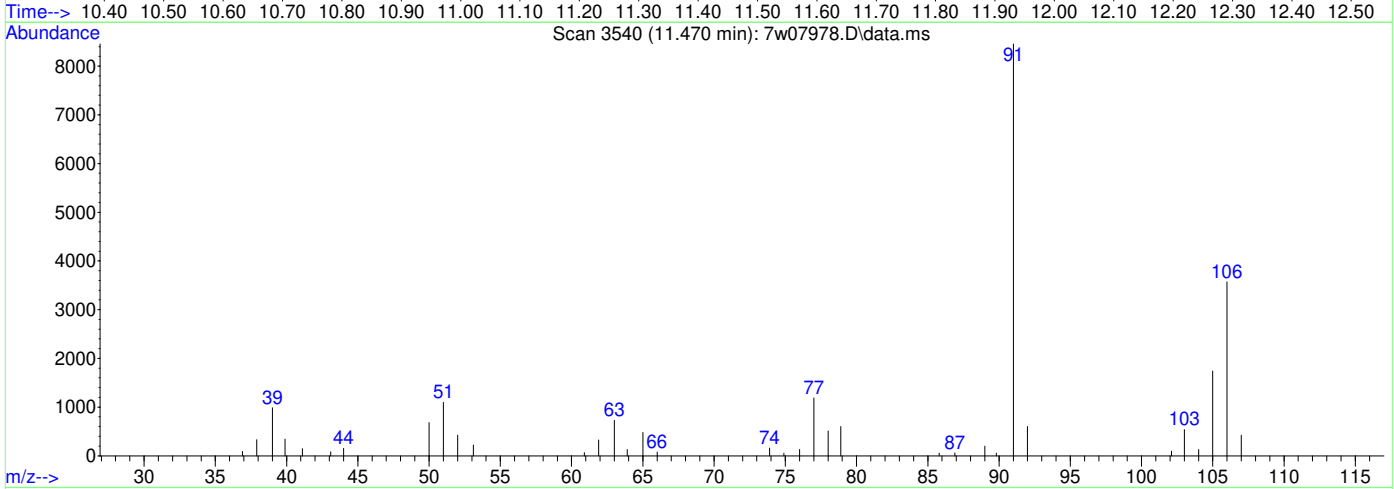
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.51 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

response 25047

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 46.05 |
| 105.10 | 11.30 | 22.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
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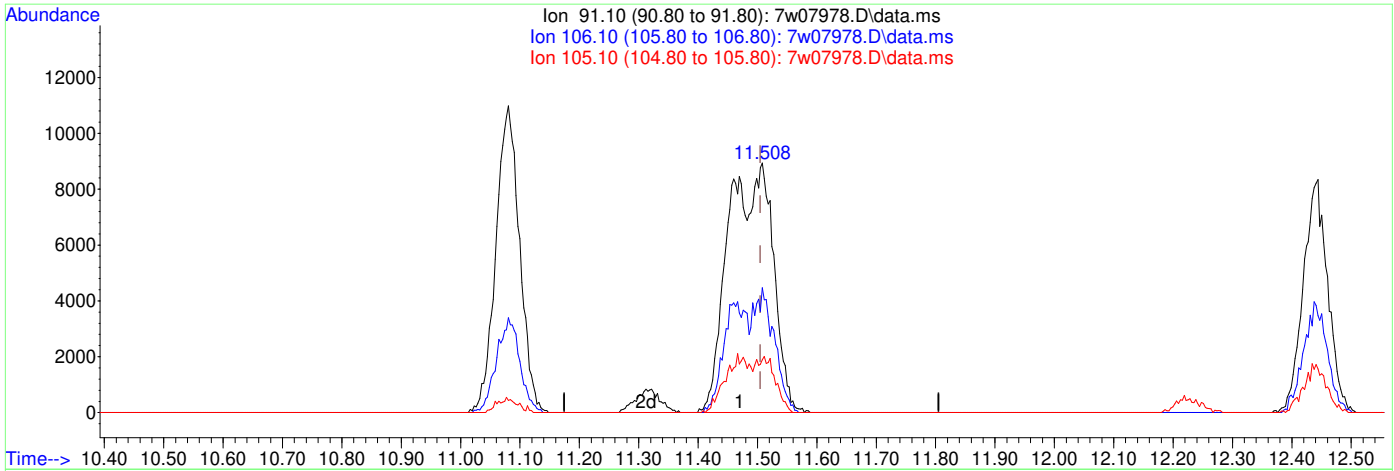
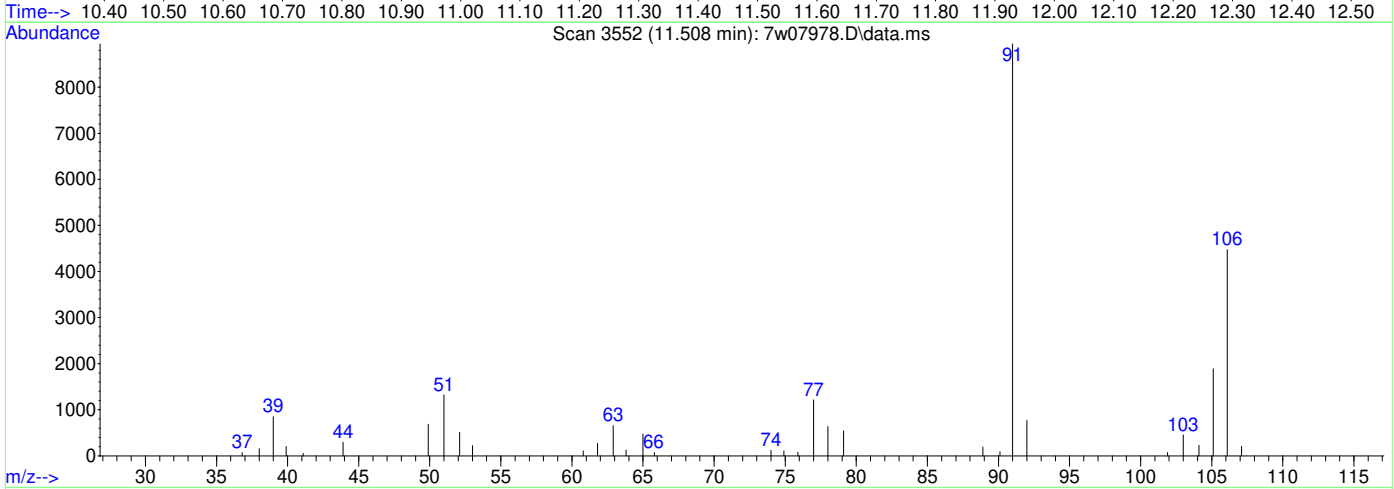
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 24.63 |
| 105.10 | 11.30 | 12.07 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81466 | 10.00 | PPBV | # | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410025 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 361102 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81464 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 265954 | 9.38 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 27379 | 2.27 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 29000 | 4.67 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 13506 | 5.10 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 64600 | 5.12 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 169247 | 4.50 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 38377 | 4.63 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 140419 | 4.23 | PPBV | | 96 |
| 9) FREON 114 | 1.762 | 85 | 149365 | 4.52 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.733 | 52 | 19771 | 3.76 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 65999 | 4.14 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 54080 | 3.99 | PPBV | | 98 |
| 13) N-BUTANE | 1.849 | 43 | 100820 | 3.83 | PPBV | | 98 |
| 14) BROMOMETHANE | 1.910 | 94 | 51811 | 4.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 34723 | 4.05 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 132874 | 4.38 | PPBV | | 98 |
| 17) ACETONITRILE | 2.055 | 41 | 57811 | 3.60 | PPBV | | 100 |
| 18) ACROLEIN | 2.094 | 56 | 31088 | 3.87 | PPBV | | 99 |
| 19) FREON 123 | 2.106 | 83 | 133098 | 3.98 | PPBV | | 99 |
| 20) FREON 123A | 2.122 | 117 | 80453 | 4.36 | PPBV | | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 152287 | 4.27 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 129156 | 3.14 | PPBV | | 99 |
| 23) ACETONE | 2.135 | 58 | 35696 | 3.28 | PPBV | | 100 |
| 24) PENTANE | 2.303 | 42 | 71675 | 3.46 | PPBV | | 97 |
| 25) IODOMETHANE | 2.364 | 142 | 138967 | 4.41 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 56736 | 4.02 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 164494 | 4.33 | PPBV | | 99 |
| 28) ETHANOL | 1.994 | 45 | 36651 | 3.31 | PPBV | | 97 |
| 29) BROMOETHENE | 2.061 | 106 | 51262 | 4.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.277 | 52 | 52972 | 3.56 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 51833 | 3.97 | PPBV | | 86 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 28290 | 3.74 | PPBV | | 84 |
| 33) FREON 113 | 2.524 | 151 | 89281 | 4.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 52868 | 4.38 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.431 | 59 | 116326 | 3.23 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.868 | 73 | 136515 | 4.93 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 27131 | 5.79 | PPBV | | 90 |
| 38) HEXANE | 3.319 | 57 | 108490 | 4.76 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 11696 | 4.81 | PPBV | | 88 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 102265 | 4.89 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.000 | 72 | 28364 | 5.37 | PPBV | | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 57628 | 5.43 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 30846 | 4.96 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.331 | 61 | 21833 | 5.20 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 128213 | 4.81 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.341 | 83 | 118312 | 5.38 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 123753 | 5.06 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 103061 | 4.93 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 104096 | 5.26 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 90936 | 5.26 | PPBV | | 99 |
| 51) | BENZENE | 4.225 | 78 | 171826 | 5.13 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 75178 | 5.37 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 39970 | 5.61 | PPBV | | 86 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 78664 | 5.28 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 70308 | 4.98 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 65118 | 4.79 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 152697 | 5.12 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 124366 | 5.39 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 349151 | 5.05 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.164 | 88 | 45840 | 4.97 | PPBV | # | 83 |
| 62) | HEPTANE | 5.534 | 43 | 121341 | 4.96 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 65132 | 5.30 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.183 | 58 | 74156 | 4.92 | PPBV | | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 91819 | 4.90 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 218857 | 5.36 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 110082 | 5.46 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 66745 | 4.27 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 62252 | 5.39 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.855 | 58 | 112276 | 4.02 | PPBV | | 97 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 105592 | 5.14 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 77784 | 4.95 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 118229 | 5.98 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 111886 | 5.67 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 173169 | 5.12 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 78566 | 5.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 183185 | 5.81 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 299317 | 4.99 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.505 | 91 | 464302 | 10.48 | PPBV | | 99 |
| 81) | O-XYLENE | 12.437 | 91 | 236267 | 5.90 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 177117 | 6.24 | PPBV | | 99 |
| 83) | NONANE | 13.563 | 43 | 187166 | 5.08 | PPBV | | 97 |
| 84) | BROMOFORM | 11.315 | 173 | 101100 | 5.63 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 172204 | 5.90 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 133990 | 6.07 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 89542 | 5.64 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.823 | 77 | 164898 | 5.71 | PPBV | | 96 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 80136 | 5.58 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 93644 | 5.99 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 338018 | 5.58 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 282963 | 5.41 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 143668 | 5.58 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 67157 | 4.95 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 296095 | 5.30 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 79381m | 3.20 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 187655 | 5.45 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 191562 | 5.55 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 181198 | 5.52 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 84088 | 5.29 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 287527 | 5.46 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 92888 | 5.44 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 93747 | 5.91 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 82010 | 4.77 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 132649 | 5.96 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 178283 | 11.97 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 477399 | 16.43 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 356727 | 3.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

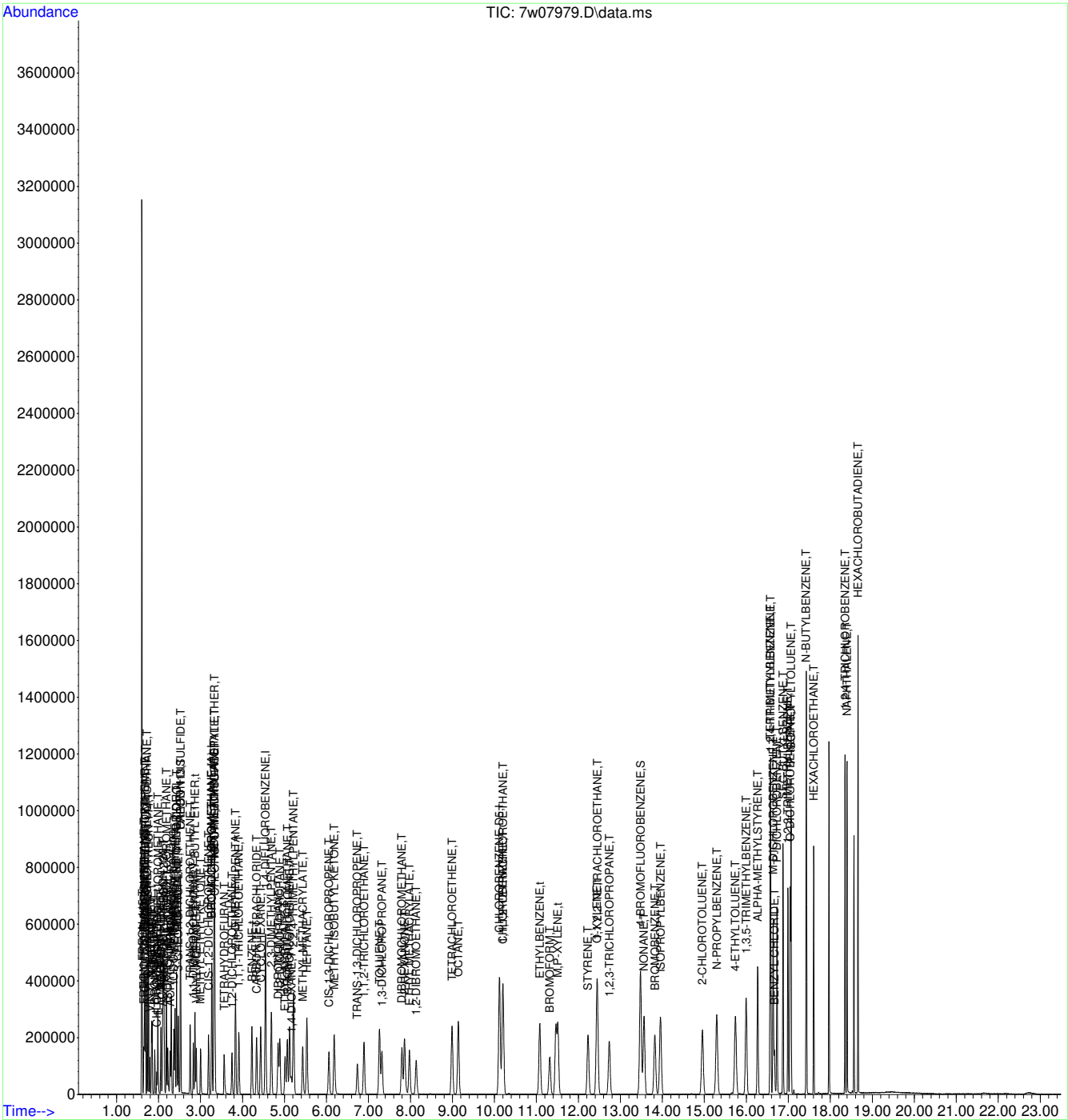
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



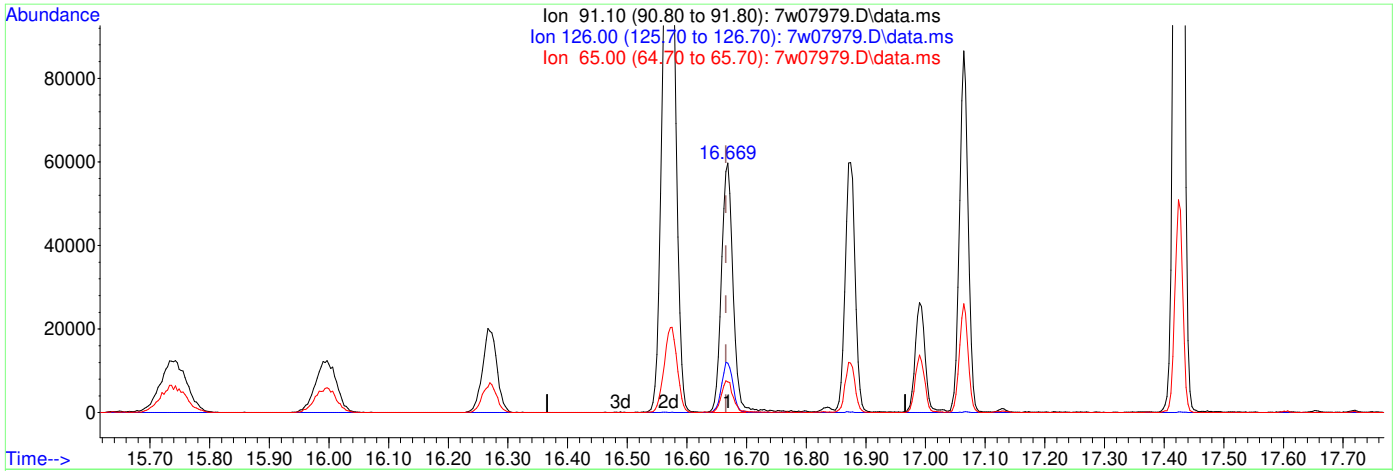
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07979.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 00:01 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

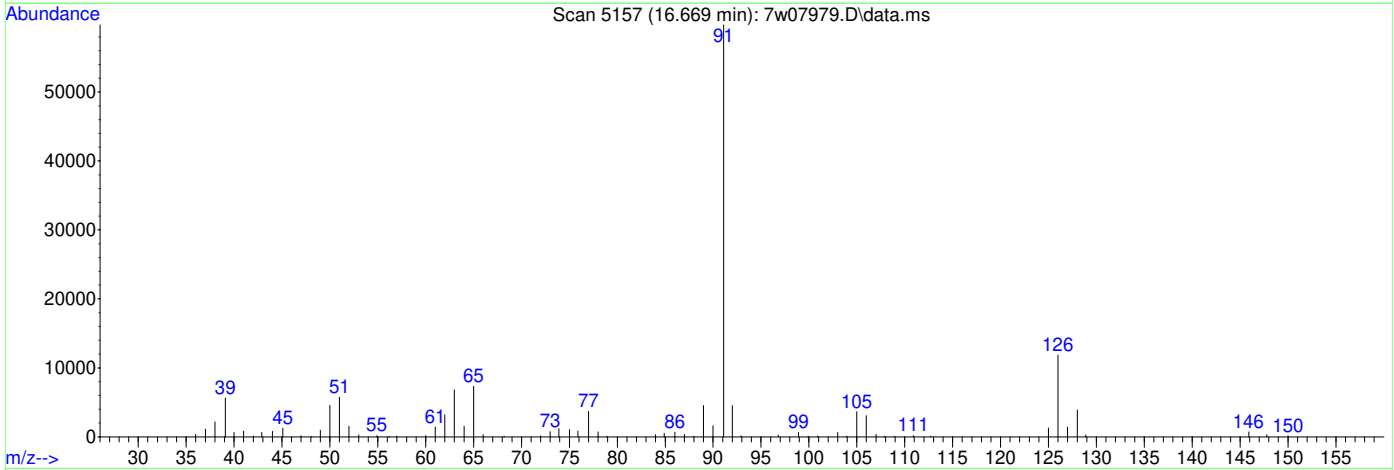
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

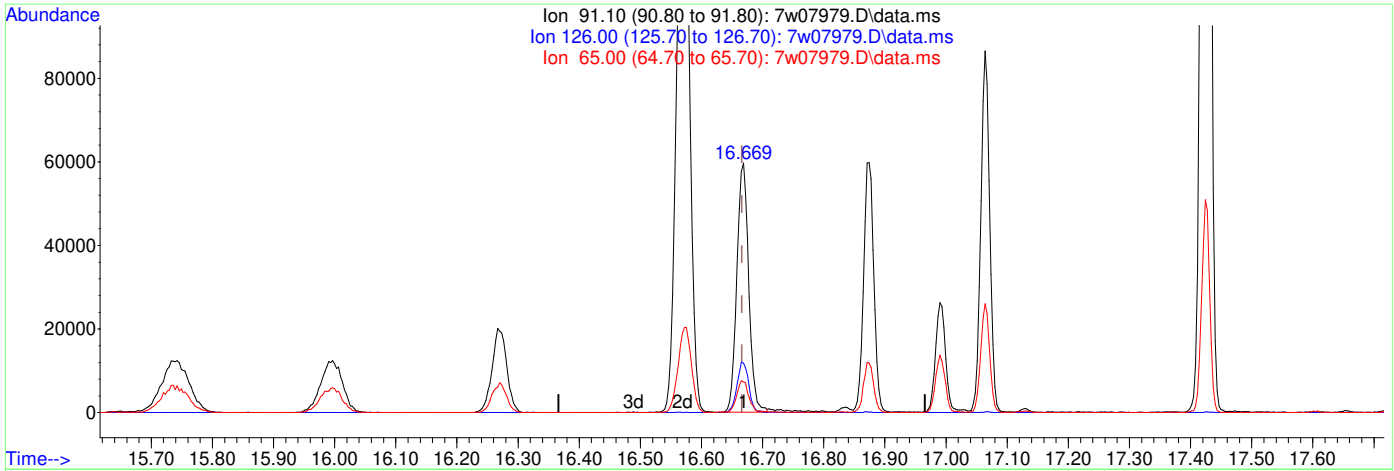
response 81628

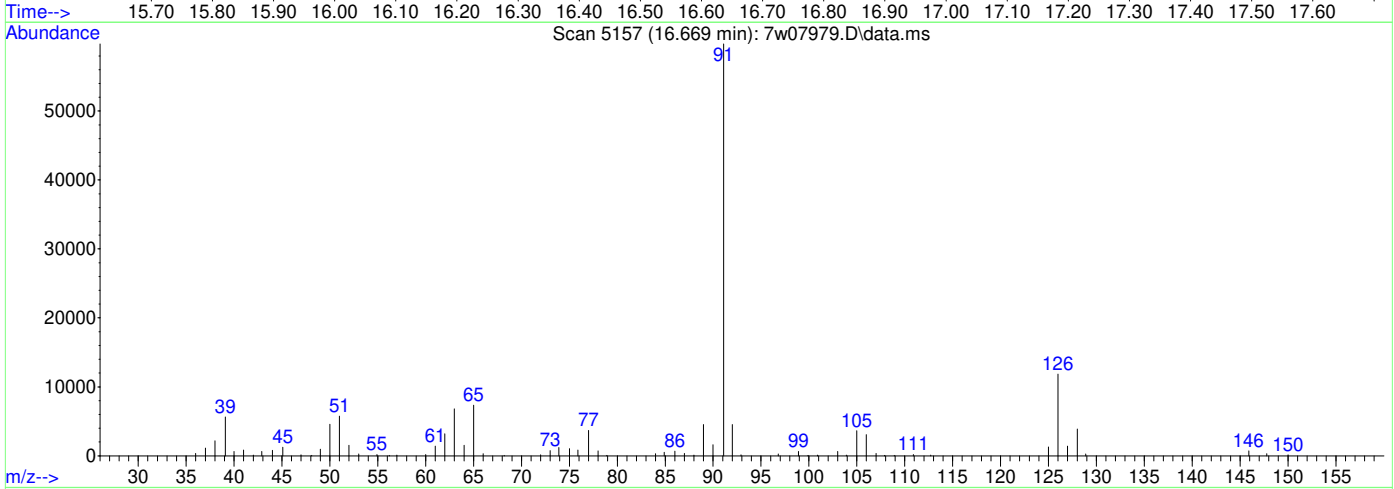
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 19.59 |
| 65.00 | 13.00 | 13.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 20.14 |
| 65.00 | 13.00 | 13.87 |
| 0.00 | 0.00 | 0.00 |



7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 388370 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 349697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 254020 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 116757 | 11.94 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 56656 | 10.57 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 27361 | 10.93 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 128761 | 10.75 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 335263 | 10.56 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 75194 | 10.04 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 279768 | 10.38 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 296122 | 10.76 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38843 | 9.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 127043 | 9.96 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 107031 | 9.85 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 198675 | 10.27 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 101510 | 10.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 66775 | 10.09 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 261438 | 10.74 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 110740 | 8.07 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 61192 | 10.52 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 262246 | 9.89 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 158704 | 10.72 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 302114 | 10.62 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.213 | 45 | 263534 | 8.69 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 66233 | 6.38 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 137367 | 8.83 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 273231 | 10.68 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 111237 | 9.93 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 326093 | 10.12 | PPBV | | 99 |
| 28) ETHANOL | 1.991 | 45 | 67325 | 6.93 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 102347 | 10.02 | PPBV | | 100 |
| 30) ACRYLONITRILE | 2.274 | 52 | 98220 | 8.85 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 101961 | 8.72 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56199 | 10.18 | PPBV | | 97 |
| 33) FREON 113 | 2.525 | 151 | 175840 | 10.42 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 105154 | 9.70 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 256208 | 9.59 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273836 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.557 | 72 | 53518 | 11.75 | PPBV | | 98 |
| 38) HEXANE | 3.319 | 57 | 216582 | 10.11 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.898 | 86 | 24166 | 11.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 200586 | 10.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 55843 | 11.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 113715 | 11.11 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 61463 | 10.90 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.332 | 61 | 43829 | 10.65 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.316 | 55 | 258959 | 10.92 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 237561 | 11.15 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 244103 | 11.02 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.914 | 97 | 211578 | 10.86 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 214927 | 11.14 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.750 | 62 | 178327 | 11.01 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 336400 | 10.79 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 147216 | 10.89 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 78137 | 11.46 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 154777 | 10.77 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 141313 | 10.87 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 127868 | 10.56 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 310645 | 10.93 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 251956 | 11.60 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 676160 | 10.55 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 83819 | 11.15 | PPBV | # | 96 |
| 62) | HEPTANE | 5.534 | 43 | 238681 | 10.47 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 129938 | 10.97 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 138927 | 9.69 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 192427 | 11.23 | PPBV | | 99 |
| 66) | TOLUENE | 7.264 | 91 | 436862 | 11.04 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 219919 | 11.36 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 146931 | 10.87 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 123244 | 11.28 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.852 | 58 | 202098 | 9.26 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 213857 | 11.04 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 152491 | 10.19 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.798 | 129 | 244347 | 12.50 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 227562 | 11.69 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 342794 | 10.17 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 167229 | 11.49 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 365525 | 11.34 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 596122 | 10.36 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.511 | 91 | 932252 | 26.23 | PPBV | | 98 |
| 81) | O-XYLENE | 12.441 | 91 | 476187 | 11.13 | PPBV | | 95 |
| 82) | STYRENE | 12.228 | 104 | 355912 | 11.49 | PPBV | | 99 |
| 83) | NONANE | 13.566 | 43 | 372829 | 10.90 | PPBV | | 100 |
| 84) | BROMOFORM | 11.318 | 173 | 218043 | 12.08 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 345869 | 11.55 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 269044 | 11.72 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 177926 | 10.94 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.823 | 77 | 331670 | 11.30 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 160785 | 10.94 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 187111 | 11.29 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 683113 | 11.85 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 568889 | 10.83 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 292834 | 10.97 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 135050 | 10.31 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 603037 | 10.60 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 206043m | 8.98 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 381391 | 10.72 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 385546 | 10.57 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 365233 | 10.52 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 172736 | 10.87 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 581741 | 10.62 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 190250 | 10.87 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 192133 | 11.39 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 188986 | 11.90 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 270689 | 11.05 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 362323 | 13.11 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.395 | 128 | 919027 | 12.96 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 685461 | 8.17 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

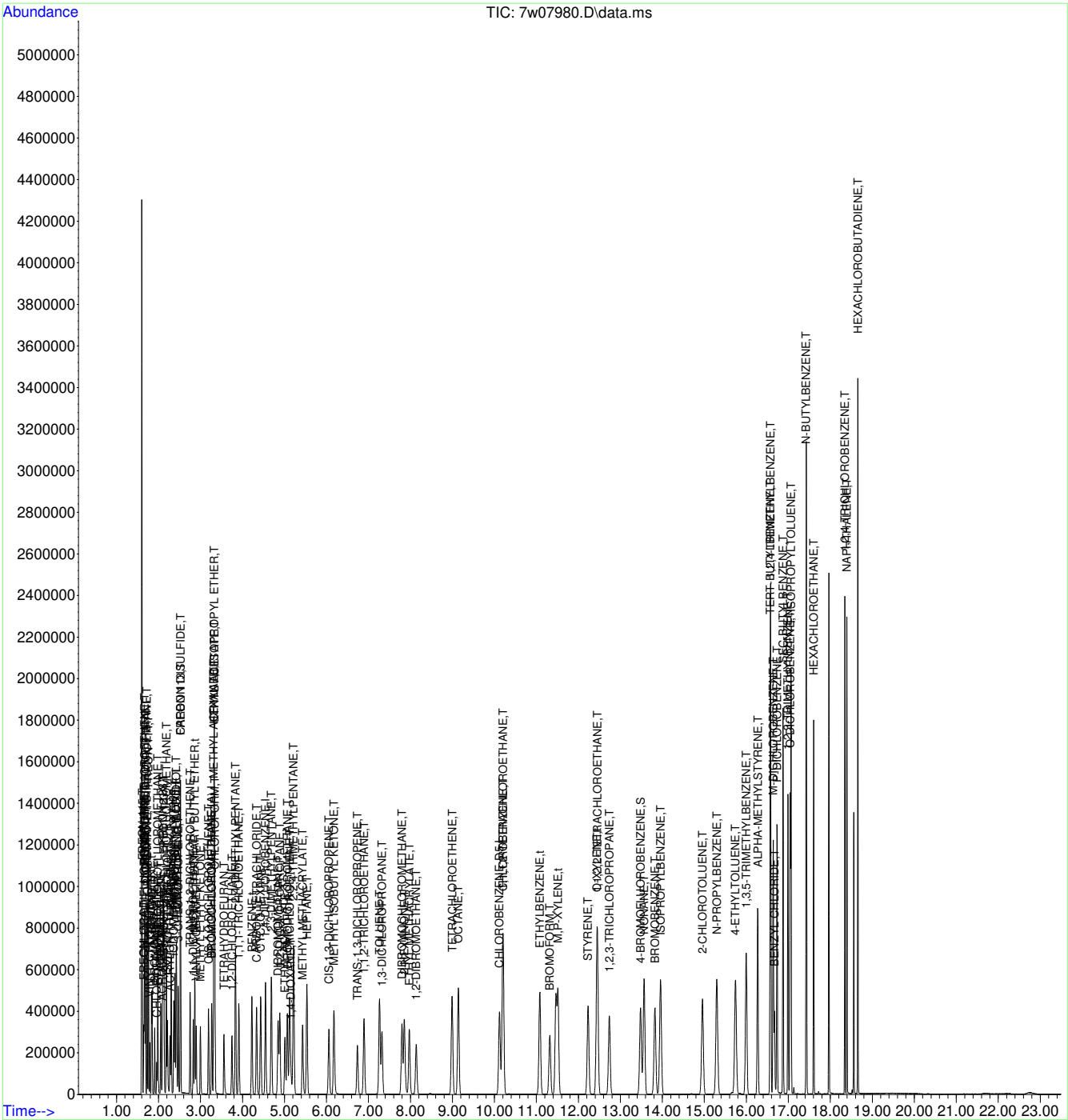
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



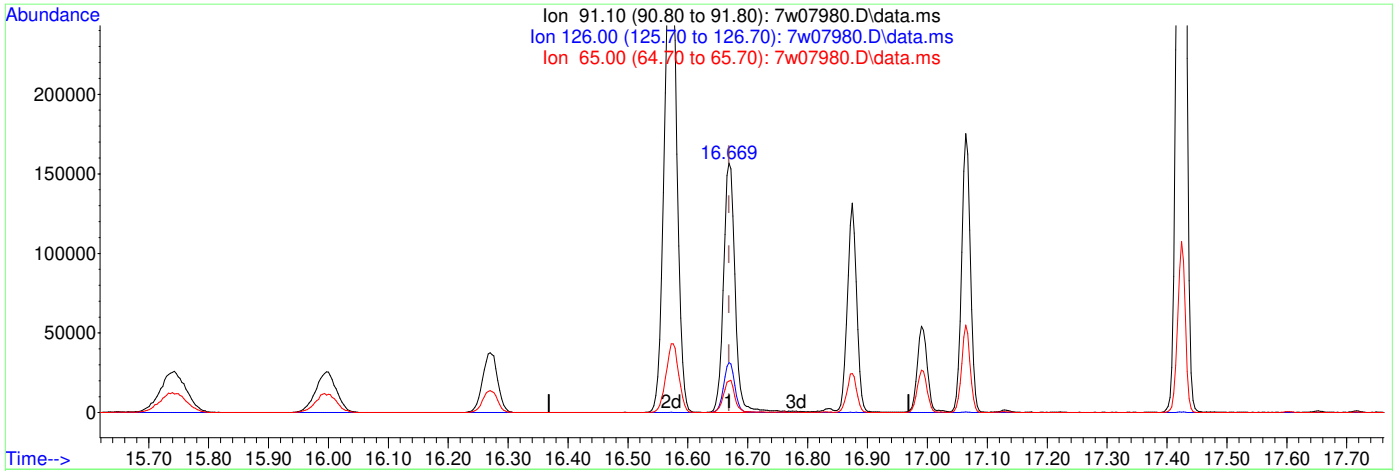
**Sample Number:** V7W305-ICC305 **Method:** TO-15
**Lab FileID:** 7W07980.D **Analyst approved:** 08/19/24 12:13 Kanya Veerawat
**Injection Time:** 08/19/24 00:35 **Supervisor approved:** 08/19/24 12:13 Kanya Veerawat

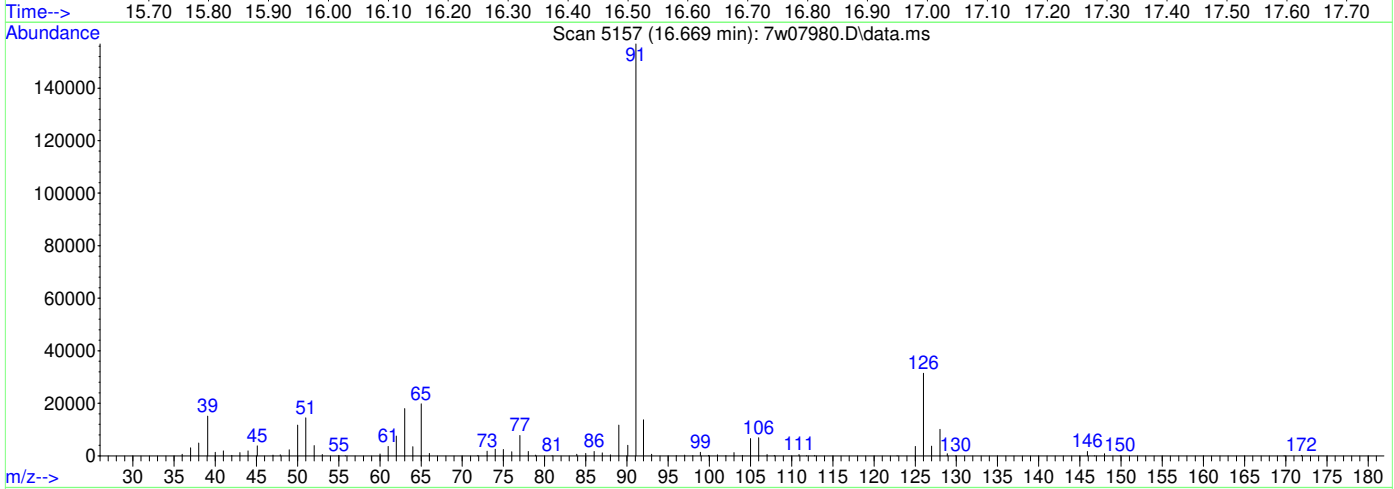
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

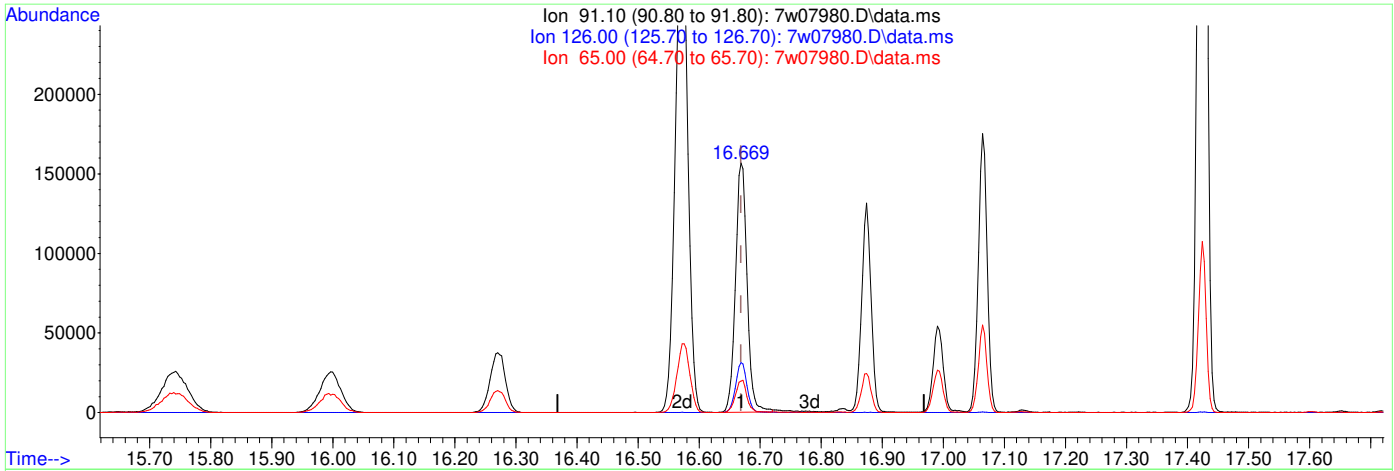
response 209652

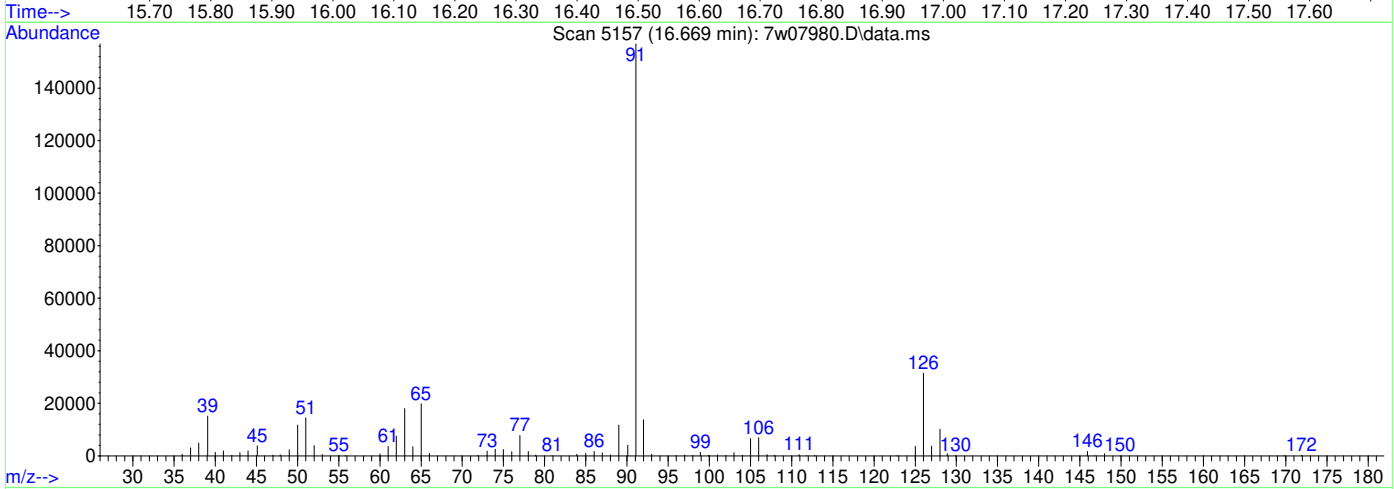
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.52 |
| 65.00 | 13.50 | 13.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.87 |
| 65.00 | 13.50 | 13.30 |
| 0.00 | 0.00 | 0.00 |

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 399337 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 358279 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 266903 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 223150 | 21.59 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 113696 | 20.51 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 54585 | 20.96 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 260366 | 20.90 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 680605 | 20.91 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 152928 | 19.87 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 568833 | 20.81 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 605062 | 21.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 78040 | 18.64 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 255415 | 19.85 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 213526 | 19.54 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 396119 | 20.43 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 203898 | 20.45 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 134751 | 20.22 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 524283 | 21.39 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 223496 | 16.36 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 122465 | 21.34 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 531281 | 19.97 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 323136 | 21.67 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 609713 | 21.19 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.209 | 45 | 505798 | 16.79 | PPBV | | 99 |
| 23) ACETONE | 2.129 | 58 | 132986 | 12.82 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 275517 | 17.87 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 554198 | 21.34 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 224620 | 19.91 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 672044 | 20.83 | PPBV | | 98 |
| 28) ETHANOL | 1.987 | 45 | 128753 | 12.10 | PPBV | | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 208300 | 20.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 196181 | 17.77 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 204874 | 17.29 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 113419 | 20.29 | PPBV | | 94 |
| 33) FREON 113 | 2.524 | 151 | 360148 | 21.14 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 212265 | 18.95 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.412 | 59 | 502012 | 18.93 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 565864 | 21.86 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.553 | 72 | 108661 | 22.89 | PPBV | | 99 |
| 38) HEXANE | 3.319 | 57 | 447138 | 20.24 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 53174 | 25.07 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 406429 | 20.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 113742 | 22.35 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 229111 | 21.47 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 128654 | 22.05 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.328 | 61 | 90518 | 21.25 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 541298 | 22.09 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 481874 | 21.68 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 493893 | 21.63 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 446392 | 22.10 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 457450 | 22.82 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 359999 | 21.41 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 686901 | 21.16 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 301083 | 21.52 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 159069 | 22.48 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 315589 | 21.12 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 281821 | 20.99 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 258319 | 20.58 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 648686 | 22.22 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 520746 | 22.92 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 1363236 | 20.68 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.142 | 88 | 159662 | 20.39 | PPBV | # | 93 |
| 62) | HEPTANE | 5.534 | 43 | 490987 | 20.96 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 269942 | 22.03 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 278412 | 18.84 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 416046 | 23.40 | PPBV | | 98 |
| 66) | TOLUENE | 7.267 | 91 | 894765 | 21.73 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 454192 | 22.55 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 339286 | 24.33 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 252481 | 22.25 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 409335 | 18.16 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 456862 | 22.78 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 312906 | 20.27 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 522506 | 25.25 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 469334 | 23.12 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 701989 | 20.21 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.215 | 131 | 358362 | 23.86 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 755223 | 22.52 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.087 | 91 | 1235495 | 20.71 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.514 | 91 | 1915233 | 51.64 | PPBV | | 98 |
| 81) | O-XYLENE | 12.447 | 91 | 990163 | 22.27 | PPBV | | 97 |
| 82) | STYRENE | 12.235 | 104 | 744264 | 23.04 | PPBV | | 100 |
| 83) | NONANE | 13.569 | 43 | 767362 | 21.75 | PPBV | | 100 |
| 84) | BROMOFORM | 11.322 | 173 | 476337 | 25.55 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.460 | 83 | 719296 | 23.01 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 552619 | 23.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.961 | 120 | 370195 | 21.85 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.829 | 77 | 689619 | 22.52 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.961 | 126 | 332076 | 21.66 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 388667 | 22.47 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 1411045 | 23.43 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 1186430 | 21.61 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 616609 | 22.44 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 285876 | 21.66 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.582 | 105 | 1283114 | 22.29 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.672 | 91 | 586437m | 33.00 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 806410 | 22.21 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 813706 | 21.78 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.048 | 146 | 781278 | 21.49 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 363104 | 21.90 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 1240077 | 21.66 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 399174 | 21.83 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 407447 | 22.96 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 446077 | 27.20 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 601439 | 23.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 799662 | 26.27 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 2024654 | 23.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 1370798 | 16.29 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

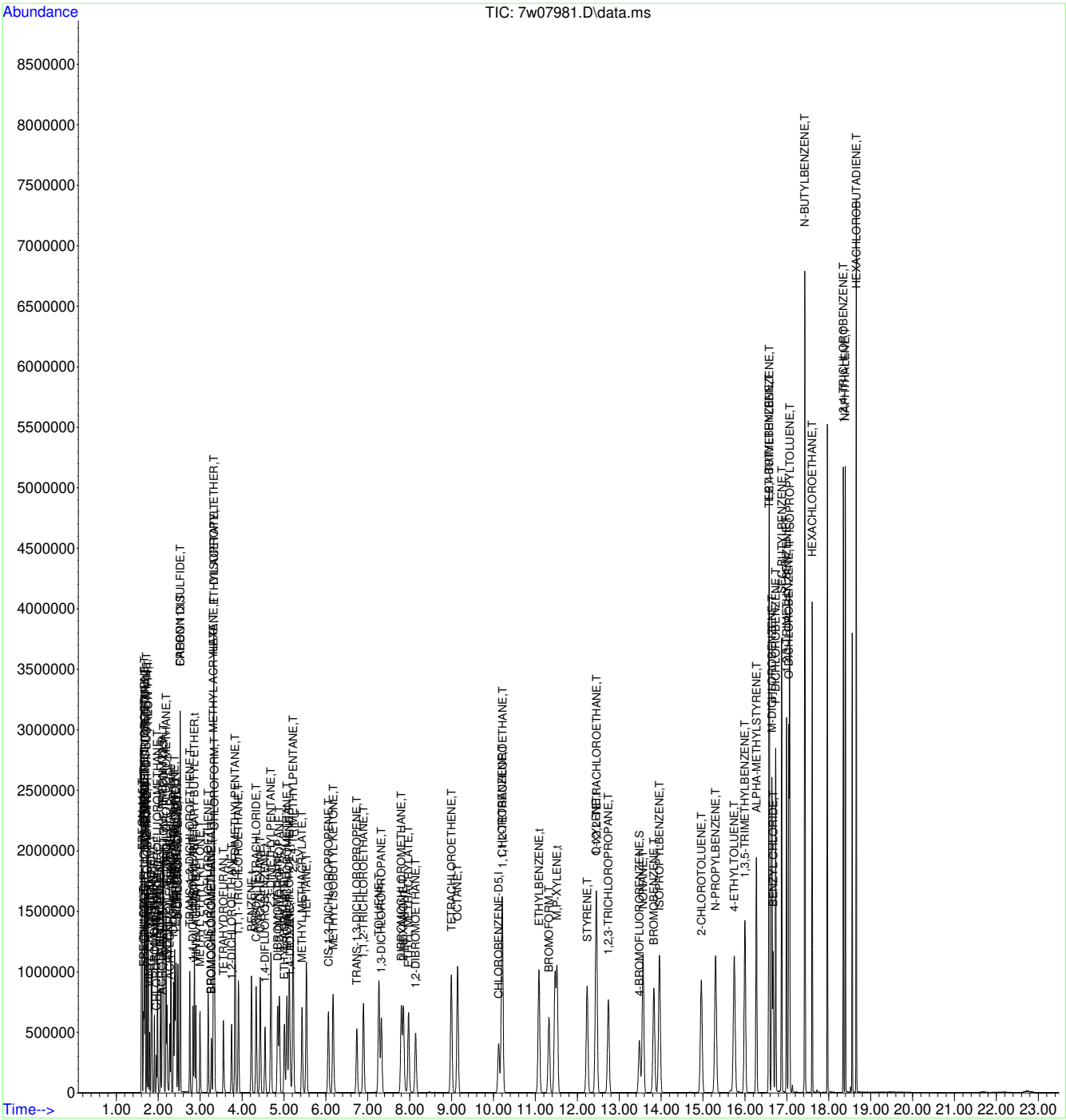
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



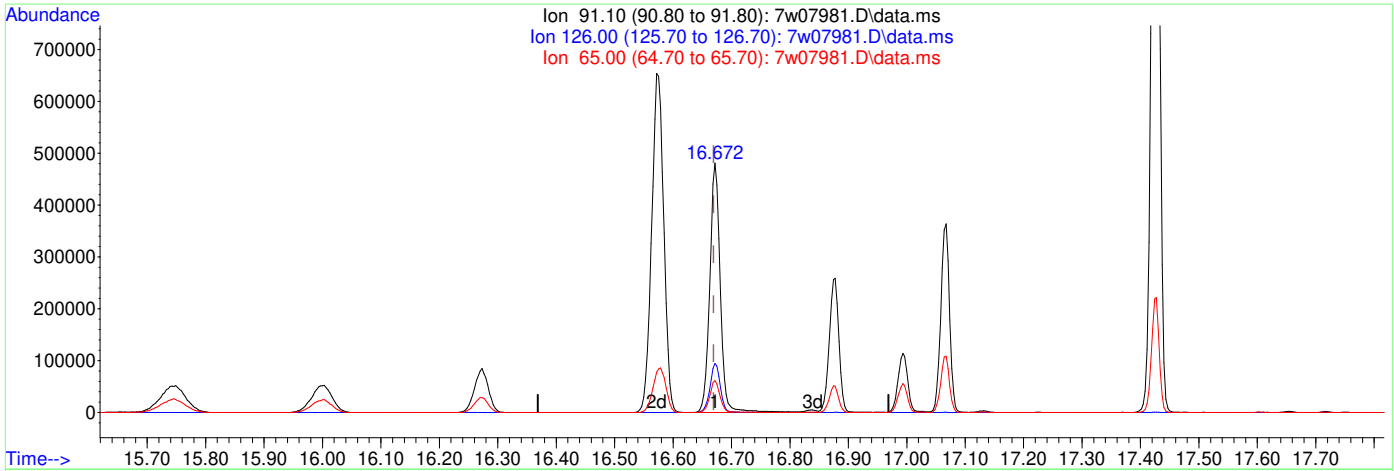
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07981.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 01:10 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

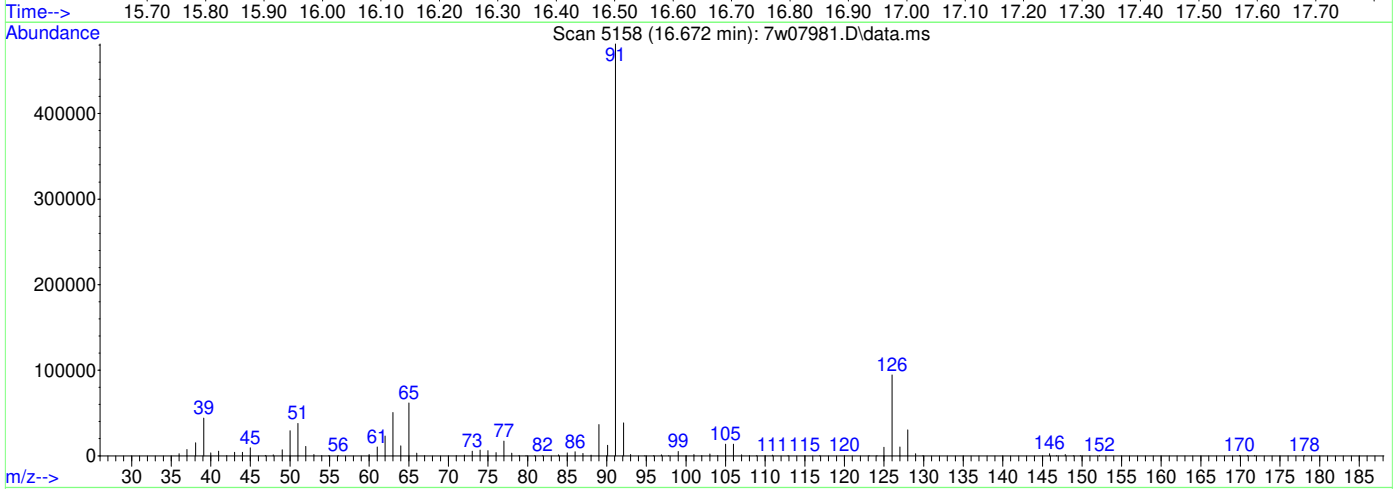
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

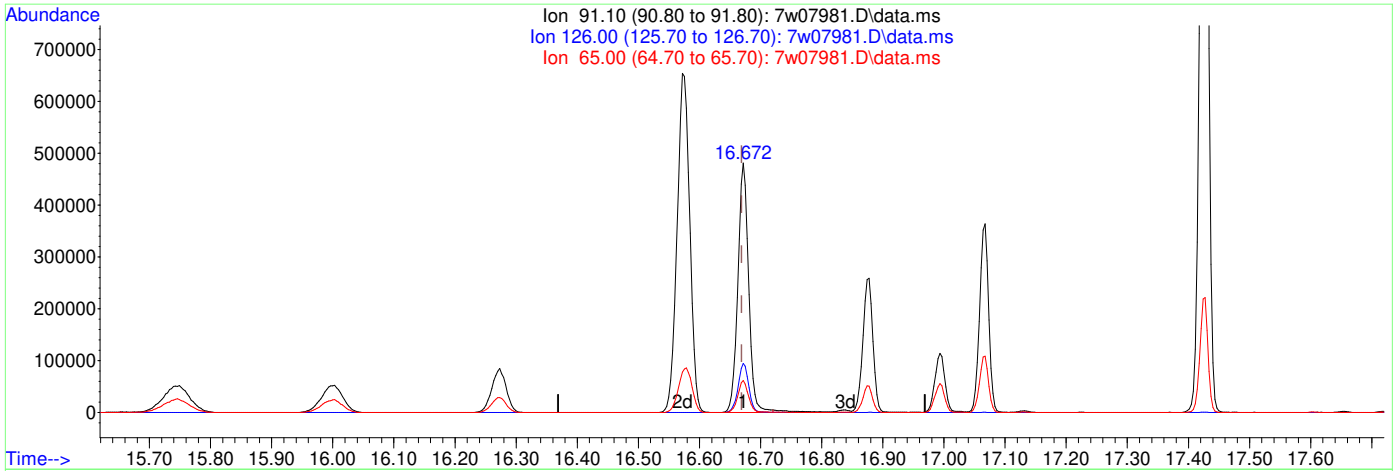
response 598744

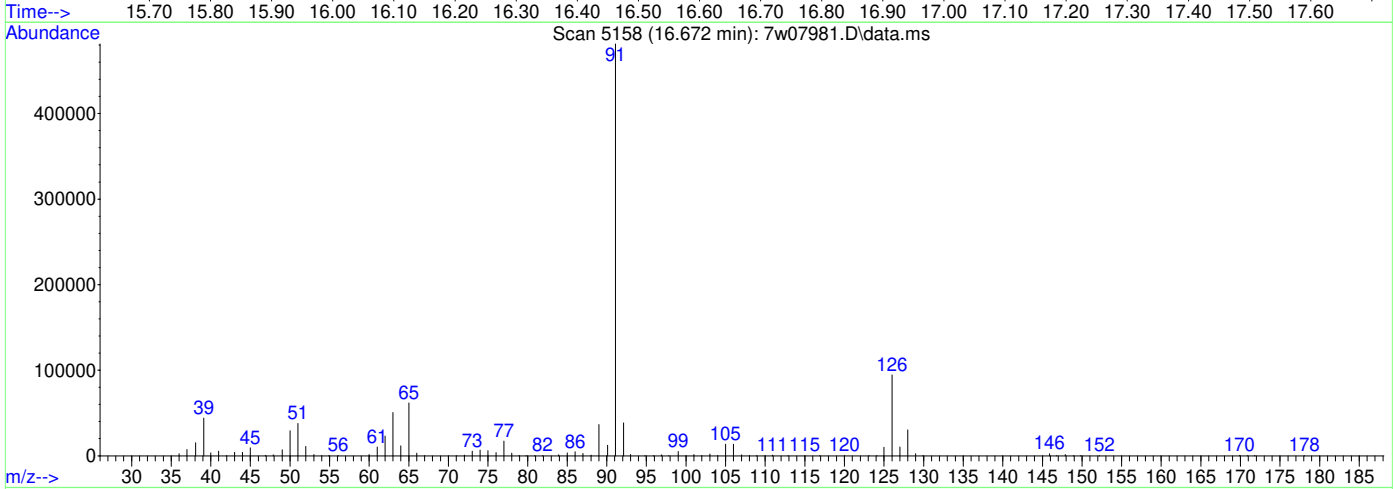
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.41 |
| 65.00 | 13.50 | 12.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.82 |
| 65.00 | 13.50 | 13.18 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 77284 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 380992 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.129 | 117 | 341287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 77286 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 254399 | 10.16 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 479498 | 49.08 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 225277 | 41.32 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 107855 | 41.41 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 531168 | 42.36 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 1365507 | 42.82 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 307501 | 41.15 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1126152 | 42.58 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1216958 | 44.90 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 155210 | 39.41 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 503905 | 41.23 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 423360 | 41.02 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 784812 | 43.23 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 405186 | 41.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 265590 | 41.21 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1054144 | 44.46 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 444566 | 35.18 | PPBV | | 100 |
| 18) ACROLEIN | 2.091 | 56 | 244650 | 46.58 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 1072484 | 42.46 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 648266 | 45.20 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1217843 | 43.41 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 986924 | 35.57 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 267712 | 27.52 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 541283 | 39.96 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 1107350 | 45.77 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 444048 | 42.54 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1380820 | 45.82 | PPBV | | 97 |
| 28) ETHANOL | 1.988 | 45 | 246600 | 22.56 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 411694 | 41.15 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 386593 | 39.48 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 403498 | 36.21 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 229000 | 43.65 | PPBV | | 92 |
| 33) FREON 113 | 2.525 | 151 | 717158 | 44.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 418606 | 39.92 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 988301 | 41.72 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1162668 | 45.46 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 216092 | 45.61 | PPBV | | 99 |
| 38) HEXANE | 3.322 | 57 | 909825 | 43.13 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 112738 | 52.89 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 811814 | 42.39 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 229599 | 45.08 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 461447 | 43.14 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 260000 | 46.49 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.332 | 61 | 186268 | 45.35 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1119785 | 47.57 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.345 | 83 | 964123 | 43.74 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1011033 | 45.64 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 934248 | 46.56 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 968917 | 48.27 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 733596 | 44.30 | PPBV | | 100 |
| 51) | BENZENE | 4.226 | 78 | 1385476 | 42.73 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 603407 | 44.01 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 320742 | 46.54 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 641066 | 43.93 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 574606 | 44.69 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 521107 | 42.96 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1339537 | 48.52 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1065741 | 47.59 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 2752474 | 44.22 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 316234 | 41.72 | PPBV | # | 91 |
| 62) | HEPTANE | 5.537 | 43 | 994256 | 45.09 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 556132 | 46.84 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 558762 | 39.99 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 875361 | 50.16 | PPBV | | 98 |
| 66) | TOLUENE | 7.270 | 91 | 1807715 | 45.02 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 913247 | 46.29 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 743619 | 53.83 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 505262 | 45.59 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 793923 | 38.66 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.975 | 69 | 944521 | 49.01 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 632328 | 43.26 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1085341 | 51.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 957340 | 48.14 | PPBV | | 99 |
| 75) | OCTANE | 9.148 | 43 | 1415805 | 43.08 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 747842 | 50.62 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.206 | 112 | 1519252 | 45.56 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 2480888 | 44.56 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.524 | 91 | 3827571 | 90.65 | PPBV | | 98 |
| 81) | O-XYLENE | 12.453 | 91 | 1995478 | 46.04 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1510779 | 47.29 | PPBV | | 100 |
| 83) | NONANE | 13.576 | 43 | 1529296 | 45.44 | PPBV | | 99 |
| 84) | BROMOFORM | 11.328 | 173 | 1015782 | 55.05 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.466 | 83 | 1454357 | 47.64 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.746 | 75 | 1111565 | 47.22 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.968 | 120 | 745304 | 45.82 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.833 | 77 | 1398331 | 46.31 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.965 | 126 | 671558 | 44.16 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 787486 | 46.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.752 | 105 | 2903289 | 49.04 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.006 | 105 | 2452735 | 46.90 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.276 | 118 | 1287592 | 49.03 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 595730 | 48.09 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.588 | 105 | 2687686 | 49.67 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.675 | 91 | 1577661 | 77.14 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 1650345 | 48.34 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 1699131 | 47.87 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 1624812 | 47.84 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 741809 | 48.93 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.997 | 105 | 2571874 | 48.72 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 821843 | 48.57 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 861362 | 51.77 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1016583 | 64.36 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 1336000 | 52.86 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1756356 | 53.82 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 4403551 | 50.52 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 2678485 | 35.13 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

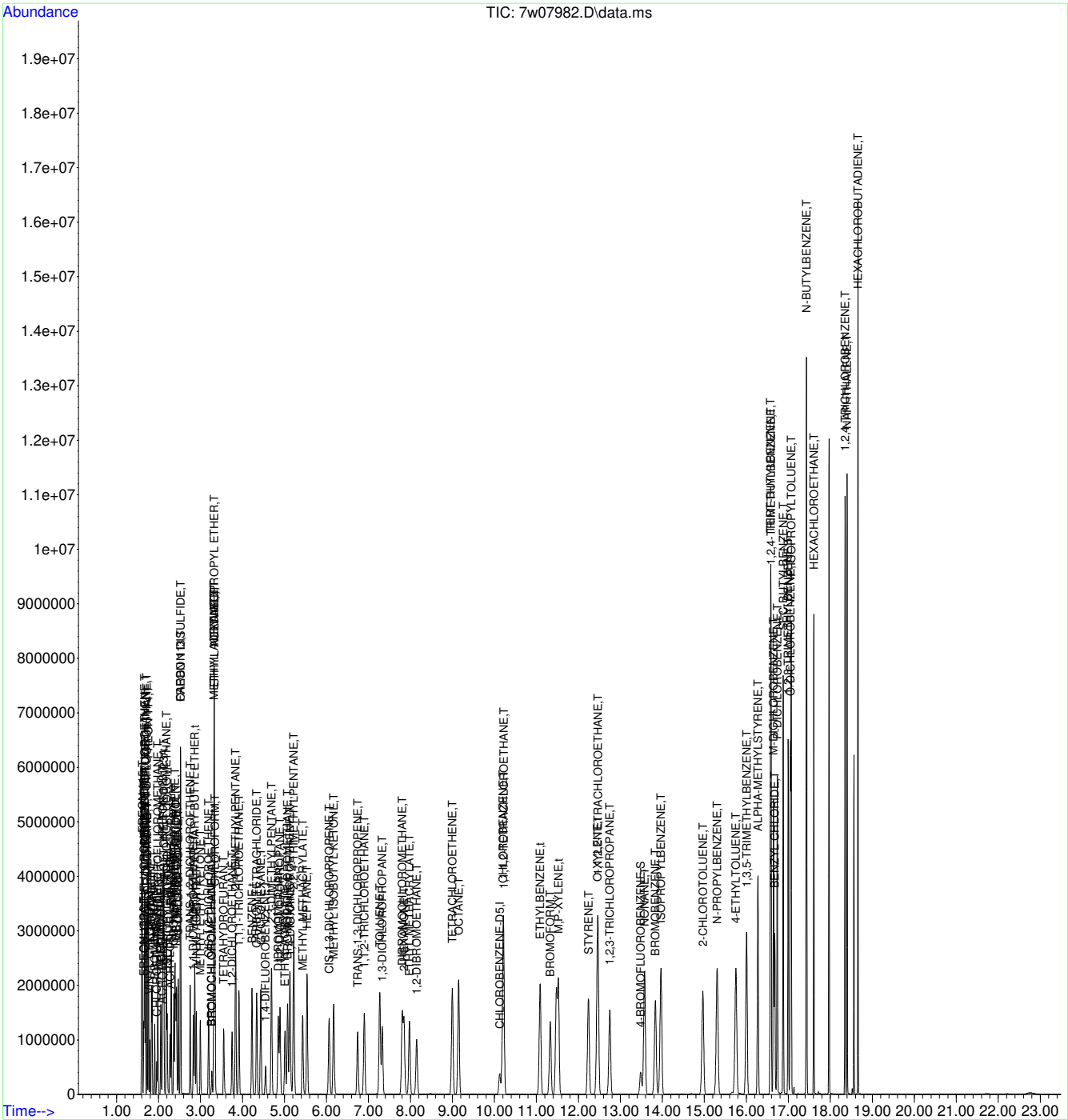
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.270 | 128 | 78494 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 389657 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.126 | 117 | 345790 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.270 | 128 | 78466 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262126 | 10.33 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 245619 | 24.76 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 291677 | 52.67 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 141627 | 53.53 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 690638 | 54.22 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 1753161 | 54.12 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 405362 | 53.41 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1432344 | 53.33 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1558278 | 56.61 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 195627 | 48.91 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 635465 | 51.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 540324 | 51.55 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 998179 | 54.13 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 514200 | 51.79 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 333396 | 50.94 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1339188 | 55.61 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 560405 | 43.66 | PPBV | | 100 |
| 18) ACROLEIN | 2.090 | 56 | 312569 | 58.59 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 1374797 | 53.58 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 825932 | 56.70 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1536852 | 53.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 1276024 | 45.28 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 337983 | 34.21 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 687480 | 49.97 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 1405240 | 57.19 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 566307 | 53.41 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1762887 | 57.59 | PPBV | | 96 |
| 28) ETHANOL | 1.988 | 45 | 321155 | 35.32 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 524513 | 51.62 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 490384 | 49.31 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 515055 | 45.51 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 294143 | 55.20 | PPBV | | 90 |
| 33) FREON 113 | 2.525 | 151 | 913434 | 55.78 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 535169 | 50.25 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 1298839 | 53.98 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1507766 | 58.04 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 274817 | 57.11 | PPBV | | 98 |
| 38) HEXANE | 3.322 | 57 | 1158103 | 54.06 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 146094 | 67.49 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 1030008 | 52.95 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 294713 | 56.98 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 589563 | 54.27 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 332704 | 58.58 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.332 | 61 | 237324 | 56.89 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1426991 | 59.69 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 1214394 | 54.25 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1280289 | 56.90 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 1200423 | 58.91 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 1255040 | 61.56 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 933342 | 55.50 | PPBV | | 100 |
| 51) | BENZENE | 4.229 | 78 | 1758391 | 53.39 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 764340 | 54.51 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 410142 | 58.19 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 820753 | 55.00 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 728144 | 55.37 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 664737 | 53.59 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1729659 | 61.26 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1366362 | 59.66 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 3472389 | 54.54 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.135 | 88 | 411014 | 53.01 | PPBV | # | 91 |
| 62) | HEPTANE | 5.540 | 43 | 1257625 | 55.77 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 710742 | 58.53 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 700033 | 48.98 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 1127356 | 63.16 | PPBV | | 97 |
| 66) | TOLUENE | 7.270 | 91 | 2289185 | 55.74 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.331 | 76 | 1142857 | 56.64 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 969360 | 68.61 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 643667 | 56.79 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.849 | 58 | 988014 | 47.05 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.978 | 69 | 1193687 | 60.56 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 9.000 | 164 | 805208 | 53.86 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1392250 | 64.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.151 | 107 | 1218207 | 59.90 | PPBV | | 99 |
| 75) | OCTANE | 9.151 | 43 | 1775513 | 52.82 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 958162 | 64.01 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.209 | 112 | 1916033 | 56.71 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 3150833 | 55.86 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.524 | 91 | 4833704 | 112.99 | PPBV | | 98 |
| 81) | O-XYLENE | 12.457 | 91 | 2534915 | 57.72 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1921279 | 59.36 | PPBV | | 99 |
| 83) | NONANE | 13.579 | 43 | 1935888 | 56.77 | PPBV | | 99 |
| 84) | BROMOFORM | 11.331 | 173 | 1314897 | 70.33 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.473 | 83 | 1856029 | 60.00 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.752 | 75 | 1408047 | 59.04 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.971 | 120 | 945561 | 57.37 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.836 | 77 | 1768536 | 57.81 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.968 | 126 | 853495 | 55.39 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 1005505 | 58.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.756 | 105 | 3707934 | 61.82 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.010 | 105 | 3135087 | 59.17 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.280 | 118 | 1653911 | 62.16 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 766074 | 61.04 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.591 | 105 | 3471175 | 63.31 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.678 | 91 | 2221433 | 107.20 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 2136121 | 61.75 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 2201660 | 61.23 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 2121120 | 61.64 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.881 | 134 | 961231 | 62.57 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 17.000 | 105 | 3311109 | 61.90 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.071 | 134 | 1069730 | 62.40 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 1119830 | 66.42 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1352760 | 84.53 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 1795989 | 70.14 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.353 | 180 | 2392266 | 72.35 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.402 | 128 | 6097099 | 69.04 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 3373992 | 43.59 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

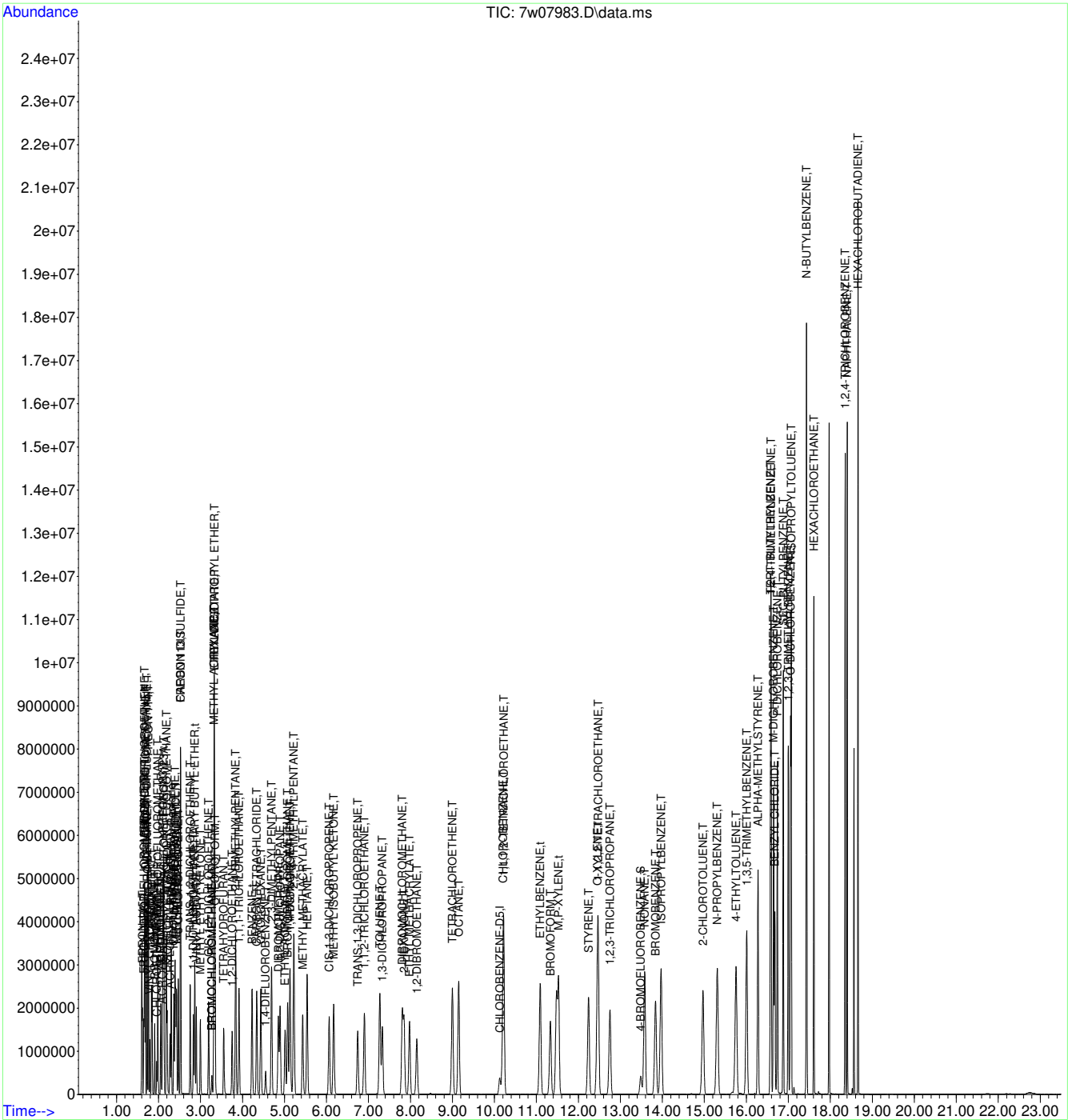
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 379483 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 340309 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 247947 | 9.93 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.614 | 119 | 109240 | 11.17 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 53753 | 10.19 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 25133 | 9.88 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 122894 | 9.94 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 332419 | 10.88 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 70144 | 9.60 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 281408 | 11.00 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 300241 | 11.55 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38535 | 9.73 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 125485 | 10.31 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 103362 | 10.44 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 192783 | 10.67 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 101749 | 10.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 65638 | 10.53 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 265986 | 11.16 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 112948 | 9.54 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 60791 | 10.23 | PPBV | | 98 |
| 19) FREON 123 | 2.103 | 83 | 252173 | 10.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 145517 | 10.48 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 303115 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.212 | 45 | 271631 | 10.52 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 65635 | 9.33 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 132878 | 10.13 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 277095 | 11.72 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 113020 | 11.08 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 349631 | 11.76 | PPBV | | 100 |
| 28) ETHANOL | 1.991 | 45 | 58992 | 8.36 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 103369 | 11.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 96396 | 10.07 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 104108 | 9.92 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56363 | 10.49 | PPBV | | 93 |
| 33) FREON 113 | 2.524 | 151 | 183367 | 11.42 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 107278 | 10.78 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 294471 | 11.88 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273981 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.556 | 72 | 51249 | 10.76 | PPBV | | 97 |
| 38) HEXANE | 3.319 | 57 | 196473 | 9.44 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 25222 | 11.09 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 191878 | 10.35 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 52375 | 10.33 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 109602 | 10.39 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 57566 | 10.63 | PPBV | | 93 |
| 44) ETHYL ACETATE | 3.328 | 61 | 39996 | 10.06 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 245056 | 10.75 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 229319 | 10.75 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 225377 | 10.13 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 204733 | 10.54 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 200635 | 10.52 | PPBV | | 99 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 169201 | 10.46 | PPBV | | 99 |
| 51) | BENZENE | 4.222 | 78 | 316278 | 10.07 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 138874 | 10.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 73542 | 10.71 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 147930 | 10.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 132436 | 10.24 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 125660 | 10.30 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 296975 | 10.70 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 239481 | 10.74 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 618959 | 10.08 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 78243 | 9.84 | PPBV | # | 98 |
| 62) | HEPTANE | 5.534 | 43 | 215703 | 10.00 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 124844 | 10.75 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 128395 | 9.67 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 172676 | 10.42 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 409854 | 10.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 206984 | 10.43 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 141799 | 10.43 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 119463 | 10.82 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.852 | 58 | 184918 | 9.13 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 210624 | 10.97 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 146582 | 10.16 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 231313 | 10.94 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 217379 | 11.18 | PPBV | | 99 |
| 75) | OCTANE | 9.141 | 43 | 307968 | 9.49 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 157549 | 10.79 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 345685 | 10.49 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 562286 | 10.41 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.511 | 91 | 869508 | 20.39 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 442080 | 10.32 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 333475 | 10.76 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 334870 | 9.89 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 199478 | 10.77 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 324727 | 10.77 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 250625 | 10.29 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 169216 | 10.43 | PPBV | | 100 |
| 89) | BROMOBENZENE | 13.820 | 77 | 313692 | 10.22 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 154799 | 10.41 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 176747 | 10.58 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.742 | 105 | 631445 | 10.68 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 529517 | 10.64 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 285116 | 10.78 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 128929 | 10.83 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 562226 | 10.81 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.668 | 91 | 224329 | 14.83 | PPBV | | 100 |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 357907 | 10.31 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 364848 | 10.60 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 347951 | 10.47 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 164754 | 11.00 | PPBV | | 96 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 547996 | 10.41 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 181395 | 10.85 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 180029 | 10.85 | PPBV | | 97 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 174155 | 10.82 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 264758 | 10.60 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 344052 | 10.34 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 945806 | 10.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 662374 | 10.01 | PPBV | | 100 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

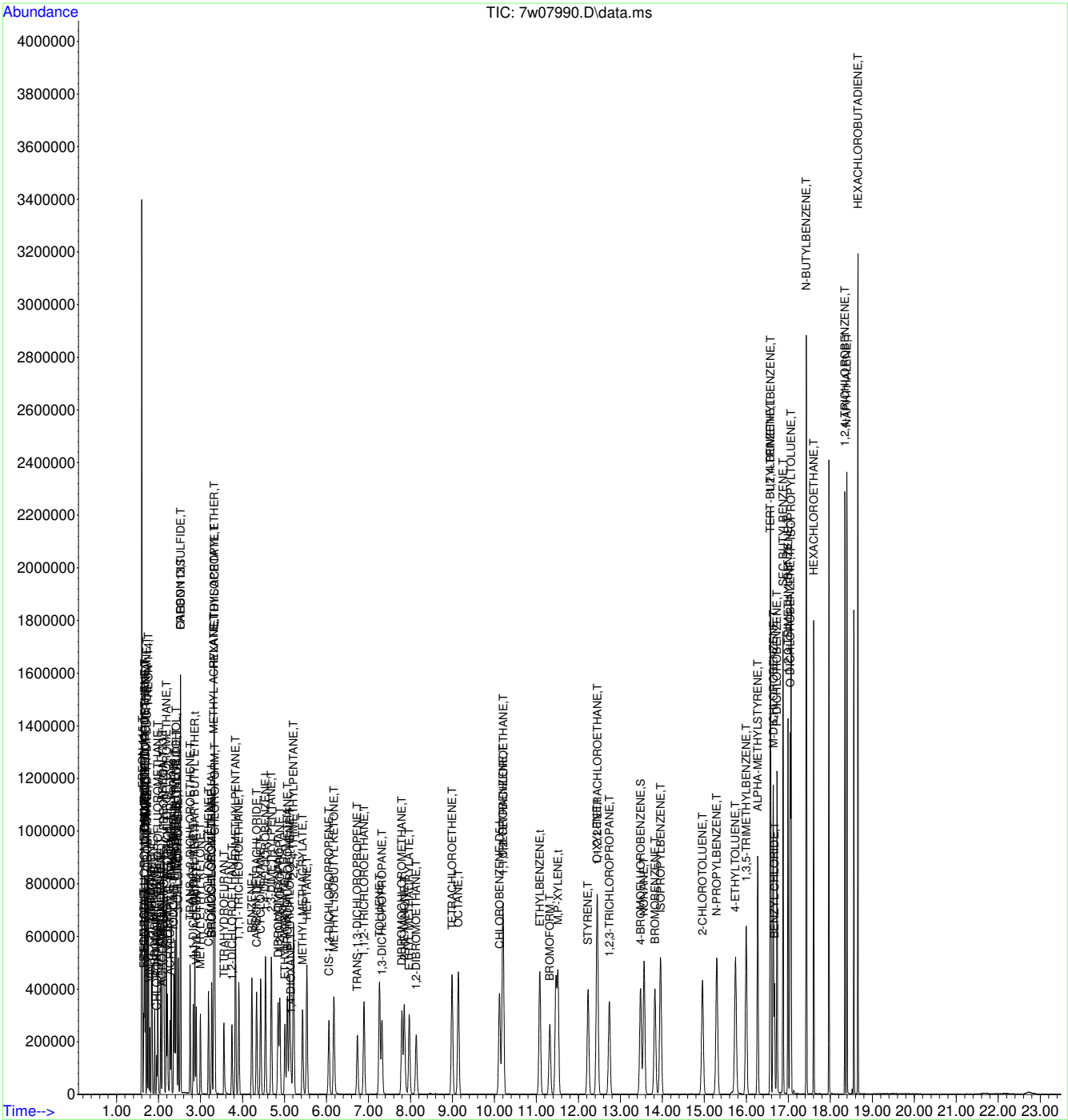
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/07/24 12:01

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 56421 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 285763 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.125 | 117 | 259568 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 56423 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 184899 | 9.71 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 100124 | 13.8372 | PPBV | 93 |
| 3) FREON 152A | 1.650 | 65 | 55712 | 14.2628 | PPBV | 89 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21862 | 11.6061 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 112044 | 12.2385 | PPBV | 74 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 235291 | 10.3999 | PPBV | 98 |
| 7) PROPYLENE | 1.672 | 41 | 73837 | 13.6590 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 169739 | 8.9608 | PPBV | 96 |
| 9) FREON 114 | 1.766 | 85 | 198329 | 10.3053 | PPBV | 99 |
| 10) CHLOROMETHANE | 1.733 | 52 | 29097 | 9.9294 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 96918 | 10.7570 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 82434 | 11.2538 | PPBV | 90 |
| 13) N-BUTANE | 1.852 | 43 | 149935 | 11.2084 | PPBV | 100 |
| 14) BROMOMETHANE | 1.913 | 94 | 69567 | 9.6559 | PPBV | 100 |
| 15) CHLOROETHANE | 1.962 | 64 | 50753 | 10.9989 | PPBV | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.987 | 67 | 181883 | 10.3135 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 91219 | 10.4140 | PPBV | 97 |
| 18) ACROLEIN | 2.097 | 56 | 46963 | 10.6793 | PPBV | 99 |
| 19) FREON 123 | 2.110 | 83 | 182053 | 10.1591 | PPBV | 98 |
| 20) FREON 123A | 2.129 | 117 | 105234 | 10.2373 | PPBV | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 192167 | 9.4717 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 197183 | 10.3184 | PPBV | 97 |
| 23) ACETONE | 2.139 | 58 | 53576 | 10.2875 | PPBV | 77 |
| 24) PENTANE | 2.309 | 42 | 111572 | 11.4939 | PPBV | 92 |
| 25) IODOMETHANE | 2.370 | 142 | 173683 | 9.9243 | PPBV | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 74076 | 9.8118 | PPBV | 96 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 206166m | 9.3704 | PPBV | |
| 28) ETHANOL | 1.997 | 45 | 52931 | 10.1372 | PPBV | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 69659 | 10.1100 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 75288 | 10.6290 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.434 | 84 | 67928 | 8.7421 | PPBV | 97 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 36609 | 9.2074 | PPBV | 91 |
| 33) FREON 113 | 2.531 | 151 | 106682 | 8.9789 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 80950 | 10.9941 | PPBV | 91 |
| 35) TERTIARY BUTYL ALCOHOL | 2.421 | 59 | 169118 | 9.2197 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 222061 | 12.0039 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.560 | 72 | 43478 | 12.3343 | PPBV | 98 |
| 38) HEXANE | 3.325 | 57 | 181268 | 11.7716 | PPBV | 91 |
| 39) VINYL ACETATE | 2.907 | 86 | 19409 | 11.5253 | PPBV | 94 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 175702 | 12.8058 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.003 | 72 | 46518 | 12.3966 | PPBV | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.196 | 96 | 89135 | 11.4149 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 3.331 | 59 | 50302 | 12.5540 | PPBV | 93 |
| 44) ETHYL ACETATE | 3.335 | 61 | 36630 | 12.4472 | PPBV | 83 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 211461 | 12.5371 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 171932 | 10.8870 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.839 | 57 | 210425 | 12.7746 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 163338 | 11.3619 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 167982 | 11.9040 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 132041 | 11.0243 | PPBV | | 100 |
| 51) | BENZENE | 4.228 | 78 | 272344 | 11.7181 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.437 | 84 | 117361 | 11.6279 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 64248 | 12.4302 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 115814 | 10.5818 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 119882 | 12.3128 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.855 | 174 | 95087 | 10.3535 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 257531 | 12.3212 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 188291 | 11.2107 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 571538 | 12.3561 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 66009 | 11.0198 | PPBV | # | 93 |
| 62) | HEPTANE | 5.540 | 43 | 198975 | 12.2536 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 104851 | 11.9943 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 111716 | 11.1759 | PPBV | | 92 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 156193 | 12.5177 | PPBV | | 89 |
| 66) | TOLUENE | 7.267 | 91 | 325223 | 10.6965 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 165758 | 11.0964 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 126984 | 12.4063 | PPBV | | 88 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 96409 | 11.5979 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.846 | 58 | 158240 | 10.3722 | PPBV | | 90 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 172215 | 11.9128 | PPBV | | 97 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 117207 | 10.7888 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 179418 | 11.2670 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 169616 | 11.5826 | PPBV | | 99 |
| 75) | OCTANE | 9.145 | 43 | 274605 | 11.2423 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 129031 | 11.5907 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 255851 | 10.1826 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 429749 | 10.4340 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.508 | 91 | 654633 | 20.1217 | PPBV | | 98 |
| 81) | O-XYLENE | 12.444 | 91 | 333446 | 10.2086 | PPBV | | 99 |
| 82) | STYRENE | 12.228 | 104 | 257714 | 10.9050 | PPBV | | 98 |
| 83) | NONANE | 13.566 | 43 | 282705 | 10.9440 | PPBV | | 96 |
| 84) | BROMOFORM | 11.321 | 173 | 161588 | 11.4399 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 248104 | 10.7840 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 191108 | 10.2861 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.952 | 120 | 123374 | 9.9721 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.826 | 77 | 233399 | 9.9720 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 110228 | 9.7186 | PPBV | | 98 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 130000 | 10.2046 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 475625 | 10.5451 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 389078 | 10.2523 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 198231 | 9.8303 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 91930 | 10.1265 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 400865 | 10.1079 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 222140 | 19.2486 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 259519 | 9.8055 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 264118 | 10.0614 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 248200 | 9.7924 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 115912 | 10.1449 | PPBV | | 97 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 383715 | 9.5567 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 126171 | 9.8962 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 126042 | 9.9596 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 145616 | 11.8562 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 197307 | 10.3609 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 247373 | 9.7497 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.395 | 128 | 572303 | 8.6335 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.309 | TIC | 512844 | 10.4722 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

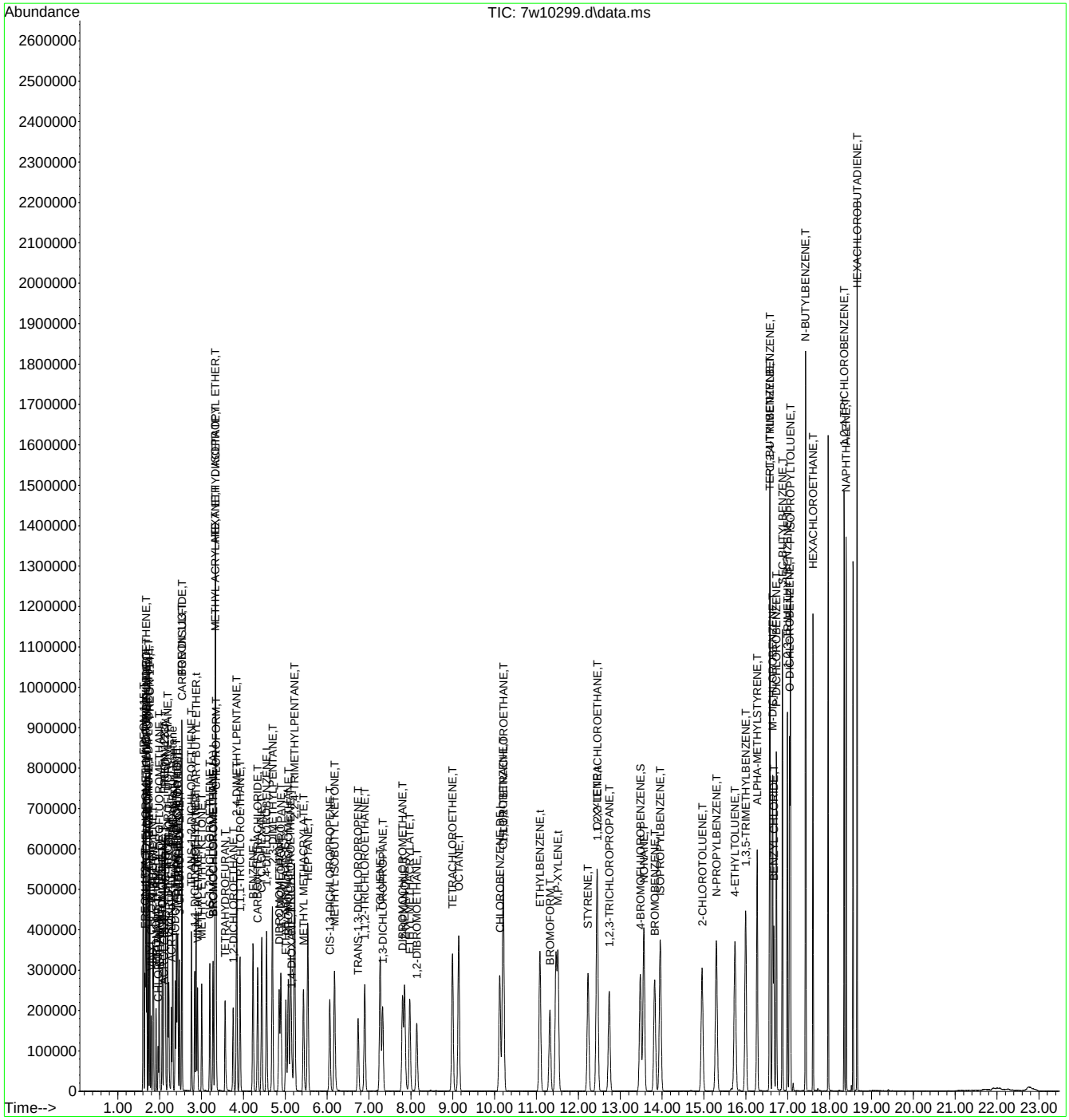
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:58:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



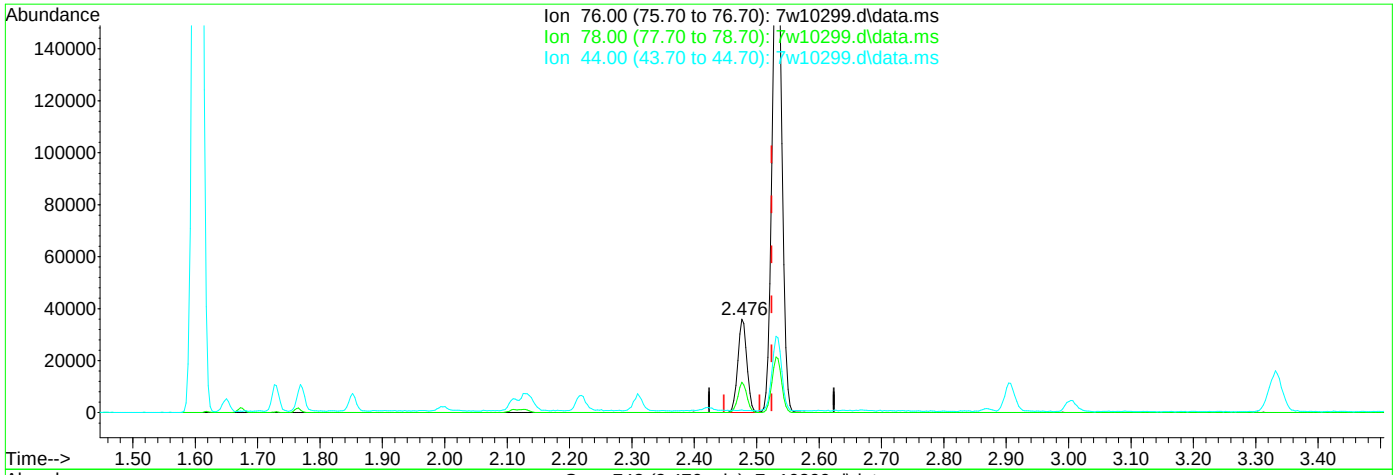
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W379-CC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W10299.D | **Analyst approved:** | 11/06/24 23:40 Lucky Carandang |
| **Injection Time:** | 11/06/24 09:06 | **Supervisor approved:** | 11/07/24 12:01 Kanya Veerawat |

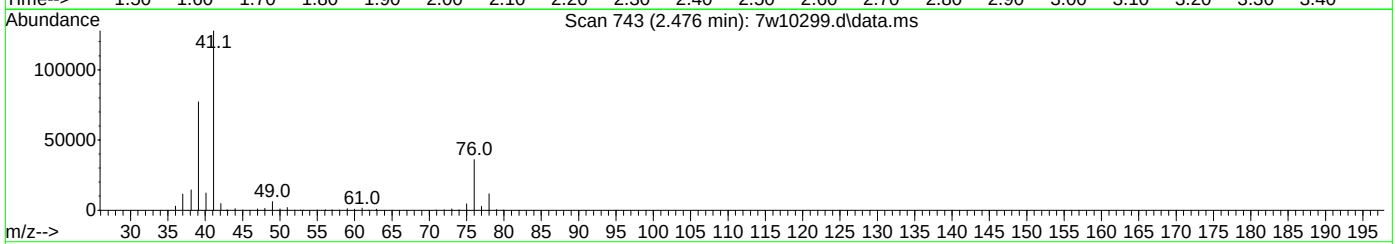
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

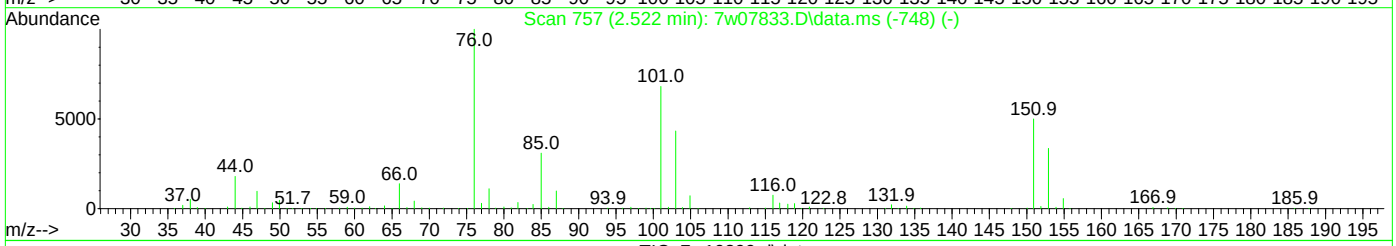
# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.67PPBV

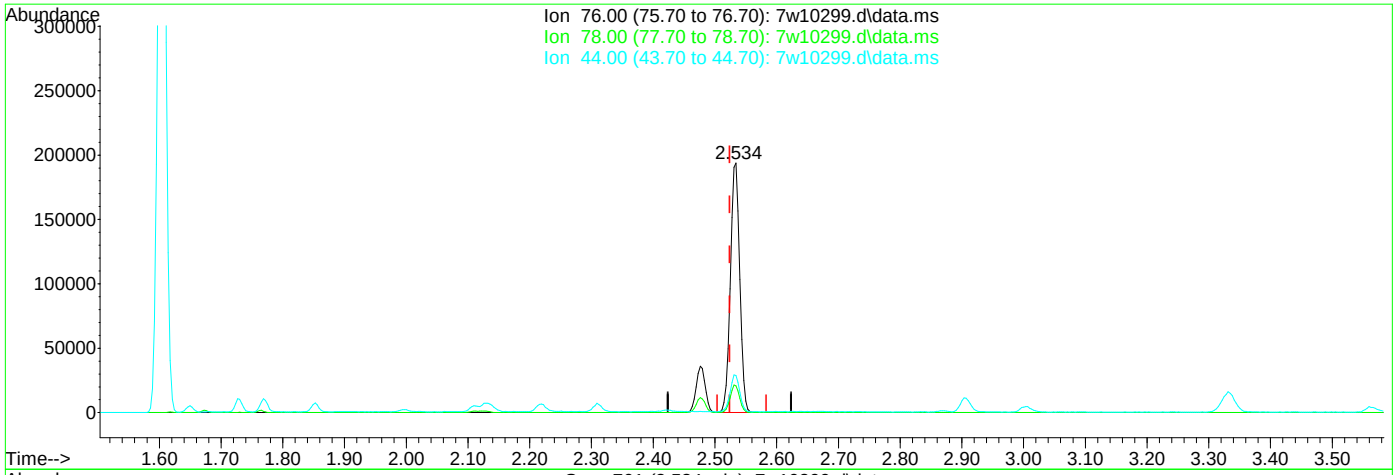
response 36642

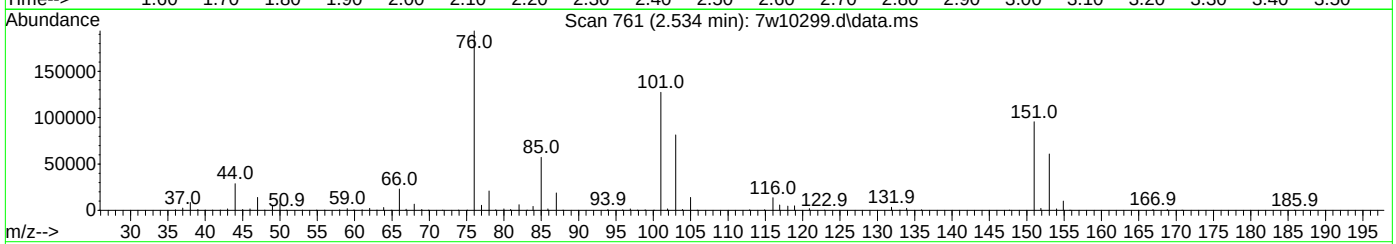
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.26# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

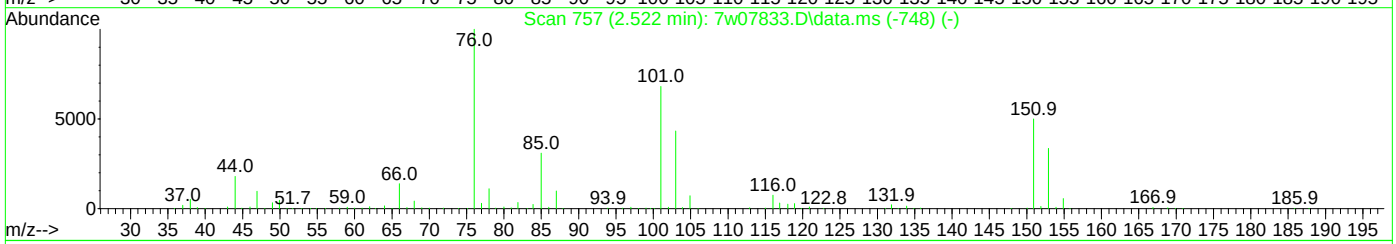
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\07 November 2024\v7w379\
Data File : 7w10299.d
Acq On : 6 Nov 2024 9:06 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86666,v7w379,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 07 00:51:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10299.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.37PPBV m

response 206166

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.73# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 318407 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 291110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 198104 | 9.28 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 113904 | 14.6115 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 58252 | 13.8424 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22548 | 11.1109 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 126006 | 12.7755 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258130 | 10.5903 | PPBV | | 96 |
| 7) PROPYLENE | 1.670 | 41 | 73226 | 12.5735 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 176595 | 8.6534 | PPBV | | 93 |
| 9) FREON 114 | 1.763 | 85 | 219367 | 10.5801 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27990 | 8.8659 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 98928 | 10.1918 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 78163 | 9.9046 | PPBV | | 85 |
| 13) N-BUTANE | 1.853 | 43 | 130976 | 9.0882 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.914 | 94 | 79036 | 10.1826 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 53235 | 10.7085 | PPBV | | 88 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 193041 | 10.1603 | PPBV | | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 79921 | 8.4691 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 45813 | 9.6699 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 201941 | 10.4598 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 122795 | 11.0880 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 218154 | 9.9806 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 185164 | 8.9938 | PPBV | | 95 |
| 23) ACETONE | 2.139 | 58 | 55931 | 9.9687 | PPBV | | 67 |
| 24) PENTANE | 2.313 | 42 | 98623 | 9.4305 | PPBV | | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 221386 | 11.7419 | PPBV | | 90 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84778 | 10.4231 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 226201 | 9.5429 | PPBV | # | 91 |
| 28) ETHANOL | 1.994 | 45 | 48617 | 8.6425 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83038 | 11.1865 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 72323 | 9.4774 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75641 | 9.0358 | PPBV | | 81 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 40143 | 9.3713 | PPBV | # | 64 |
| 33) FREON 113 | 2.531 | 151 | 133379 | 10.4200 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.760 | 96 | 90620 | 11.4238 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 178450 | 9.0300 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 237675 | 11.9255 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45414 | 11.9586 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 189796 | 11.4405 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 21344 | 11.7644 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 185111 | 12.5230 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 48844 | 12.0820 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95378 | 11.3375 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 53282 | 12.3430 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 37519 | 11.8340 | PPBV | | 80 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 218966 | 12.0500 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 183591 | 10.7906 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 217186 | 12.2384 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179721 | 11.6039 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188242 | 12.3820 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 136186 | 10.5541 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 287054 | 11.4643 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 122945 | 10.9323 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66429 | 11.5345 | PPBV | | 92 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124262 | 10.1896 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 125410 | 11.5600 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 108654 | 10.6178 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 267659 | 11.4928 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 201360 | 10.7597 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 593969 | 11.5245 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 67571 | 10.1241 | PPBV | # | 92 |
| 62) | HEPTANE | 5.538 | 43 | 200831 | 11.0999 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 111342 | 11.4310 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116688 | 10.4765 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.062 | 75 | 168984 | 12.1544 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 344235 | 10.1611 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 174071 | 10.4582 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139249 | 12.2098 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.898 | 83 | 101012 | 10.9059 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 163348 | 9.6093 | PPBV | | 87 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 179505 | 11.1440 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 132275 | 10.9275 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200550 | 11.3029 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 182038 | 11.1564 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 274062 | 10.0697 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144332 | 11.5604 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 276377 | 9.8077 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 454221 | 9.8333 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 696539 | 19.0900 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 354868 | 9.6873 | PPBV | | 99 |
| 82) | STYRENE | 12.232 | 104 | 275318 | 10.3876 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 281389 | 9.7128 | PPBV | | 94 |
| 84) | BROMOFORM | 11.322 | 173 | 186323 | 11.7618 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 264100 | 10.2355 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 200411 | 9.6181 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 135526 | 9.7674 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 247703 | 9.4364 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 120539 | 9.4762 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 141576 | 9.9091 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 515336 | 10.1876 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 416897 | 9.7951 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 212144 | 9.3804 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102158 | 10.0338 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 434416 | 9.7670 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257456 | 19.8916 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 290983 | 9.8030 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 295431 | 10.0349 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 277787 | 9.7722 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 130027 | 10.1472 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 415375 | 9.2243 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 139585 | 9.7620 | PPBV | | 94 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 139967 | 9.8616 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159918 | 11.6099 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.650 | 225 | 220878 | 10.3419 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 269758 | 9.4800 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 626781 | 8.4309 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 466760 | 8.8472 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

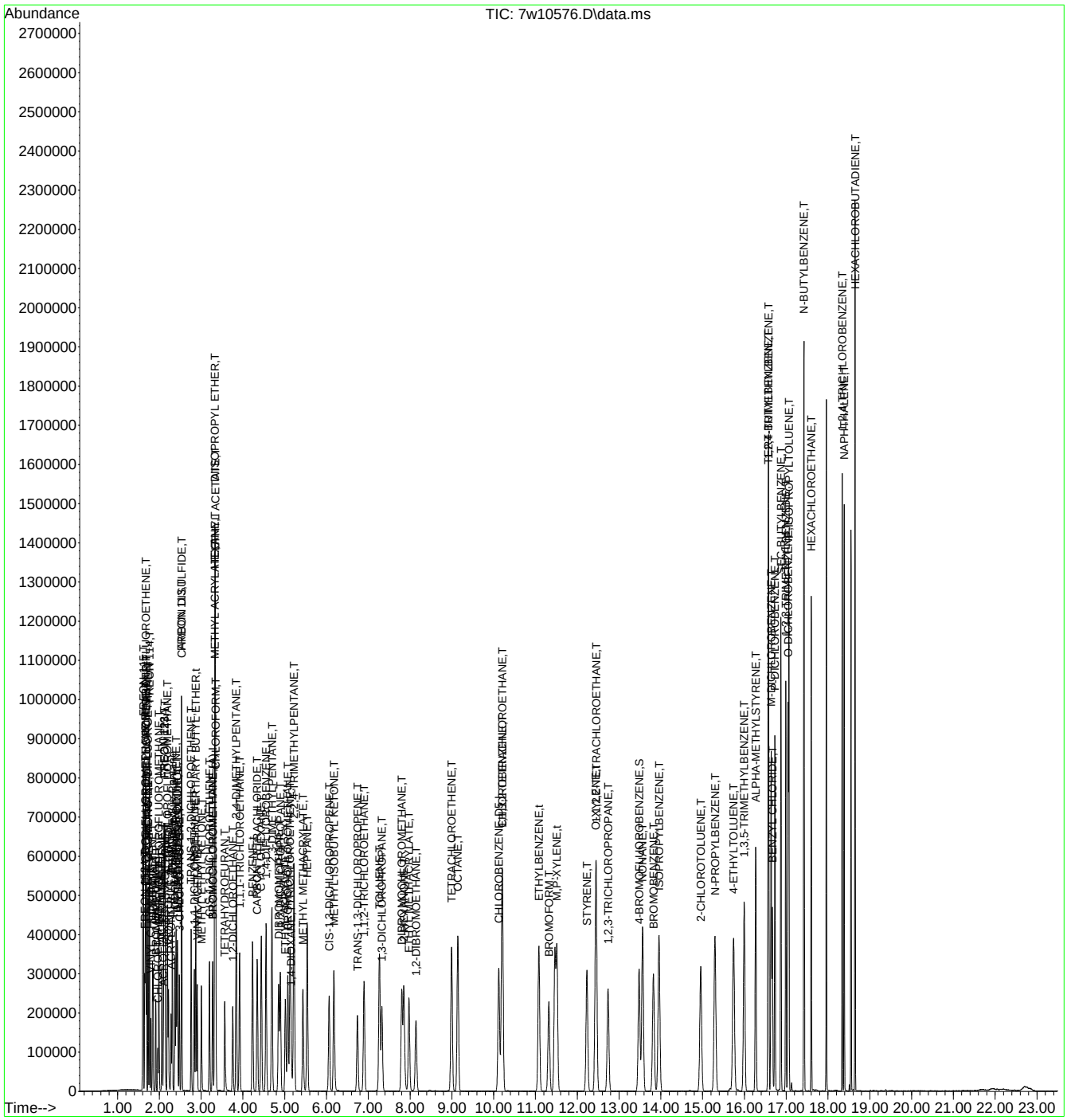
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72713 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 383789 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 314273 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72713 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 225172 | 9.77 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 124218 | 13.3206 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 65766 | 13.0643 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28304 | 11.6593 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 133573 | 11.3211 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 309467 | 10.6137 | PPBV | | 99 |
| 7) PROPYLENE | 1.673 | 41 | 82127 | 11.7885 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265152 | 10.8615 | PPBV | | 97 |
| 9) FREON 114 | 1.766 | 85 | 287257 | 11.5817 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39678 | 10.5064 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 137113 | 11.8085 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 1.840 | 54 | 109490 | 11.5983 | PPBV | | 93 |
| 13) N-BUTANE | 1.856 | 43 | 197186 | 11.4379 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 96846 | 10.4304 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 67594 | 11.3665 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 252271 | 11.0997 | PPBV | | 99 |
| 17) ACETONITRILE | 2.062 | 41 | 111438 | 9.8717 | PPBV | | 100 |
| 18) ACROLEIN | 2.100 | 56 | 56560 | 9.9799 | PPBV | | 98 |
| 19) FREON 123 | 2.113 | 83 | 250554 | 10.8489 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 139203 | 10.5076 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 262872 | 10.0537 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 245998 | 9.9886 | PPBV | | 98 |
| 23) ACETONE | 2.139 | 58 | 69188 | 10.3086 | PPBV | | 85 |
| 24) PENTANE | 2.312 | 42 | 135548 | 10.8352 | PPBV | | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 236333 | 10.4784 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 104831 | 10.7743 | PPBV | | 93 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 314081m | 11.0767 | PPBV | | |
| 28) ETHANOL | 1.997 | 45 | 71616 | 10.6426 | PPBV | | 99 |
| 29) BROMOETHENE | 2.068 | 106 | 93881 | 10.5726 | PPBV | | 98 |
| 30) ACRYLONITRILE | 2.283 | 52 | 94413 | 10.3426 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 100876 | 10.0735 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 55680 | 10.8661 | PPBV | | 94 |
| 33) FREON 113 | 2.531 | 151 | 146739 | 9.5832 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 100171 | 10.5563 | PPBV | | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 251539 | 10.6405 | PPBV | | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 281716 | 11.8165 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 53016 | 11.6703 | PPBV | | 96 |
| 38) HEXANE | 3.325 | 57 | 218443 | 11.0073 | PPBV | | 93 |
| 39) VINYL ACETATE | 2.907 | 86 | 24929 | 11.4864 | PPBV | | 81 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 221068 | 12.5022 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 57471 | 11.8839 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 114625 | 11.3902 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 61884 | 11.9841 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 44813 | 11.8159 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 257381 | 11.8406 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 228133 | 11.2090 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 249533 | 11.7545 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 217871 | 11.7595 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 215033 | 11.8240 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.753 | 62 | 173683 | 11.2520 | PPBV | | 99 |
| 51) BENZENE | 4.229 | 78 | 334442 | 11.1657 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.438 | 84 | 150415 | 11.0964 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78602 | 11.3231 | PPBV | | 96 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 150275 | 10.2234 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 148037 | 11.3210 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 127543 | 10.3404 | PPBV | | 97 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 310535 | 11.0623 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.071 | 83 | 246347 | 10.9211 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 676249 | 10.8857 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 80126 | 9.9600 | PPBV | # | 95 |
| 62) HEPTANE | 5.537 | 43 | 222238 | 10.1905 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 129696 | 11.0470 | PPBV | | 95 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 134511 | 10.0193 | PPBV | | 91 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200693 | 11.9759 | PPBV | | 91 |
| 66) TOLUENE | 7.267 | 91 | 404008 | 9.8938 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 209319 | 10.4335 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 166232 | 12.0926 | PPBV | | 91 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 123583 | 11.0697 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.846 | 58 | 186755 | 9.1146 | PPBV | | 91 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 210548 | 10.8444 | PPBV | | 96 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 158430 | 10.8586 | PPBV | | 97 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 232603 | 10.8761 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 222069 | 11.2912 | PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 309112 | 9.4227 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 172209 | 12.7766 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.196 | 112 | 333442 | 10.9606 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.080 | 91 | 532047 | 10.6692 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.508 | 91 | 818693 | 20.7842 | PPBV | | 98 |
| 81) O-XYLENE | 12.444 | 91 | 420763 | 10.6396 | PPBV | | 97 |
| 82) STYRENE | 12.232 | 104 | 322337 | 11.2653 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 327222 | 10.4623 | PPBV | | 94 |
| 84) BROMOFORM | 11.322 | 173 | 202757 | 11.8558 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 324802 | 11.6603 | PPBV | | 99 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245284 | 10.9040 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.952 | 120 | 164061 | 10.9524 | PPBV | | 96 |
| 89) BROMOBENZENE | 13.823 | 77 | 297385 | 10.4941 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 14.958 | 126 | 147296 | 10.7262 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 172351 | 11.1740 | PPBV | | 98 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 604172 | 11.0635 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 495028 | 10.7735 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 253766 | 10.3938 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 124432 | 11.3208 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 527071 | 10.9768 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 298306 | 21.3491 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 348032 | 10.8608 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 352021 | 11.0758 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 330611 | 10.7733 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 158601 | 11.4649 | PPBV | | 92 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507380 | 10.4370 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 175712 | 11.3829 | PPBV | | 92 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 173477 | 11.3217 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 17.601 | 117 | 191640 | 12.8875 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 269973 | 11.7090 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 332707 | 10.8304 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.395 | 128 | 752557 | 9.3766 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 649553 | 10.2923 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

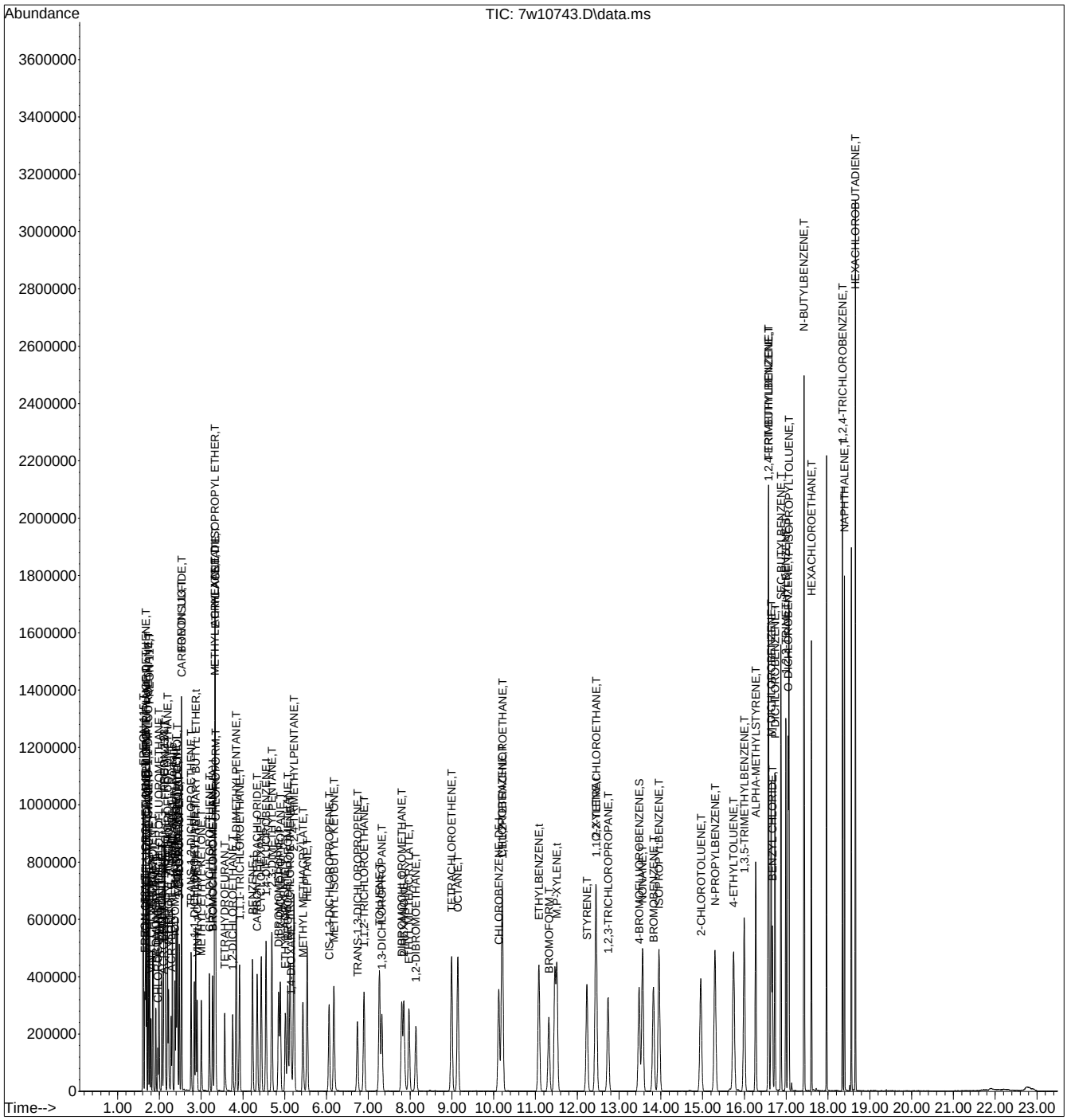
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



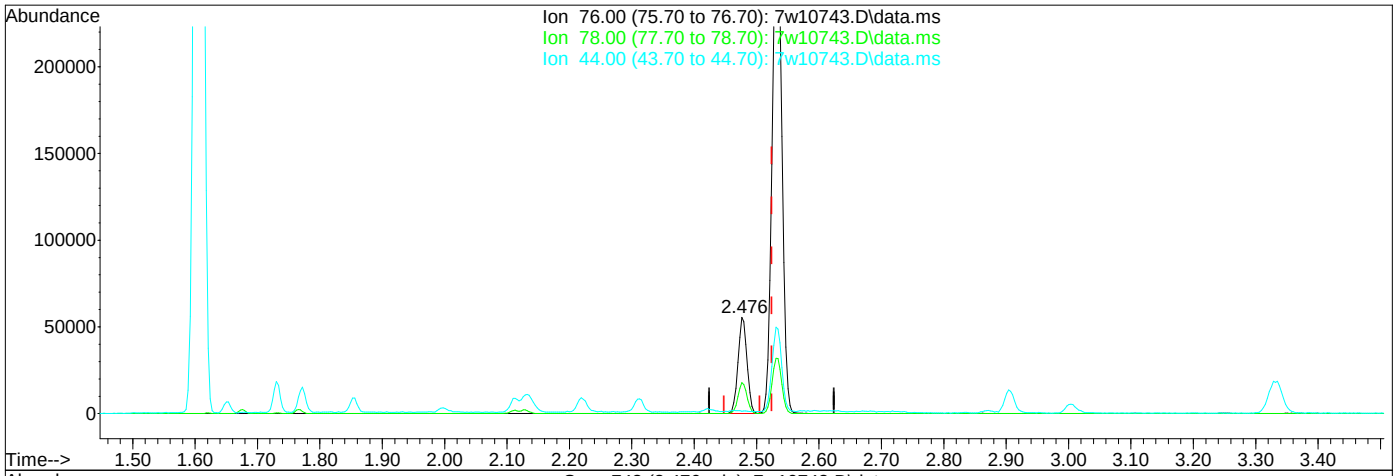
**Sample Number:** V7W392-CC305
**Lab FileID:** 7W10743.D
**Injection Time:** 11/25/24 09:11
**Method:** TO-15
**Analyst approved:** 11/25/24 16:53 Geralyn Gomez
**Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

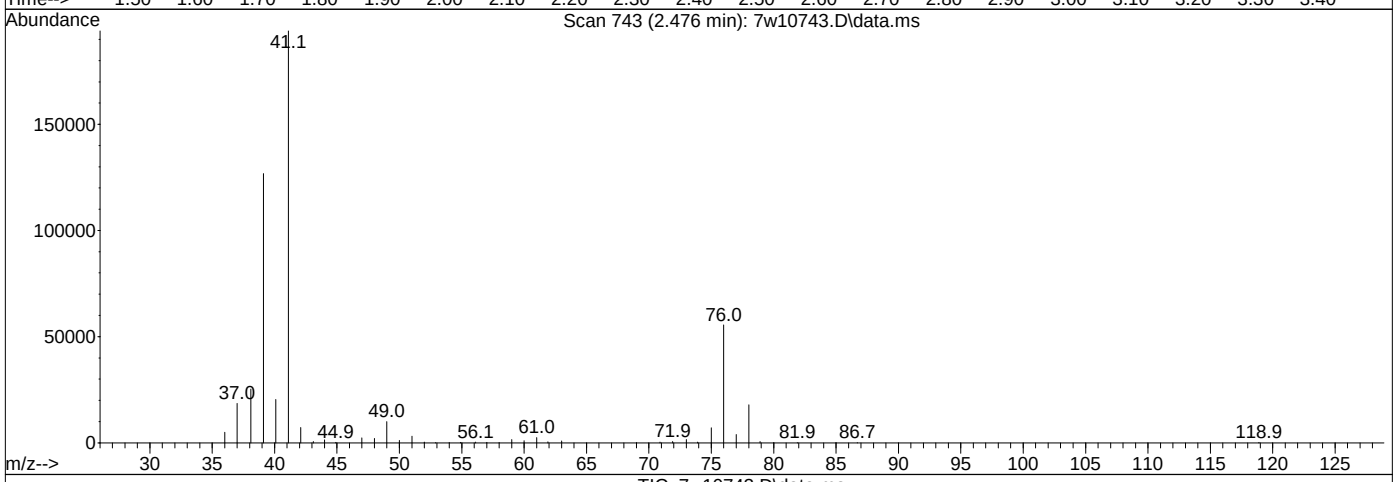
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

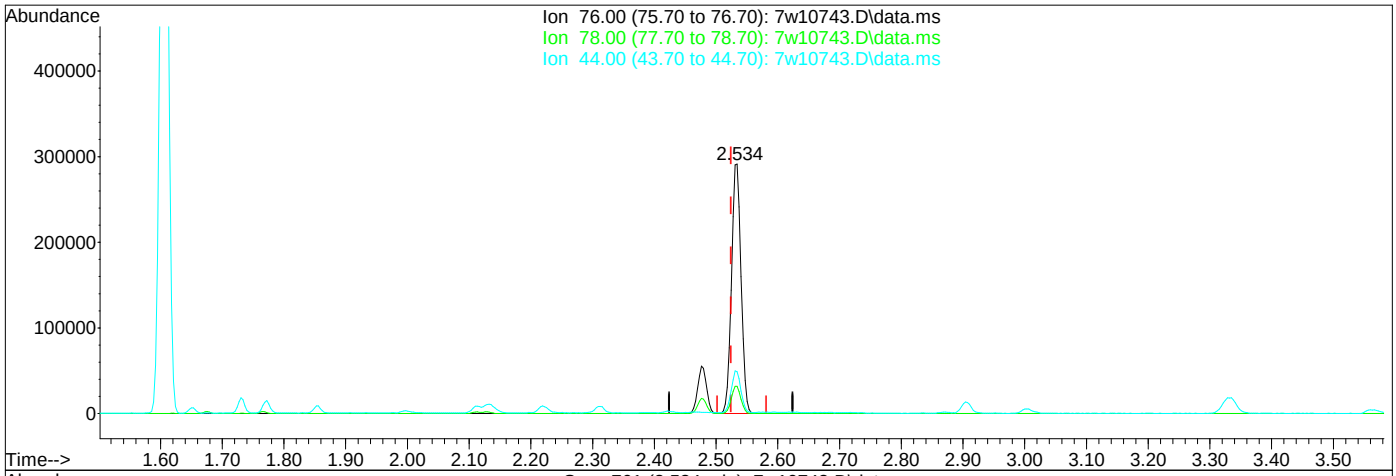
response 55719

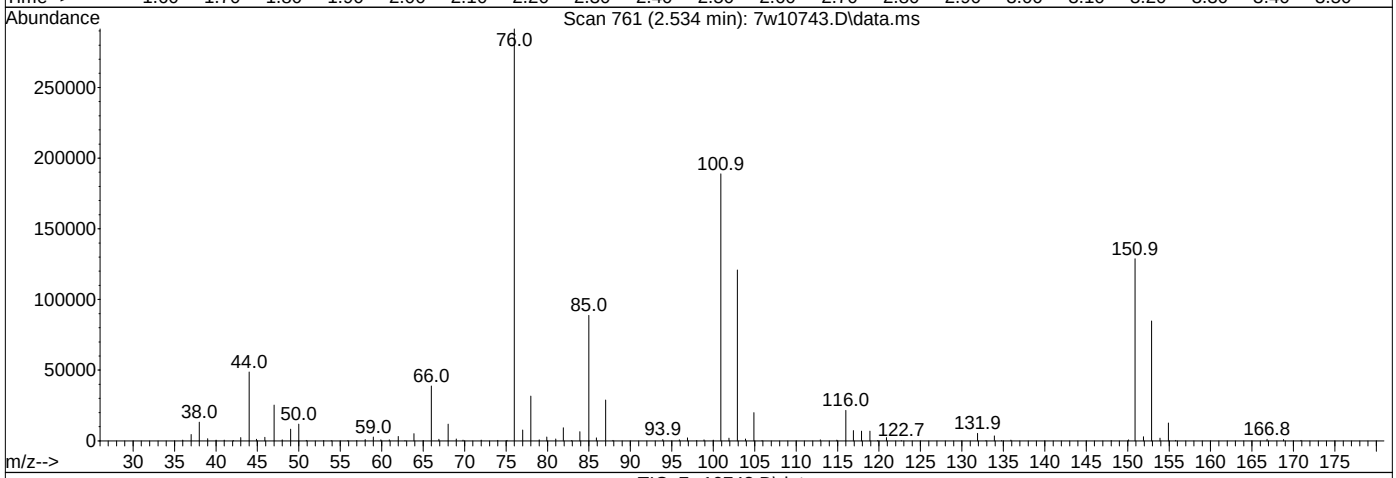
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.48# |
| 44.00 | 19.10 | 1.91# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.76# |
| 44.00 | 19.10 | 0.34# |
| 0.00 | 0.00 | 0.00 |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1737 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A1789 | AS10439 | 10/8/2024 | 0.5 |
| TO-15 STD | A2037 | AS10433 | 10/2/2024 | 5.0 |
| TO-15 STD | A1805 | AS10427 | 10/1/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V3W3499**
**Date: 9/8/2024**
**Laboratory Analyst: Benjamin Kim**
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240908ical.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
**Data Validator(s): Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-4 | ib | 3w88647 | | | A1805 | 20 | | | | | | |
| 2-3 | ib | 3w88648 | | | A2037 | 20 | | | | | | |
| 2-2 | ib | 3w88649 | | | A1789 | 20 | | | | | | |
| 2-1 | ib | 3w88650 | | | A959 | 400 | | | | | | |
| 2-1 | ib | 3w88651 | | | A959 | 400 | | | | | | |
| 2-1 | ib | 3w88652 | | | A959 | 400 | | | | | | |
| 2-1 | ib | 3w88653 | | | A959 | 400 | | | | | | |
| 2-2 | bfb | 3w88654 | | | A1789 | 32 | | | | | OK | T = 2:29 (9/9/24) |
| 2-2 | ic3499-0.04 | 3w88655 | MS80966 | STD+NAP | A1789 | 32 | | | √ | √ | OK | |
| 2-2 | ic3499-0.1 | 3w88656 | MS80966 | STD+NAP | A1789 | 80 | | | √ | √ | OK | |
| 2-2 | ic3499-0.2 | 3w88657 | MS80966 | STD+NAP | A1789 | 160 | | | √ | √ | OK | |
| 2-2 | ic3499-0.5 | 3w88658 | MS80966 | STD+NAP | A1789 | 400 | | | | | NOT USED | Testing purposes |
| 2-3 | ic3499-0.5 | 3w88659 | MS80966 | STD+NAP | A2037 | 40 | | | √ | √ | OK | |
| 2-3 | ic3499-5 | 3w88660 | MS80966 | STD+NAP | A2037 | 400 | | | | | NOT USED | Testing purposes |
| 2-4 | ic3499-5 | 3w88661 | MS80966 | STD+NAP | A1805 | 40 | | | √ | √ | OK | |
| 2-4 | icc3499-10 | 3w88662 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-4 | ic3499-20 | 3w88663 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-4 | ic3499-40 | 3w88664 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-4 | ic3499-50 | 3w88665 | MS80966 | STD+NAP | A1805 | 400 | | | √ | ↑4 | NOT USED | Please Note: Only LINEAR to 40 ppbv Level. |
| 2-1 | ib | 3w88666 | | | A959 | 400 | | | | | | |
| 2-1 | ib | 3w88667 | | | A959 | 400 | | | | | | |
| 2-1 | ib | 3w88668 | | | A959 | 400 | | | | | | |
| 2-5 | icv3499-10 | 3w88669 | | | A1795 | 400 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1737 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A1789 | AS10439 | 10/8/2024 | 0.5 |
| TO-15 STD | A2037 | AS10433 | 10/2/2024 | 5.0 |
| TO-15 STD | A1805 | AS10427 | 10/1/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V3W3499**
**Date: 9/8/2024**
**Laboratory Analyst: Benjamin Kim**
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240908ical.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
**Data Validator(s): Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

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# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1737 | AS10298 | 5/31/2025 | 100 |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD | A1806 | AS10428 | 10/1//2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V3W3503**
**Date: 9/19/2024**
**Laboratory Analyst: Thomas Hilbig**
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240919.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-2 | bfb | 3w88778 | | | a2044 | 20 | | | | | OK | T = 12:37 |
| 2-1 | cc3499-10 | 3w88779 | | | a1806 | 80 | | | √ | √ | OK | 3-Chloropropene ↑ |
| 2-1 | bs | 3w88780 | | | a1806 | 80 | | | √ | √ | OK | 3-Chloropropene ↑ |
| 2-1 | bsd | 3w88781 | | | a1806 | 80 | | | √ | √ | OK | 3-Chloropropene ↑ |
| 2-2 | ib | 3w88782 | | | a2036 | 100 | | | | | - | |
| 2-2 | mb | 3w88783 | | | a2036 | 400 | | + | √ | √ | OK | |
| 2-3 | jd96175-1 | 3w88784 | MS85177 | SL+ | a2524 | 400 | 1 | + | √ | √ | OK | |
| 2-4 | jd96175-2 | 3w88785 | MS85177 | SL+ | a2528 | 400 | 1 | + | √ | √ | OK | |
| 2-4 | jd96175-2dup | 3w88786 | MS85177 | SL+ | a2528 | 400 | 1 | + | √ | √ | OK | |
| 2-5 | jd96175-3 | 3w88787 | MS85177 | SL+ | a2517 | 592 | 1.48 | + | √ | √ | OK | |
| 2-6 | jd96175-4 | 3w88788 | MS85177 | SL+ | a2495 | 592 | 1.48 | + | √ | √ | OK | |
| 2-7 | jd96236-1 | 3w88789 | MS85123 | CTC, TCE, CHLFRM | m411 | 400 | 1 | | √ | √ | OK | |
| 2-8 | jd96236-2 | 3w88790 | MS85123 | CTC, TCE, CHLFRM | a256 | 400 | 1 | | √ | √ | OK | |
| 2-9 | jd96236-3 | 3w88791 | MS85123 | CTC, TCE, CHLFRM | a1830 | 400 | 1 | | √ | √ | OK | |
| 2-10 | jd96236-4 | 3w88792 | MS85123 | CTC, TCE, CHLFRM | a1499 | 400 | 1 | | √ | √ | OK | |
| 2-11 | jd96236-5 | 3w88793 | MS85123 | CTC, TCE, CHLFRM | a1373 | 100 | 1 | | ↑3 | √ | RR | ISTD out |
| 2-12 | jd96236-6 | 3w88794 | MS85123 | CTC, TCE, CHLFRM | a2361 | 100 | 1 | | ↑1 | √ | RR | ISTD out |
| 2-13 | jd96236-7 | 3w88795 | MS85123 | CTC, TCE, CHLFRM | a2333 | 100 | 1 | | ↑1 | √ | RR | ISTD out |
| 2-14 | scc,cp12875 | 3w88796 | | | a2049 | 400 | | | ↑3 | √ | RR | ISTD out |
| 2-15 | scc,cp12875 | 3w88797 | | | a852 | 400 | | | √ | √ | OK | |
| 2-16 | scc,cp12875 | 3w88798 | | | a645 | 400 | | | √ | √ | OK | |
| 2-1 | scc,cp12873 | 3w88799 | | | a2143 | 400 | | | √ | √ | RR | Reclean |
| 2-2 | scc,cp12873 | 3w88800 | | | a864 | 400 | | | ↓3 | √ | RR | ISTD out |
| 2-3 | scc,cp12873 | 3w88801 | | | a2105 | 400 | | | √ | √ | OK | |
| 2-4 | scc,cp12873 | 3w88802 | | | m034 | 400 | | | √ | √ | OK | |
| 2-5 | scc,cp12873 | 3w88803 | | | a1169 | 400 | | | ↓3 | √ | RR | ISTD out |
| 2-6 | scc,cp12873 | 3w88804 | | | a243 | 400 | | | √ | √ | OK | |
| 2-7 | scc,cp12873 | 3w88805 | | | a1855 | 400 | | | ↓3 | √ | RR | ISTD out |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1737 | AS10298 | 5/31/2025 | 100 |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD | A1806 | AS10428 | 10/1//2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V3W3503**
**Date:** **9/19/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 3WTO15.M
Sequence File: 3W20240919.S
Initial Calibration Method: M3W3499.M
Concentrator Method: 3WTO15E.CTD3
**Data Validator(s):** **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A1784 | AS10508 | 12/30/2024 | 0.5 |
| TO-15 STD | A2040 | AS10510 | 1/5/2025 | 5.0 |
| TO-15 STD | A1788 | AS10499 | 12/28/2024 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2125**
**Date: 12/8/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6 | ib | 5w55453 | | | A2040 | 20 | | | | | - | |
| 1-3 | ib | 5w55454 | | | A1784 | 20 | | | | | - | |
| 1-2 | ib | 5w55455 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55456 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55457 | | | A959 | 20 | | | | | - | |
| 1-3 | bfb | 5w55458 | | | A1784 | 32 | | | | | OK | T = 10:53 |
| 1-3 | ic2125-0.04 | 5w55459 | | | A1784 | 32 | | | √ | √ | OK | |
| 1-3 | ic2125-0.1 | 5w55460 | | | A1784 | 80 | | | √ | √ | OK | |
| 1-3 | ic2125-0.2 | 5w55461 | | | A1784 | 160 | | | √ | √ | OK | |
| 1-3 | ic2125-0.5 | 5w55462 | | | A1784 | 400 | | | | | NOT USED | Testing Purposes |
| 1-6 | ic2125-0.5 | 5w55463 | | | A2040 | 40 | | | √ | √ | OK | |
| 1-6 | ic2125-5 | 5w55464 | | | A2040 | 400 | | | √ | √ | OK | |
| 1-1 | ic2125-5 | 5w55465 | | | A1788 | 40 | | | | | NOT USED | Testing Purposes |
| 1-1 | icc2125-10 | 5w55466 | | | A1788 | 80 | | | √ | √ | OK | |
| 1-1 | ic2125-20 | 5w55467 | | | A1788 | 160 | | | √ | √ | OK | |
| 1-1 | ic2125-40 | 5w55468 | | | A1788 | 320 | | | √ | √ | OK | |
| 1-1 | ic2125-50 | 5w55469 | | | A1788 | 400 | | | √ | √ | OK | |
| 1-2 | ib | 5w55470 | | | A959 | 200 | | | | | - | |
| 1-2 | ib | 5w55471 | | | A959 | 100 | | | | | - | |
| 1-5 | icv2125-10 | 5w55472 | | | A1795 | 80 | | | | | RR | Nap ↑ |
| 1-5 | icv2125-10 | 5w55473 | | | A1795 | 80 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2132**
**Date: 12/16/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55661 | | | A959 | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55662 | | | A974 | 80 | | | | | RR | Acetone ↓, acrylonitrile ↓. Retune instrument |
| 1-2 | bfb | 5w55663 | | | a959 | 20 | | | | | OK | T = 12:41 |
| 1-1 | cc2125-10 | 5w55664 | | | A974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, HCBD ↑ |
| 1-1 | bs | 5w55665 | | | A974 | 80 | | | √ | √ | OK | CDFM ↑, THF ↑, MEK ↑, HCBD ↑ |
| 1-1 | bsd | 5w55666 | | | A974 | 80 | | | √ | √ | OK | CDFM ↑, MTBE ↑, THF ↑, MEK ↑, ethyl acetate ↑, 12DCA ↑, T-1,3-TCP ↑, HCBD ↑ |
| 1-1 | ib | 5w55667 | | | a974 | 80 | | | | | - | |
| 1-2 | ib | 5w55668 | | | a959 | 100 | | | | | - | |
| 1-2 | mb | 5w55669 | | | a959 | 400 | | | | | | |
| 1-3 | mb | 5w55670 | | | a1800 | 400 | | + | √ | √ | OK | |
| 1-3 | scc,cp12944 | 5w55670a | | | a1800 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12944 | 5w55671 | | | a1844 | 400 | | | √ | √ | OK | |
| 1-5 | scc,cp12944 | 5w55672 | | | a343 | 400 | | | √ | √ | OK | |
| 1-6 | je2487-2 | 5w55673 | MS88104 | NYLL | a1678 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-7 | je2487-4 | 5w55674 | MS88104 | NYLL | a1659 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-7 | je2487-4dup | 5w55675 | MS88104 | NYLL | a1659 | 500 | 1 | | √ | √ | OK | |
| 1-8 | je2487-6 | 5w55676 | MS88104 | NYLL | a1284 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-9 | je1101-6r | 5w55677 | MS87842 | STD+, Nap | a1682 | 100 | 1 | | √ | √ | OK | |
| 1-10 | je1101-7r | 5w55678 | MS87842 | STD+, Nap | a1740 | 100 | 1 | | √ | √ | OK | |
| 1-11 | je1101-8r | 5w55679 | MS87842 | STD+, Nap | a770 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je1101-9r | 5w55680 | MS87842 | STD+, Nap | a1656 | 100 | 1 | | √ | √ | OK | |
| 1-13 | je2021-1 | 5w55681 | MS87842 | STD | tbag,m323 | 40 | 1 | | √ | √ | OK | |
| 1-14 | je2021-2 | 5w55682 | MS87842 | STD | tbag,a599 | 100 | 1 | | √ | √ | OK | |
| 1-15 | je2387-1 | 5w55683 | MS88056 | STD, Nap | a1905 | 100 | 1 | | √ | √ | OK | |
| 1-16 | je2387-2 | 5w55684 | MS88056 | STD, Nap | a2351 | 100 | 1 | | √ | √ | OK | |
| 1-2 | je2387-3 | 5w55685 | MS88056 | STD, Nap | a2554 | 100 | 1 | | √ | √ | OK | |
| 1-3 | je1889-1 | 5w55686 | MS87800 | STD | m223 | 100 | 1 | | √ | √ | OK | |
| 1-4 | je2389-1 | 5w55687 | MS88056 | STD,propbenz, cumene | a2359 | 100 | 1 | | √ | √ | OK | |
| 1-5 | scc,cp12943 | 5w55688 | | | a646 | 400 | | | √ | √ | OK | |
| 1-6 | je2484-1 | 5w55689 | MS88104 | STD+, Nap | a1613 | 400 | 1 | + | √ | √ | OK | |
| 1-7 | je2478-1 | 5w55690 | MS88104 | STD+, Nap | a1751 | 400 | 1 | + | √ | √ | OK | |
| 1-8 | je2478-2 | 5w55691 | MS88104 | STD+, Nap | a1730 | 400 | 1 | + | √ | √ | OK | |
| 1-3 | je2781-1 | 5w55692 | | SL | a1650 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2781-2 | 5w55693 | | SL | a1665 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2781-2 | 5w55694 | | SL | a1665 | 100 | 1 | | √ | √ | OK | |
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## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/6/2024 | TH | JE2021-1 | tbag,M323 | | 0.28 | 1.00 | | | | | 0 | #DIV/0! | **1.00** |
| 12/6/2024 | TH | JE2021-2 | tbag,A599 | | 1.02 | 1.00 | | | | | 0 | #DIV/0! | **1.00** |
| | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2132**
**Date: 12/16/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55695 | | | Open position | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55696 | | | A974 | 80 | | | | | RR | canister valve closed |
| 1-1 | cc2125-10 | 5w55697 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | cc2125-10 | 5w55698 | | | a974 | 80 | | | | | RR | Acetone ↓. Retune instrument |
| 1-2 | bfb | 5w55699 | | | Open position | 20 | | | | | OK | T = 19:52 |
| 1-1 | cc2125-10 | 5w55700 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55701 | | | a974 | 80 | | | √ | √ | OK | MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55702 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | bsd | 5w55703 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑ |
| 1-2 | ib | 5w55704 | | | a2039 | 80 | | | | | - | |
| 1-2 | ib | 5w55705 | | | a2039 | 200 | | | | | - | |
| 1-2 | mb | 5w55706 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55707 | | | a061 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55708 | | | a2175 | 400 | | | √ | √ | RECLEAN | Multiple hits. |
| 1-3 | scc,cp12948 | 5w55709 | | | a2150 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55710 | | | a1184 | 400 | | | √ | √ | RECLEAN | Nap ↑, 124TCB ↑ |
| 1-3 | scc,cp12946 | 5w55711 | | | m162 | 400 | | | √ | √ | RECLEAN | ethanol hit |
| 1-2 | scc,cp12947 | 5w55712 | | | a466 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55713 | | | a1184 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55714 | | | a2119 | 400 | | | √ | √ | OK | |
| 1-5 | je2488-1 | 5w55715 | MS88104 | NYLL | a1324 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-6 | je2488-2 | 5w55716 | MS88104 | NYLL | a879 | 500 | 1 | | ↓1 | √ | OK | for QC purpose only |
| 1-6 | je2488-2dup | 5w55717 | MS88104 | NYLL | a879 | 500 | 1 | | ↑1 | √ | OK | |
| 1-7 | je2489-2 | 5w55718 | MS88104 | NYLL | a1629 | 500 | 1 | | ↓123 | √ | OK/DL | ISTD out |
| 1-8 | je2489-4 | 5w55719 | MS88104 | NYLL | a1190 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-9 | je2490-2 | 5w55720 | MS88104 | NYLL | a1736 | 500 | 1 | | ↓1 | √ | OK/DL | |
| 1-10 | je2490-4 | 5w55721 | MS88104 | NYLL | a2540 | 500 | 1 | | √ | √ | OK/DL | |
| 1-11 | je2491-2 | 5w55722 | MS88104 | NYLL | a1735 | 500 | 1 | | √ | √ | OK/DL | |
| 1-12 | je2491-4 | 5w55723 | MS88104 | NYLL | a1688 | 500 | 1 | | √ | √ | OK/DL | |
| 1-13 | je2487-2 | 5w55724 | MS88104 | NYLL | a1678 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2487-4 | 5w55725 | MS88104 | NYLL | a1659 | 20 | 1 | | √ | √ | OK | |
| 1-15 | je2487-6 | 5w55726 | MS88104 | NYLL | a1284 | 100 | 1 | | | | | Sequence stopped by analyst |
| 1-16 | je2487-3 | 5w55727 | MS88104 | NYSVLL | a1737 | 200 | 1 | | | | | Sequence stopped by analyst |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Initial | Sample ID | Canister SN | Vacuum at Time of | Final Pressure (psig) | Dilution Factor | Canister SN | Canister | Sample Volume | Final Pressure | Equivalent Total Volume | Dilution Factor | Final Canister Dilution Factor |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Initial | Sample ID | Canister SN | Dilution (inHg) | Final Pressure (psig) | Dilution Factor | Canister SN | Volume (cc) | Added (cc) | (psig) | | (cc) | Dilution Factor | Final Canister Dilution Factor |
| | | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2135**
**Date: 12/19/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55749 | | | a2039 | 400 | | | | | | |
| 1-1 | cc2125-10 | 5w55750 | | | A974 | 80 | | | | | | |
| 1-2 | bfb | 5w55751 | | | a2039 | 20 | | | | | OK | T = 15:40 |
| 1-1 | cc2125-10 | 5w55752 | | | A974 | 80 | | | √ | √ | OK | MTBE ↑, THF ↑, MEK ↑, EACE ↑, MACRYLATE ↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1,2ATCB ↑ |
| 1-1 | bs | 5w55753 | | | A974 | 80 | | | √ | √ | OK | TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 1DDCA↑, ETHYLACR ↑, MMC ↑, T3DCP ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑, 1ATCB ↑ |
| 1-1 | bsd | 5w55754 | | | A974 | 80 | | | √ | √ | OK | TBA ↑, MTBE ↑, THF ↑, VACE ↑, MEK ↑, EACE ↑, MACRYLATE ↑, 24DMPT ↑, 12DCAT ↑, ETHYLACR ↑, heptane ↑, MMC ↑, T13DCP ↑, EMC ↑, octane ↑, nonane ↑, BMF ↑, HCBD ↑ |
| 1-2 | ib | 5w55755 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55756 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12949 | 5w55757 | | | a1379 | 100 | | | √ | √ | RR | reclean |
| 1-4 | scc,cp12949 | 5w55758 | | | a2278 | 100 | | | √ | √ | RR | reclean |
| 1-5 | scc,cp12949 | 5w55759 | | | a2308 | 100 | | | √ | √ | OK | |
| 1-3 | scc,cp12949 | 5w55760 | | | a1379 | 100 | | | √ | √ | OK | |
| 1-4 | scc,cp12949 | 5w55761 | | | a2278 | 100 | | | √ | √ | OK | |
| 1-5 | scc,cp12937 | 5w55762 | | | a2268 | 100 | | | √ | √ | OK | |
| 1-6 | je2666-1 | 5w55763 | MS88187 | STD | m174 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2666-1dup | 5w55764 | MS88187 | STD | m174 | 100 | 1 | | √ | √ | OK | |
| 1-7 | je2389-1 | 5w55765 | MS88056 | STD, propbnz, cumene | a2359 | 310 | 1.55 | | √ | √ | OK | |
| 1-8 | je2808-1 | 5w55766 | MS88278 | STD+, Nap | a752 | 400 | 1 | | √ | √ | OK | |
| 1-9 | je2808-2 | 5w55767 | MS88278 | STD+, Nap | a902 | 400 | 1 | | √ | √ | OK | |
| 1-10 | je2487-1 | 5w55768 | MS88104 | NYSVLL, Nap | m140 | 400 | 1 | | ↓3 | √ | OK/DL | Acetone ↑ RR 100mL |
| 1-11 | je2487-3 | 5w55769 | MS88104 | NYSVLL, Nap | a1737 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je2487-5 | 5w55770 | MS88104 | NYSVLL, Nap | a1597 | 400 | 1 | | √ | √ | OK/DL | Acetone ↑ RR 100mL |
| 1-13 | je2487-6 | 5w55771 | MS88104 | NYLL, Nap | a1284 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2488-1 | 5w55772 | MS88104 | NYSVLL | a1324 | 500 | 1 | | √ | √ | OK | |
| 1-15 | je2488-2 | 5w55773 | MS88104 | NYSVLL | a879 | 500 | 1 | | √ | √ | OK | |
| 1-16 | je2489-1 | 5w55774 | MS88104 | NYSVLL | a231 | 400 | 1 | | ↓3 | √ | RR | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V5W2135**
**Date:** **12/19/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241219.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s):** **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2138**
**Date: 12/23/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55817 | | | a2039 | 20 | | | | | RR | |
| 1-1 | bfb | 5w55818 | | | A974 | 80 | | | | | OK | T = 08:13 |
| 1-1 | cc2125-10 | 5w55819 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55820 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55821 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55822 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55823 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | scc,cp12951 | 5w55824 | | | a1634 | 400 | | | √ | √ | OK | |
| 1-3 | je2315-1 | 5w55825 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-3 | je2315-1dup | 5w55826 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2487-1 | 5w55827 | MS88104 | NYSVLL, Nap | m140 | 100 | 1 | | √ | √ | OK | |
| 1-5 | je2487-5 | 5w55828 | MS88104 | NYSVLL, Nap | a1597 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2489-1 | 5w55829 | MS88104 | NYSVLL, Nap | a231 | 400 | 1 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55830 | MS88104 | NYSVLL, Nap | a1761 | 20 | 1 | | √ | √ | OK | |
| 1-8 | je2491-2 | 5w55831 | MS88104 | NYLL, Nap | a1735,m442 | 200 | 135 | | √ | √ | OK | |
| 1-9 | je2491-4 | 5w55832 | MS88104 | NYLL, Nap | a1688 | 5 | 1 | | √ | √ | OK/DL | Acetate ↑ RR 200x |
| 1-10 | je2661-3 | 5w55833 | MS88187 | STD | a664 | 400 | 1 | | √ | √ | OK | |
| 1-11 | je2661-4 | 5w55834 | MS88187 | STD | m116 | 400 | 1 | | √ | √ | OK | |
| 1-12 | je2661-5 | 5w55835 | MS88187 | STD | a2137 | 400 | 1 | | √ | √ | OK | |
| 1-13 | je2792-1 | 5w55836 | MS88386 | STD | a738 | 400 | 1 | | √ | √ | OK | |
| 1-14 | je2792-2 | 5w55837 | MS88386 | STD | a2109 | 400 | 1 | | √ | √ | OK | |
| 1-15 | je2792-3 | 5w55838 | MS88386 | STD | a1817 | 400 | 1 | | √ | √ | OK/DL | Ethyl acetate ↑ RR 100mL |
| 1-16 | je2792-4 | 5w55839 | MS88386 | STD | a1873 | 720 | 1.8 | | √ | √ | OK | |
| 1-2 | je2792-5 | 5w55840 | MS88386 | STD | m137 | 400 | 1 | | | | RR | Canister valve closed. |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/23/2024 | TH | je2491-2 | a1735 | 6.0 | 1.20 | 1.35 | m442 | 1000 | 20 | 14.7 | 2000 | 100 | **135** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Conc. (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2038 | AS10402 | 9/18/2024 | 0.5 |
| TO-15 STD | A2045 | AS10401 | 9/18/2024 | 5.0 |
| TO-15 STD | A1805 | AS10384 | 9/14/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| | | | | |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W305**
**Date: 8/18/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
**Data Validator: Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w07973 | | | A2036 | 100 | | | | | - | |
| 2-1 | bfb | 7w07974 | | | A2038 | 32 | | | | | OK | T = 21:06 |
| 2-1 | ic305-0.04 | 7w07975 | MS80966 | STD+NAP | A2038 | 32 | | | √ | √ | OK | |
| 2-1 | ic305-0.1 | 7w07976 | MS80966 | STD+NAP | A2038 | 80 | | | √ | √ | OK | |
| 2-1 | ic305-0.2 | 7w07977 | MS80966 | STD+NAP | A2038 | 160 | | | √ | √ | OK | |
| 2-2 | ic305-0.5 | 7w07978 | MS80966 | STD+NAP | A2045 | 40 | | | √ | √ | OK | |
| 2-2 | ic305-5 | 7w07979 | MS80966 | STD+NAP | A2045 | 400 | | | √ | √ | OK | |
| 2-3 | icc305-10 | 7w07980 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-3 | ic305-20 | 7w07981 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-3 | ic305-40 | 7w07982 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-3 | ic305-50 | 7w07983 | MS80966 | STD+NAP | A1805 | 400 | | | √ | √ | OK | |
| 2-5 | ib | 7w07984 | | | A2036 | 20 | | | | | - | |
| 2-5 | ib | 7w07985 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07986 | MS80966 | STD+NAP | A1795 | 100 | | | | | NOT USED | Wrong volume. |
| 2-5 | ib | 7w07987 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07988 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07989 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07990 | MS80966 | STD+NAP | A1795 | 80 | | | √ | √ | OK | ↑ Benzyl Chloride |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
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| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W379**
**Date: 11/6/2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10298 | | | a2036 | 20 | | | | | OK | T = 08:30 |
| C2 | cc305-10 | 7w10299 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑ |
| C2 | bs | 7w10300 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑, F115 ↑ |
| C2 | bsd | 7w10301 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F152A ↑, F115 ↑ |
| C1 | ib | 7w10302 | | | a2036 | 100 | | | | | - | |
| C1 | mb | 7w10303 | | | a2036 | 400 | | + | √ | √ | OK | |
| C3 | jd98975-1 | 7w10304 | MS86560 | SL+ | a2527 | 400 | 1 | + | √ | √ | OK | |
| C3 | jd98975-1dup | 7w10305 | MS86560 | SL+ | a2527 | 400 | 1 | | √ | √ | OK | |
| C4 | jd98975-2 | 7w10306 | MS86560 | SL+ | a2532 | 400 | 1 | + | √ | √ | OK | |
| C5 | jd98975-3 | 7w10307 | MS86560 | SL+ | a2492 | 592 | 1.48 | + | √ | √ | OK | |
| C6 | jd98975-4 | 7w10308 | MS86560 | SL+ | a2465 | 400 | 1 | + | √ | √ | OK | |
| C7 | jd98975-5 | 7w10309 | MS86560 | SL+ | a2476 | 400 | 1 | + | √ | √ | OK | |
| A1 | jd99451-1 | 7w10310 | MS86734 | STD, Nap | a1944 | 20 | 1 | | √ | √ | OK | |
| C8 | scc,cp12898 | 7w10311 | | | a1763 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12898 | 7w10312 | | | a295 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12898 | 7w10313 | | | a858 | 400 | | | √ | √ | OK | |
| D2 | scc,cp12898 | 7w10314 | | | m172 | 400 | | | √ | √ | OK | |
| C3 | scc,cp12909 | 7w10315 | | | a276 | 400 | | | √ | √ | OK | |
| C4 | scc,cp12909 | 7w10316 | | | a1206 | 400 | | | √ | √ | OK | |
| C5 | scc,cp12909 | 7w10317 | | | a2027 | 400 | | | √ | √ | OK | |
| C6 | scc,cp12909 | 7w10318 | | | a2131 | 400 | | | √ | √ | OK | |
| C7 | scc,cp12909 | 7w10319 | | | a1741 | 400 | | | √ | √ | OK | |
| C8 | scc,cp12909 | 7w10320 | | | a1711 | 400 | | | √ | √ | RR | Wrong canister connected to autosampler. |
| A2 | scc,cp12912 | 7w10321 | | | a1561 | 100 | | | √ | √ | OK | |
| A3 | scc,cp12913 | 7w10322 | | | a1455 | 100 | | | √ | √ | OK | |
| A4 | scc,cp12913 | 7w10323 | | | a2550 | 100 | | | √ | √ | OK | |
| A5 | scc,cp12913 | 7w10324 | | | a1543 | 100 | | | √ | √ | OK | |
| A6 | scc,cp12913 | 7w10325 | | | a2590 | 100 | | | √ | √ | OK | 02:47am |
| C8 | scc,cp12915 | 7w10326 | | | a2499 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12915 | 7w10327 | | | a2479 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12915 | 7w10328 | | | a2519 | 400 | | | √ | √ | OK | |
| D2 | scc,cp12915 | 7w10329 | | | a2536 | 400 | | | √ | √ | OK | |
| D3 | scc,cp12915 | 7w10330 | | | a2481 | 400 | | | √ | √ | OK | |
| D4 | scc,cp12915 | 7w10331 | | | a2525 | 400 | | | √ | √ | OK | |
| D5 | scc,cp12915 | 7w10332 | | | a2515 | 400 | | | √ | √ | OK | |
| D6 | scc,cp12915 | 7w10333 | | | a2470 | 400 | | | √ | √ | OK | t = 08:18 |
| D7 | scc,cp12915 | 7w10334 | | | a2514 | 400 | | | | | NOT USED | Analyst stopped sequence. |
| D8 | scc,cp12915 | 7w10335 | | | a2446 | 400 | | | | | NOT USED | Analyst stopped sequence. |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W379**
**Date:** **11/6/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241106.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W387**
**Date: 11/18//2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10575 | | | a2039 | 20 | | | | | OK | t = 08:59 |
| C2 | cc305-10 | 7w10576 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑ |
| C2 | bs | 7w10577 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C2 | bsd | 7w10578 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C1 | ib | 7w10579 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10580 | | | a2039 | 400 | | + | √ | √ | OK | |
| C3 | je571-1 | 7w10581 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | RR | Bad purge |
| C4 | jd99820-1 | 7w10582 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C4 | jd99820-1dup | 7w10583 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C5 | je569-1 | 7w10584 | MS87221 | STD+, Nap | a473 | 400 | 1 | + | √ | √ | OK | |
| C6 | je569-3 | 7w10585 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | RR | Bad purge |
| C7 | je569-4 | 7w10586 | MS87221 | STD+, Nap | a1835 | 400 | 1 | + | √ | √ | OK | |
| C8 | je569-5 | 7w10587 | MS87221 | STD+, Nap | a1350 | 400 | 1 | + | √ | √ | OK | |
| C9 | je569-6 | 7w10588 | MS87221 | STD+, Nap | a1301 | 400 | 1 | + | √ | √ | OK | |
| D1 | je569-8 | 7w10589 | MS87221 | STD+, Nap | m226 | 400 | 1 | + | | | RR | 4-Bromofluorobenzene RT shift |
| D2 | je569-9 | 7w10590 | MS87221 | STD+, Nap | m118 | 400 | 1 | + | √ | √ | OK | |
| D3 | je603-1 | 7w10591 | MS87221 | STD+, Nap | a1645 | 400 | 1 | + | √ | √ | OK | |
| D4 | je603-2 | 7w10592 | MS87221 | STD+, Nap | a357 | 400 | 1 | + | √ | √ | OK | |
| C3 | je571-1 | 7w10593 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | OK | |
| A1 | jd435-1 | 7w10594 | MS87175 | STD, Nap | a1972 | 100 | 1 | | √ | √ | OK | |
| A2 | jd435-5 | 7w10595 | MS87175 | STD, Nap | a2269 | 100 | 1 | | √ | √ | OK | |
| A3 | jd435-6 | 7w10596 | MS87175 | STD, Nap | a2569 | 100 | 1 | | √ | √ | OK | |
| A4 | jd605-1 | 7w10597 | MS87221 | STD, Nap | a2586 | 100 | 1 | | √ | √ | OK | |
| A5 | jd605-2 | 7w10598 | MS87221 | STD, Nap | a2596 | 100 | 1 | | √ | √ | OK | |
| A6 | jd605-3 | 7w10599 | MS87221 | STD, Nap | a2271 | 100 | 1 | | √ | √ | OK | |
| A7 | jd99809-1 | 7w10600 | MS86930 | PAUGTMB, EDB, EDC | a1524 | 100 | 1 | | √ | √ | RR | ISTD/SURR RT shift |
| A8 | jd99809-2 | 7w10601 | MS86930 | PAUGTMB, EDB, EDC | a2305 | 100 | 1 | | √ | √ | OK | |
| A9 | jd99809-3 | 7w10602 | MS86930 | PAUGTMB, EDB, EDC | a2198 | 100 | 1 | | √ | √ | OK | |
| A10 | scc, cp12923 | 7w10603 | | | a2567 | 100 | | | √ | √ | OK | |
| B1 | scc, cp12924 | 7w10604 | | | a1450 | 100 | | | √ | √ | OK | |
| D5 | scc, cp12922 | 7w10605 | | | a779 | 400 | | | √ | √ | OK | |
| D6 | scc, cp12922 | 7w10606 | | | a1171 | 400 | | | √ | √ | OK | |
| D7 | scc, cp12922 | 7w10607 | | | m053 | 400 | | | √ | √ | OK | |
| C6 | je569-3 | 7w10608 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | OK | 6:51 |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W387**
**Date:** **11/18//2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10742 | | | a2039 | 20 | | | | | OK | t = 08:36 |
| C2 | cc305-10 | 7w10743 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bs | 7w10744 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bsd | 7w10745 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C1 | ib | 7w10746 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10747 | | | a2039 | 100 | | | √ | √ | OK | |
| D1 | je988-1 | 7w10748 | MS87406 | STD | a673 | 5 | 1 | | √ | √ | OK | |
| D2 | je988-2 | 7w10749 | MS87406 | STD | a1091 | 5 | 1 | | √ | √ | OK | |
| D3 | je988-3 | 7w10750 | MS87406 | STD | a845 | 5 | 1 | | √ | √ | OK | |
| D4 | je988-4 | 7w10751 | MS87406 | STD | a1318 | 5 | 1 | | √ | √ | OK | |
| D5 | je988-5 | 7w10752 | MS87406 | STD | a992 | 400 | 1 | | √ | √ | OK | |
| A1 | je994-1 | 7w10753 | MS87406 | SL | a2210 | 80 | 1 | | ↑3 | | RR | surr out; istd out |
| A2 | je994-2 | 7w10754 | MS87406 | SL | a2300 | 100 | 1 | | √ | √ | OK | |
| A2 | je994-2dup | 7w10755 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A2 | je994-2dup | 7w10756 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A3 | je1061-1 | 7w10757 | MS87455 | SL | a2253 | 20 | 1 | | √ | √ | OK | |
| A4 | je1061-3 | 7w10758 | MS87455 | SL | a2380 | 10 | 1 | | √ | √ | RR/FD | |
| A5 | je1061-4 | 7w10759 | MS87455 | SL | a2243 | 10 | 1 | | √ | √ | RR/FD | |
| A6 | je1061-5 | 7w10760 | MS87455 | SL | a2225 | 5 | 1 | | √ | √ | RR/FD | |
| A7 | je1061-7 | 7w10761 | MS87455 | SL | a2287 | 10 | 1 | | √ | √ | RR/FD | |
| C1 | ib | 7w10762 | | | a2039 | 20 | | | | | - | |
| A8 | je1061-2 | 7w10763 | MS87455 | SL | a2431 | 100 | 1 | | √ | √ | OK | |
| A9 | je1061-9 | 7w10764 | MS87455 | SL | a2209 | 100 | 1 | | √ | √ | OK | |
| A10 | je1061-10 | 7w10765 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |
| D6 | je1061-6 | 7w10766 | MS87455 | SL | a2581,m163 | 400 | 260 | | √ | √ | OK | |
| D7 | je1061-8 | 7w10767 | MS87455 | SL | a2587,a1758 | 400 | 266 | | √ | √ | OK | |
| C3 | je369-3 | 7w10768 | MS87131 | SL3 | a233 | 400 | 1 | | √ | √ | OK | |
| C4 | je369-4 | 7w10769 | MS87131 | SL3 | a2160 | 400 | 1 | | √ | √ | RR | low ISTD |
| C5 | je369-5 | 7w10770 | MS87131 | SL3 | a216 | 400 | 1 | | √ | √ | RR | RT shift |
| A1 | je994-1 | 7w10771 | MS87406 | SL | a2210 | 100 | 1 | | √ | √ | OK | |
| C6 | scc,cp12920 | 7w10772 | | | a1623 | 400 | | | √ | √ | OK | |
| C7 | scc,cp12920 | 7w10773 | | | a1689 | 400 | | | √ | √ | OK | |
| C8 | scc,cp12920 | 7w10774 | | | a2010 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12920 | 7w10775 | | | a2095 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12926 | 7w10776 | | | a2187 | 400 | | | √ | √ | RECLEAN | |
| D8 | scc,cp12926 | 7w10777 | | | a1858 | 400 | | | √ | √ | OK | |
| D9 | scc,cp12926 | 7w10778 | | | a2144 | 400 | | | √ | √ | RECLEAN | |
| A10 | je1061-10dup | 7w10779 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 11/25/2024 | wc | je1061-6 | a2581 | 5.0 | 1.20 | 1.30 | m163 | 6000 | 50 | 9.8 | 10000 | 200 | **260** |
| 11/25/2024 | wc | je1061-8 | a2587 | 5.5 | 1.20 | 1.33 | a1758 | 6000 | 50 | 9.8 | 10000 | 200 | **266** |
| | | | | | | | | | | | | | |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*
*Automated Report*

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2489

Sampling Date: 12/10/24

Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **494**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

Client Service contact: Marie Meidhof 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

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Test results relate only to samples analyzed.



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how we can serve you better at:
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SGS North America Inc.

# Sample Summary

Groundwater & Environmental Services

**Job No:** JE2489

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| This report contains results reported as ND = Not detected. The following applies: | | | | | | | |
| Organics ND = Not detected above the RL | | | | | | | |
| JE2489-1 | 12/10/24 | 18:55 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-7 |
| JE2489-2 | 12/10/24 | 19:00 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-7 |
| JE2489-3 | 12/10/24 | 19:05 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-8 |
| JE2489-4 | 12/10/24 | 19:10 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-8 |

# CASE NARRATIVE / CONFORMANCE SUMMARY

| | | | |
|---|---|---|---|
| **Client:** | Groundwater & Environmental Services | **Job No:** | JE2489 |
| **Site:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | **Report Date** | 12/26/2024 5:22:13 A |

On 12/12/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JE2489 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2136

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2665-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2489-2, JE2489-3, JE2489-4 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of Bromoform, Hexachlorobutadiene, 1,2,4-Trichlorobenzene, 1,3-Butadiene, Acetone (2-Propanone), Methyl ethyl ketone, Tetrahydrofuran are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits for sample JE2665-1DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2489-2 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-2 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-2 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- V5W2136-BS for Tetrahydrofuran: Outside in house control limits.
- JE2489-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2136-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2136-BS for Acetone (2-Propanone): Outside in house control limits.
- V5W2136-BS for 1,3-Butadiene: Outside in house control limits.
- V5W2136-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2136

- V5W2136-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2136-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- JE2489-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-4 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2489-4 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-2 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-4 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2489-4 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2489-3 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-3 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2489-3 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2489-3 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2489-4 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2489-4 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2489-1 have compounds reported with “E” qualifiers indicating estimated value exceeding calibration range.
- The blank spike (BS) recovery(s) of 1,2,4-Trichlorobenzene, Bromoform, Hexachlorobutadiene are outside control limits.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits for sample JE2315-1DUP. RPD acceptable due to low DUP and sample concentrations.
- JE2489-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2138-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2138

- V5W2138-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2138-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2489-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2489-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

# Summary of Hits



**Job Number:** JE2489
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2489-1** | **SS-7** | | | | | |
| Acetone (2-Propanone) | | 14.0 | 0.20 | | ppbv | TO-15 |
| Benzene | | 0.26 | 0.20 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 2.7 | 0.20 | | ppbv | TO-15 |
| m-Dichlorobenzene | | 0.28 | 0.10 | | ppbv | TO-15 |
| Ethanol | | 160 E | 0.50 | | ppbv | TO-15 |
| Ethyl Acetate | | 6.7 | 0.20 | | ppbv | TO-15 |
| Heptane | | 0.33 | 0.20 | | ppbv | TO-15 |
| Hexane | | 1.6 | 0.20 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 48.9 | 0.20 | | ppbv | TO-15 |
| Methylene chloride | | 1.9 | 0.20 | | ppbv | TO-15 |
| Methyl ethyl ketone | | 2.1 | 0.20 | | ppbv | TO-15 |
| Naphthalene | | 0.21 | 0.20 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 4.3 | 0.20 | | ppbv | TO-15 |
| Tetrachloroethylene | | 12.4 | 0.040 | | ppbv | TO-15 |
| Toluene | | 0.69 | 0.20 | | ppbv | TO-15 |
| Trichloroethylene | | 0.051 | 0.040 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 20.8 | 0.10 | | ppbv | TO-15 |
| Vinyl Acetate | | 0.95 | 0.20 | | ppbv | TO-15 |
| m,p-Xylene | | 0.27 | 0.20 | | ppbv | TO-15 |
| Xylenes (total) | | 0.37 | 0.20 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 33.3 | 0.48 | | ug/m3 | TO-15 |
| Benzene | | 0.83 | 0.64 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 13 | 0.99 | | ug/m3 | TO-15 |
| m-Dichlorobenzene | | 1.7 | 0.60 | | ug/m3 | TO-15 |
| Ethanol | | 301 E | 0.94 | | ug/m3 | TO-15 |
| Ethyl Acetate | | 24 | 0.72 | | ug/m3 | TO-15 |
| Heptane | | 1.4 | 0.82 | | ug/m3 | TO-15 |
| Hexane | | 5.6 | 0.70 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 120 | 0.49 | | ug/m3 | TO-15 |
| Methylene chloride | | 6.6 | 0.69 | | ug/m3 | TO-15 |
| Methyl ethyl ketone | | 6.2 | 0.59 | | ug/m3 | TO-15 |
| Naphthalene | | 1.1 | 1.0 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 13 | 0.61 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 84.1 | 0.27 | | ug/m3 | TO-15 |
| Toluene | | 2.6 | 0.75 | | ug/m3 | TO-15 |
| Trichloroethylene | | 0.27 | 0.21 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 117 | 0.56 | | ug/m3 | TO-15 |
| Vinyl Acetate | | 3.3 | 0.70 | | ug/m3 | TO-15 |
| m,p-Xylene | | 1.2 | 0.87 | | ug/m3 | TO-15 |
| Xylenes (total) | | 1.6 | 0.87 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2489
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2489-2** | **IA-7** | | | | | |
| Acetone (2-Propanone) [a] | | 21.0 | 0.16 | | ppbv | TO-15 |
| Benzene | | 0.44 | 0.16 | | ppbv | TO-15 |
| Chloroform | | 0.17 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.52 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.084 | 0.032 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.50 | 0.16 | | ppbv | TO-15 |
| Ethanol [b] | | 530 E | 0.40 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 4.0 | 0.16 | | ppbv | TO-15 |
| Heptane | | 0.26 | 0.16 | | ppbv | TO-15 |
| Hexane | | 0.33 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 13.8 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | | 0.45 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [d] | | 0.47 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | | 1.9 | 0.16 | | ppbv | TO-15 |
| Toluene | | 0.28 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.41 | 0.080 | | ppbv | TO-15 |
| Acetone (2-Propanone) [a] | | 49.9 | 0.38 | | ug/m3 | TO-15 |
| Benzene | | 1.4 | 0.51 | | ug/m3 | TO-15 |
| Chloroform | | 0.83 | 0.78 | | ug/m3 | TO-15 |
| Chloromethane | | 1.1 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.53 | 0.20 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.5 | 0.79 | | ug/m3 | TO-15 |
| Ethanol [b] | | 999 E | 0.75 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 14 | 0.58 | | ug/m3 | TO-15 |
| Heptane | | 1.1 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 1.2 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 33.9 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 1.6 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [d] | | 1.4 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 7.8 | 0.66 | | ug/m3 | TO-15 |
| Toluene | | 1.1 | 0.60 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 2.3 | 0.45 | | ug/m3 | TO-15 |
| **JE2489-3** | **SS-8** | | | | | |
| Acetone (2-Propanone) [a] | | 13.1 | 0.20 | | ppbv | TO-15 |
| Benzene | | 0.20 | 0.20 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.84 | 0.20 | | ppbv | TO-15 |
| m-Dichlorobenzene | | 0.18 | 0.10 | | ppbv | TO-15 |
| Ethanol [b] | | 156 E | 0.50 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 4.4 | 0.20 | | ppbv | TO-15 |
| Hexane | | 1.0 | 0.20 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 54.1 E | 0.20 | | ppbv | TO-15 |

# Summary of Hits

**Job Number:** JE2489
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Methylene chloride | | 1.3 | 0.20 | | ppbv | TO-15 |
| Methyl ethyl ketone [d] | | 1.9 | 0.20 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 4.2 | 0.20 | | ppbv | TO-15 |
| Tetrachloroethylene | | 2.1 | 0.040 | | ppbv | TO-15 |
| Toluene | | 0.45 | 0.20 | | ppbv | TO-15 |
| Trichloroethylene | | 0.055 | 0.040 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 4.9 | 0.10 | | ppbv | TO-15 |
| Vinyl Acetate [e] | | 0.52 | 0.20 | | ppbv | TO-15 |
| Acetone (2-Propanone) [a] | | 31.1 | 0.48 | | ug/m3 | TO-15 |
| Benzene | | 0.64 | 0.64 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 4.2 | 0.99 | | ug/m3 | TO-15 |
| m-Dichlorobenzene | | 1.1 | 0.60 | | ug/m3 | TO-15 |
| Ethanol [b] | | 294 E | 0.94 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 16 | 0.72 | | ug/m3 | TO-15 |
| Hexane | | 3.5 | 0.70 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 133 E | 0.49 | | ug/m3 | TO-15 |
| Methylene chloride | | 4.5 | 0.69 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [d] | | 5.6 | 0.59 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 13 | 0.61 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 14 | 0.27 | | ug/m3 | TO-15 |
| Toluene | | 1.7 | 0.75 | | ug/m3 | TO-15 |
| Trichloroethylene | | 0.30 | 0.21 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 28 | 0.56 | | ug/m3 | TO-15 |
| Vinyl Acetate [e] | | 1.8 | 0.70 | | ug/m3 | TO-15 |
| **JE2489-4** | **IA-8** | | | | | |
| Acetone (2-Propanone) [a] | | 13.5 | 0.16 | | ppbv | TO-15 |
| Benzene | | 0.28 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.46 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.083 | 0.032 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.52 | 0.16 | | ppbv | TO-15 |
| Ethanol [b] | | 117 E | 0.40 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 0.84 | 0.16 | | ppbv | TO-15 |
| Hexane | | 0.36 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 11.1 | 0.16 | | ppbv | TO-15 |
| Methylene chloride | | 0.53 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [d] | | 0.31 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | | 1.1 | 0.16 | | ppbv | TO-15 |
| Tetrachloroethylene | | 0.17 | 0.032 | | ppbv | TO-15 |
| Toluene | | 0.57 | 0.16 | | ppbv | TO-15 |
| Trichloroethylene | | 0.040 | 0.032 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.29 | 0.080 | | ppbv | TO-15 |
| Acetone (2-Propanone) [a] | | 32.1 | 0.38 | | ug/m3 | TO-15 |
| Benzene | | 0.89 | 0.51 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2489
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Chloromethane | | 0.95 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.52 | 0.20 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.6 | 0.79 | | ug/m3 | TO-15 |
| Ethanol [b] | | 220 E | 0.75 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 3.0 | 0.58 | | ug/m3 | TO-15 |
| Hexane | | 1.3 | 0.56 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 27.3 | 0.39 | | ug/m3 | TO-15 |
| Methylene chloride | | 1.8 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [d] | | 0.91 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 4.5 | 0.66 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 1.2 | 0.22 | | ug/m3 | TO-15 |
| Toluene | | 2.1 | 0.60 | | ug/m3 | TO-15 |
| Trichloroethylene | | 0.21 | 0.17 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 1.6 | 0.45 | | ug/m3 | TO-15 |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike duplicate is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias high.

## Sample Results

Report of Analysis

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-7 | | |
| **Lab Sample ID:** | JE2489-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A231 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55829.D | 1 | 12/23/24 18:20 | TCH | n/a | n/a | V5W2138 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 400 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 14.0 | 0.20 | ppbv | | 33.3 | 0.48 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.26 | 0.20 | ppbv | | 0.83 | 0.64 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.10 | ppbv | | ND | 0.67 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [a] | ND | 0.040 | ppbv | | ND | 0.41 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.040 | ppbv | | ND | 0.25 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 2.7 | 0.20 | ppbv | | 13 | 0.99 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.10 | ppbv | | ND | 0.85 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | 0.28 | 0.10 | ppbv | | 1.7 | 0.60 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.040 | ppbv | | ND | 0.24 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.10 | ppbv | | ND | 0.60 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-7 | | |
| **Lab Sample ID:** | JE2489-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A231 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 160 | 0.50 | ppbv | E | 301 | 0.94 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate | 6.7 | 0.20 | ppbv | | 24 | 0.72 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.10 | ppbv | | ND | 0.70 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.33 | 0.20 | ppbv | | 1.4 | 0.82 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [a] | ND | 0.090 | ppbv | | ND | 0.96 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 1.6 | 0.20 | ppbv | | 5.6 | 0.70 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 48.9 | 0.20 | ppbv | | 120 | 0.49 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 1.9 | 0.20 | ppbv | | 6.6 | 0.69 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone | 2.1 | 0.20 | ppbv | | 6.2 | 0.59 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | 0.21 | 0.20 | ppbv | | 1.1 | 1.0 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.10 | ppbv | | ND | 0.69 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [a] | ND | 0.10 | ppbv | | ND | 0.74 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 4.3 | 0.20 | ppbv | | 13 | 0.61 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 12.4 | 0.040 | ppbv | | 84.1 | 0.27 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.69 | 0.20 | ppbv | | 2.6 | 0.75 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 0.051 | 0.040 | ppbv | | 0.27 | 0.21 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 20.8 | 0.10 | ppbv | | 117 | 0.56 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.040 | ppbv | | ND | 0.10 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | 0.95 | 0.20 | ppbv | | 3.3 | 0.70 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.27 | 0.20 | ppbv | | 1.2 | 0.87 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.37 | 0.20 | ppbv | | 1.6 | 0.87 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-7 | | |
| **Lab Sample ID:** | JE2489-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A231 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 127% | | 65-128% |

(a) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-7 | | |
| **Lab Sample ID:** | JE2489-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1629 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55786.D | 1.45 | 12/20/24 19:55 | TCH | n/a | n/a | V5W2136 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 725 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) [a] | 21.0 | 0.16 | ppbv | | 49.9 | 0.38 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene [b] | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.44 | 0.16 | ppbv | | 1.4 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [c] | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane [d] | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane [d] | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | 0.17 | 0.16 | ppbv | | 0.83 | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.52 | 0.16 | ppbv | | 1.1 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.084 | 0.032 | ppbv | | 0.53 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.16 | ppbv | | ND | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.50 | 0.16 | ppbv | | 2.5 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-7 | | |
| **Lab Sample ID:** | JE2489-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1629 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol [d] | 530 | 0.40 | ppbv | E | 999 | 0.75 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 4.0 | 0.16 | ppbv | | 14 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.26 | 0.16 | ppbv | | 1.1 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.33 | 0.16 | ppbv | | 1.2 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 13.8 | 0.16 | ppbv | | 33.9 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.45 | 0.16 | ppbv | | 1.6 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [f] | 0.47 | 0.16 | ppbv | | 1.4 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 1.9 | 0.16 | ppbv | | 7.8 | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [c] | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.16 | ppbv | | ND | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | ND | 0.16 | ppbv | | ND | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | ND | 0.032 | ppbv | | ND | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.28 | 0.16 | ppbv | | 1.1 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.41 | 0.080 | ppbv | | 2.3 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [g] | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-7 | | |
| **Lab Sample ID:** | JE2489-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1629 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 112% | | 65-128% |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-8 | | |
| **Lab Sample ID:** | JE2489-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1641 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55788.D | 1 | 12/20/24 21:22 | TCH | n/a | n/a | V5W2136 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 400 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) [a] | 13.1 | 0.20 | ppbv | | 31.1 | 0.48 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene [b] | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.20 | 0.20 | ppbv | | 0.64 | 0.64 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.10 | ppbv | | ND | 0.67 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [c] | ND | 0.040 | ppbv | | ND | 0.41 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane [d] | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane [d] | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.040 | ppbv | | ND | 0.25 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.84 | 0.20 | ppbv | | 4.2 | 0.99 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.10 | ppbv | | ND | 0.85 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.040 | ppbv | | ND | 0.16 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | 0.18 | 0.10 | ppbv | | 1.1 | 0.60 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.040 | ppbv | | ND | 0.24 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.10 | ppbv | | ND | 0.60 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





**Client Sample ID:** SS-8
**Lab Sample ID:** JE2489-3
**Matrix:** AIR - Soil Vapor Comp. Summa ID: A1641
**Method:** TO-15
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Date Sampled:** 12/10/24
**Date Received:** 12/12/24
**Percent Solids:** n/a

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol [d] | 156 | 0.50 | ppbv | E | 294 | 0.94 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 4.4 | 0.20 | ppbv | | 16 | 0.72 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.10 | ppbv | | ND | 0.77 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.10 | ppbv | | ND | 0.70 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.090 | ppbv | | ND | 0.96 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 1.0 | 0.20 | ppbv | | 3.5 | 0.70 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 54.1 | 0.20 | ppbv | E | 133 | 0.49 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 1.3 | 0.20 | ppbv | | 4.5 | 0.69 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [f] | 1.9 | 0.20 | ppbv | | 5.6 | 0.59 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.10 | ppbv | | ND | 0.69 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.10 | ppbv | | ND | 0.55 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [c] | ND | 0.10 | ppbv | | ND | 0.74 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 4.2 | 0.20 | ppbv | | 13 | 0.61 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 2.1 | 0.040 | ppbv | | 14 | 0.27 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.45 | 0.20 | ppbv | | 1.7 | 0.75 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 0.055 | 0.040 | ppbv | | 0.30 | 0.21 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 4.9 | 0.10 | ppbv | | 28 | 0.56 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.040 | ppbv | | ND | 0.10 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [g] | 0.52 | 0.20 | ppbv | | 1.8 | 0.70 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-8 | | |
| **Lab Sample ID:** | JE2489-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1641 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | | 65-128% |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-8 | | |
| **Lab Sample ID:** | JE2489-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1190 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55789.D | 1.48 | 12/20/24 22:14 | TCH | n/a | n/a | V5W2136 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 740 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) [a] | 13.5 | 0.16 | ppbv | | 32.1 | 0.38 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene [b] | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.28 | 0.16 | ppbv | | 0.89 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [c] | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane [d] | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane [d] | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.16 | ppbv | | ND | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.46 | 0.16 | ppbv | | 0.95 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.083 | 0.032 | ppbv | | 0.52 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.16 | ppbv | | ND | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.52 | 0.16 | ppbv | | 2.6 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-8 | | |
| **Lab Sample ID:** | JE2489-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1190 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol [d] | 117 | 0.40 | ppbv | E | 220 | 0.75 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 0.84 | 0.16 | ppbv | | 3.0 | 0.58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.36 | 0.16 | ppbv | | 1.3 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 11.1 | 0.16 | ppbv | | 27.3 | 0.39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.53 | 0.16 | ppbv | | 1.8 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [f] | 0.31 | 0.16 | ppbv | | 0.91 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 1.1 | 0.16 | ppbv | | 4.5 | 0.66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [c] | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.16 | ppbv | | ND | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | ND | 0.16 | ppbv | | ND | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 0.17 | 0.032 | ppbv | | 1.2 | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.57 | 0.16 | ppbv | | 2.1 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 0.040 | 0.032 | ppbv | | 0.21 | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.29 | 0.080 | ppbv | | 1.6 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [g] | ND | 0.16 | ppbv | | ND | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-8 | | |
| **Lab Sample ID:** | JE2489-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1190 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 111% | | 65-128% |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle

SGS ACCUTEST

# AIR CHAIN OF CUSTODY

AIR

JE2489

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #

Bottle Order Control # MM-012624-115

MM-112624-154

PAGE _1_ OF _1_

Lab Quote #

Lab Job #

| Client / Reporting Information | | | Project Information | | | Weather Parameters | | | Requested Analysis |
|---|---|---|---|---|---|---|---|---|---|
| Company Name: Groundwater & Environmental Services | | | Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY | | | Temperature (Fahrenheit) Start: 40 Maximum: 41 | | | |
| Address: 63 East Street, Suite 3 | | | Street: 180 Glenida Avenue "CHINATOWN RESTAURANT" | | | Stop: 41 Minimum: 40 | | | |
| City: Pawling | State: NY | Zip: 12564 | City: Carmel | State: NY | | Atmoshpheric Pressure (inches of Hg) Start: 30.10 Maximum: 30.20 | | | |
| Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com | | Project #: 1192323-02-210 -1111 | | | Stop: 30.00 Minimum: 30.00 | | | |
| Phone #: 866-839-5195 | Fax # | | Client Purchase Order #: Invoice to GES, please reference Project # | | | Other weather comment: | | | |
| Sampler(s) Name(s): R. Brown | | | | | | | | | |

| | | Air Type | Sampling Equipment Info | | | Start Sampling Information | | | | | Stop Sampling Information | | | | | Requested Analysis | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample # | Field ID / Point of Collection | Indoor(I) Soil Vap(SV) Ambient(A) | Canister Serial # | Canister Size 6L or 1L | Flow Controller Serial # | Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | VTO15NYSVLL | VTO15NYLL | | |
| 1 | SS-7 | SV | A231 | 6L | 131 | 12/10/24 | 1105 | 28.5 | 65 | MB | 12/10/24 | 1355 | 5.0 | 65 | MB | X | | | |
| 2 | IA-7 | I | A1629 | 6L | 1021 | 12/10/24 | 1108 | 29.0 | 65 | MB | 12/10/24 | 1340 | 5.0 | 65 | MB | | X | | |
| 3 | SS-8 | SV | A1641 | 6L | 721 | 12/10/24 | 1115 | 30.0 | 65 | MB | 12/10/24 | 1405 | 7.0 | 65 | MB | X | | | |
| 4 | IA-8 | I | A1190 | 6L | 2487 | 12/10/24 | 1120 | 29.0 | 65 | MB | 12/10/24 | 1410 | 7.0 | 65 | MB | | X | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Initial Assessment: MA-HK

Label Verification: _____

| Turnaround Time ( Business days) | | | Data Deliverable Information | | Comments / Remarks |
|---|---|---|---|---|---|
| Standard - 15 Days | GES Std | Approved By: | All NJDEP TO-15 is mandatory Full T1 | | VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient |
| 10 Day | | | Comm A | | NYGATB Report |
| 5 Day | | Date: | Comm B | | |
| 3 Day | | | Reduced T2 | | |
| 2 Day | | | Full T1 | | |
| 1 Day | | | Other: | | |
| Other | | | DKQP reporting | | Sample Inventory is verified upon receipt in the Laboratory |

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: 1 | Date Time: 12/10/24 1930 | Received By: 1 FEDEX T2 -/24- | Relinquished By: 2 | Date Time: 12/11/24 0830 | Received By: 2 |
|---|---|---|---|---|---|
| Relinquished By: 3 | Date Time: 12/11/2024 0830 | Received By: 3 FEDEX | Relinquished By: 4 FEDEX | Date Time: 12/12/24 1100 | Received By: 4 |
| Relinquished by: 5 | Date Time: | Received By: 5 | Custody Seal # | | |

# SGS Sample Receipt Summary

**Job Number:** JE2489 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

**Date / Time Received:** 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

| **Cooler Security** | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| **Cooler Temperature** | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☐ | | ☐ |
| 2. Cooler temp verification: | N/A | | |
| 3. Cooler media: | N/A | | |
| 4. No. Coolers: | N/A | | |

| **Quality Control Preservation** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☑ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☑ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| **Sample Integrity - Documentation** | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| **Sample Integrity - Condition** | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| **Sample Integrity - Instructions** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

**JE2489: Chain of Custody**
**Page 2 of 2**

# Summa Canister and Flow Controller Log



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24



**SUMMA CANISTERS**

| Shipping | | | | | | | Receiving | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Summa ID | L | Vac " Hg | Date Out | By | SCC Batch | SCC FileID | Sample Number | Date In | By | Vac " Hg | Pres psig | Final psig | Dil Fact |
| A231 | 6 | 29 | 12/03/24 | JT | CP12902 | 7W09979.D | JE2489-1 | 12/12/24 | RC | 5 | | | 1 |
| A1629 | 6 | 30 | 12/03/24 | JT | CP12922 | 7W10671.D | JE2489-2 | 12/12/24 | RC | 5.5 | | | 1 |
| A1641 | 6 | 29.5 | 12/03/24 | JT | CP12922 | 7W10671.D | JE2489-3 | 12/12/24 | RC | 6 | | | 1 |
| A1190 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2489-4 | 12/12/24 | RC | 6 | | | 1 |

**FLOW CONTROLLERS / OTHER**

| Shipping | | | | | Receiving | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Flow Crtl ID | Date Out | By | cc/ min | Time hrs. | Date In | By | cc/ min | Flow RPD | Equipment Type |
| FC131 | 12/03/24 | JT | 10.3 | 8 | 12/12/24 | RC | 10.8 | 4.7 | Flow Controller |
| FC287 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.2 | 2.9 | Flow Controller |
| FC721 | 12/03/24 | JT | 10.3 | 8 | 12/12/24 | RC | 10 | 3 | Flow Controller |
| FC1021 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.4 | 1 | Flow Controller |

**SGS Bottle Order(s):**
MM-112524-154

| Prep Date | Room Temp(F) | Bar Pres "Hg |
|---|---|---|
| 12/03/24 | 70 | 29.92 |

# Internal Sample Tracking Chronicle

Groundwater & Environmental Services

**Job No:** JE2489

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| JE2489-1 SS-7 | Collected: 10-DEC-24 18:55 | By: RB | Received: 12-DEC-24 | | By: HR | |
| JE2489-1 | TO-15 | 23-DEC-24 18:20 | TCH | | | VTO15NYSVLL |
| JE2489-2 IA-7 | Collected: 10-DEC-24 19:00 | By: RB | Received: 12-DEC-24 | | By: HR | |
| JE2489-2 | TO-15 | 20-DEC-24 19:55 | TCH | | | VTO15NYLL |
| JE2489-3 SS-8 | Collected: 10-DEC-24 19:05 | By: RB | Received: 12-DEC-24 | | By: HR | |
| JE2489-3 | TO-15 | 20-DEC-24 21:22 | TCH | | | VTO15NYSVLL |
| JE2489-4 IA-8 | Collected: 10-DEC-24 19:10 | By: RB | Received: 12-DEC-24 | | By: HR | |
| JE2489-4 | TO-15 | 20-DEC-24 22:14 | TCH | | | VTO15NYLL |

## MS Volatiles

6

### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 111% | 65-128% |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-MB | 5W55823.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-MB | 5W55823.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-MB | 5W55823.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 65-128% |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-MB | 7W09952.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-MB | 7W09952.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-MB | 7W09952.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 95% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 10 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 88% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 7.3 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 6.0 | 58* [a] | 5.9 | 57* [a] | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 7.4 | 69* [a] | 7.0 | 65* [a] | 6 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 12.4 | 113 | 12.5 | 114 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.7 | 111 | 11.6 | 110 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 15.7 | 147* [b] | 15.9 | 149* [b] | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 7.6 | 72 | 7.2 | 69* [a] | 5 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 8.4 | 79 | 8.0 | 75 | 5 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.1 | 107 | 10.9 | 105 | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 12.5 | 118 | 12.6 | 119 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.8 | 100 | 10.9 | 101 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 7.4 | 71 | 7.0 | 67* [a] | 6 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 12.3 | 114 | 12.1 | 112 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 7.9 | 76 | 7.4 | 71 | 7 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 13.0 | 124 | 13.1 | 125 | 1 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 11.5 | 112 | 11.3 | 110 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.4 | 115 | 12.1 | 112 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 12.9 | 118 | 13.2 | 121 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.1 | 113 | 11.8 | 110 | 3 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 11.8 | 110 | 12.1 | 113 | 3 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 12.0 | 109 | 12.2 | 111 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 12.7 | 117 | 12.2 | 112 | 4 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 10.8 | 103 | 10.7 | 102 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.6 | 110 | 11.7 | 111 | 1 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 11.9 | 112 | 11.2 | 106 | 6 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 12.0 | 114 | 3 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.8 | 112 | 11.8 | 112 | 0 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 12.2 | 114 | 12.1 | 113 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.9 | 121 | 12.9 | 121 | 0 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.4 | 110 | 11.1 | 107 | 3 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.7 | 109 | 11.2 | 105 | 4 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 12.2 | 112 | 11.8 | 108 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.7 | 125 | 12.6 | 124 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 7.4 | 73 | 6.7 | 66* [a] | 10 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 12.6 | 115 | 12.8 | 116 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 13.5 | 125 | 13.5 | 125 | 0 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.7 | 117 | 12.4 | 114 | 2 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 13.1 | 124 | 13.3 | 125 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 8.9 | 81 | 8.5 | 77 | 5 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 12.7 | 115 | 12.6 | 115 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 18.5 | 171* [b] | 17.0 | 157* [b] | 8 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 12.1 | 112 | 11.9 | 110 | 2 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 13.1 | 124 | 13.4 | 126 | 2 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 11.1 | 105 | 11.0 | 104 | 1 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.0 | 105 | 11.2 | 107 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 14.8 | 137* [a] | 14.8 | 137* [a] | 0 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 12.4 | 115 | 12.6 | 117 | 2 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 13.4 | 124 | 13.3 | 123 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 13.4 | 123 | 13.5 | 124 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 12.3 | 113 | 11.3 | 104 | 8 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.4 | 114 | 11.6 | 106 | 7 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 13.4 | 122 | 13.4 | 122 | 0 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.2 | 113 | 11.8 | 109 | 3 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.3 | 104 | 11.3 | 104 | 0 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.5 | 107 | 11.6 | 108 | 1 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 16.7 | 153* [a] | 15.0 | 138* [a] | 11 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.2 | 111 | 11.9 | 108 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 12.3 | 113 | 12.0 | 110 | 2 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.6 | 107 | 11.7 | 108 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 11.7 | 118 | 11.5 | 116 | 2 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 13.2 | 121 | 13.4 | 123 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 14.3 | 136* [a] | 14.0 | 133* [a] | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.9 | 112 | 11.8 | 111 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.8 | 103 | 10.9 | 104 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10.9 | 103 | 10.8 | 102 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 7.6 | 74 | 7.2 | 70 | 5 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 13.3 | 128 | 13.8 | 133* [a] | 4 | 70-130/30 |
| | m,p-Xylene | 21.4 | 23.9 | 112 | 24.2 | 113 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.9 | 109 | 11.9 | 109 | 0 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 35.8 | 111 | 36.1 | 112 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 65-128% |

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-BS | 5W55820.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| V5W2138-BSD | 5W55821.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 8.3 | 81 | 8.5 | 83 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.8 | 100 | 11.1 | 103 | 3 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.3 | 103 | 11.4 | 104 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.1 | 106 | 11.2 | 107 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 15.5 | 145* [a] | 15.7 | 147* [a] | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.4 | 99 | 10.6 | 101 | 2 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.2 | 106 | 11.4 | 108 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.0 | 106 | 11.2 | 108 | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 11.4 | 108 | 11.6 | 109 | 2 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 9.9 | 92 | 10.1 | 94 | 2 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.5 | 101 | 10.8 | 104 | 3 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.4 | 106 | 11.6 | 107 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 9.9 | 95 | 10.5 | 101 | 6 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 11.6 | 110 | 12.0 | 114 | 3 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.4 | 101 | 10.5 | 102 | 1 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 11.5 | 106 | 11.7 | 108 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.9 | 109 | 12.0 | 110 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 11.0 | 103 | 11.3 | 106 | 3 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.8 | 101 | 11.0 | 103 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 10.9 | 99 | 11.1 | 101 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 12.1 | 111 | 12.4 | 114 | 2 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 10.1 | 96 | 10.3 | 98 | 2 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.0 | 105 | 11.2 | 107 | 2 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 11.2 | 106 | 11.7 | 110 | 4 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.9 | 104 | 11.1 | 106 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.5 | 100 | 10.7 | 102 | 2 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.0 | 103 | 11.2 | 105 | 2 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.0 | 112 | 12.2 | 114 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.5 | 111 | 11.6 | 112 | 1 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.5 | 107 | 11.7 | 109 | 2 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 12.0 | 110 | 12.2 | 112 | 2 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 11.9 | 117 | 12.0 | 118 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.7 | 105 | 11.3 | 111 | 5 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 11.6 | 105 | 11.8 | 107 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 12.3 | 114 | 12.6 | 117 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 11.9 | 109 | 12.0 | 110 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-BS | 5W55820.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| V5W2138-BSD | 5W55821.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 12.8 | 121 | 13.1 | 124 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.9 | 108 | 12.3 | 112 | 3 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 11.9 | 108 | 12.2 | 111 | 2 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 20.1 | 186* [a] | 20.7 | 192* [a] | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.1 | 103 | 11.4 | 106 | 3 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 12.3 | 116 | 12.5 | 118 | 2 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 10.4 | 98 | 10.8 | 102 | 4 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.2 | 97 | 10.3 | 98 | 1 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 13.4 | 124 | 13.5 | 125 | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 11.8 | 109 | 12.1 | 112 | 3 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.5 | 116 | 2 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 12.6 | 116 | 12.7 | 117 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 12.1 | 111 | 12.3 | 113 | 2 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 10.6 | 97 | 11.0 | 101 | 4 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 12.2 | 111 | 12.4 | 113 | 2 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.3 | 105 | 11.5 | 106 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.8 | 99 | 11.0 | 101 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 10.9 | 102 | 10.9 | 102 | 0 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 17.7 | 162* [a] | 17.9 | 164* [a] | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.1 | 110 | 12.3 | 112 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 11.7 | 107 | 11.8 | 108 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 10.8 | 100 | 11.0 | 102 | 2 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 10.9 | 110 | 11.2 | 113 | 3 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 12.9 | 118 | 13.1 | 120 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.8 | 122 | 13.2 | 126 | 3 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.1 | 105 | 11.3 | 107 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.3 | 98 | 10.4 | 99 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 11.1 | 105 | 11.5 | 108 | 4 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.9 | 106 | 11.3 | 110 | 4 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.9 | 114 | 12.3 | 118 | 3 | 70-130/30 |
| | m,p-Xylene | 21.4 | 22.5 | 105 | 22.8 | 107 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.4 | 105 | 11.5 | 106 | 1 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 33.8 | 105 | 34.2 | 106 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-BS | 5W55820.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| V5W2138-BSD | 5W55821.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 101% | 100% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-BS | 7W09949.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |
| V7W369-BSD | 7W09950.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.5 | 92 | 9.3 | 90 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.1 | 94 | 10.2 | 94 | 1 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 10.6 | 101 | 11.0 | 105 | 4 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.9 | 111 | 12.1 | 113 | 2 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.3 | 89 | 9.3 | 89 | 0 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.0 | 94 | 10.1 | 95 | 1 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.4 | 196* [a] | 21.3 | 205* [a] | 4 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.3 | 88 | 9.3 | 88 | 0 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.1 | 94 | 10.5 | 97 | 4 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.2 | 98 | 10.2 | 98 | 0 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 10.5 | 97 | 10.7 | 99 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 8.9 | 86 | 9.0 | 87 | 1 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.4 | 90 | 0 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.0 | 97 | 10.2 | 99 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 11.9 | 110 | 11.8 | 109 | 1 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.2 | 103 | 11.7 | 107 | 4 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.1 | 113 | 12.2 | 114 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 9.6 | 90 | 9.7 | 91 | 1 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.5 | 105 | 11.9 | 108 | 3 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 10.3 | 94 | 10.2 | 94 | 1 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.2 | 107 | 11.7 | 111 | 4 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10.5 | 100 | 10.9 | 104 | 4 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 9.9 | 93 | 10 | 94 | 1 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.1 | 106 | 11.7 | 111 | 5 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.8 | 103 | 10.9 | 104 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 10.9 | 102 | 11.4 | 107 | 4 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.1 | 113 | 12.7 | 119 | 5 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.5 | 101 | 10.8 | 104 | 3 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.4 | 97 | 10.8 | 101 | 4 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.7 | 98 | 11.0 | 101 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 11.9 | 117 | 12.6 | 124 | 6 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.7 | 105 | 10.8 | 106 | 1 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.2 | 93 | 10.5 | 95 | 3 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.5 | 106 | 11.7 | 108 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.6 | 97 | 11.0 | 101 | 4 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-BS | 7W09949.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |
| V7W369-BSD | 7W09950.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 8.9 | 84 | 9.1 | 86 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.0 | 91 | 10.0 | 91 | 0 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 10.2 | 93 | 10.6 | 96 | 4 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.8 | 100 | 11.8 | 109 | 9 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 10.9 | 101 | 10.8 | 100 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.4 | 89 | 9.8 | 92 | 4 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 9.1 | 86 | 9.2 | 87 | 1 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 8.6 | 82 | 8.6 | 82 | 0 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 11.9 | 110 | 11.9 | 110 | 0 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 10.1 | 94 | 10.6 | 98 | 5 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.6 | 107 | 11.7 | 108 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.6 | 106 | 12.1 | 111 | 4 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.4 | 86 | 10.3 | 94 | 9 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.1 | 111 | 12.2 | 112 | 1 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.0 | 100 | 11.3 | 103 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.2 | 104 | 11.2 | 104 | 0 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.7 | 98 | 11.1 | 102 | 4 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.1 | 104 | 11.5 | 107 | 4 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.7 | 98 | 11.7 | 107 | 9 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.2 | 93 | 10.6 | 96 | 4 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.3 | 94 | 10.7 | 98 | 4 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 10.9 | 101 | 11.4 | 106 | 4 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 8.9 | 90 | 9.0 | 91 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.4 | 105 | 11.6 | 106 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 11.9 | 113 | 12.1 | 115 | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 10.4 | 98 | 10.9 | 103 | 5 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.3 | 98 | 10.8 | 103 | 5 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 9.0 | 85 | 9.1 | 86 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.3 | 100 | 10.2 | 99 | 1 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.3 | 109 | 11.6 | 112 | 3 | 70-130/30 |
| | m,p-Xylene | 21.4 | 19.7 | 92 | 20.3 | 95 | 3 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.0 | 92 | 10.3 | 94 | 3 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 29.7 | 92 | 30.6 | 95 | 3 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-BS | 7W09949.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |
| V7W369-BSD | 7W09950.D | 1 | 10/25/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W369-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 95% | 96% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.6 | 93 | 9.8 | 95 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.3 | 95 | 9.7 | 90 | 6 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 11.1 | 106 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 12.2 | 114 | 13.1 | 122 | 7 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.2 | 97 | 10.3 | 98 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.4 | 108 | 11.4 | 108 | 0 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.7 | 199* [a] | 21.0 | 202* [a] | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.6 | 91 | 9.5 | 90 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.2 | 94 | 10.5 | 97 | 3 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.6 | 102 | 10.7 | 103 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 10.8 | 100 | 10.9 | 101 | 1 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 8.7 | 84 | 8.0 | 77 | 8 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.6 | 91 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10 | 97 | 10.5 | 102 | 5 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.4 | 115 | 12.4 | 115 | 0 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.4 | 105 | 11.5 | 106 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.5 | 117 | 12.5 | 117 | 0 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.6 | 105 | 11.7 | 106 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 10.6 | 97 | 10.6 | 97 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 12.1 | 115 | 12.0 | 114 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10.6 | 101 | 10.6 | 101 | 0 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.6 | 100 | 10.6 | 100 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.7 | 111 | 11.7 | 111 | 0 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.4 | 107 | 11.5 | 107 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.5 | 117 | 12.6 | 118 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.3 | 99 | 11.1 | 107 | 7 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.2 | 95 | 11.1 | 104 | 8 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.5 | 96 | 11.2 | 103 | 6 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.7 | 125 | 12.8 | 125 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 8.9 | 87 | 8.5 | 83 | 5 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.3 | 94 | 10.5 | 95 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.5 | 96 | 11.0 | 101 | 5 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 11.1 | 105 | 10.9 | 103 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.6 | 96 | 10.8 | 98 | 2 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 11.2 | 102 | 11.3 | 103 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.9 | 101 | 11.2 | 104 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.4 | 106 | 11.4 | 106 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.9 | 93 | 10.0 | 94 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 8.8 | 83 | 8.6 | 81 | 2 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 9.1 | 87 | 9.1 | 87 | 0 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.2 | 113 | 12.1 | 112 | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 10.8 | 100 | 10.8 | 100 | 0 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.3 | 114 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.8 | 108 | 11.9 | 109 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 8.9 | 82 | 9.2 | 84 | 3 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 13.4 | 123 | 11.8 | 108 | 13 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 10.9 | 99 | 11.3 | 103 | 4 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.8 | 109 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.5 | 96 | 10.7 | 98 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.3 | 106 | 11.3 | 106 | 0 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.1 | 93 | 10.4 | 95 | 3 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.1 | 92 | 10.5 | 95 | 4 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.3 | 94 | 10.6 | 97 | 3 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 9.1 | 92 | 9.1 | 92 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.5 | 106 | 11.7 | 107 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.1 | 115 | 12.2 | 116 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 10.6 | 100 | 10.7 | 101 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.6 | 101 | 10.7 | 102 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10 | 94 | 9.9 | 93 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.4 | 101 | 10.1 | 98 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.1 | 116 | 11.9 | 114 | 2 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.0 | 93 | 20.6 | 96 | 3 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.0 | 92 | 10.3 | 94 | 3 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 30.0 | 93 | 30.9 | 96 | 3 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 94% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.8 | 95 | 9.4 | 91 | 4 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 11.3 | 105 | 10.7 | 99 | 5 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.1 | 101 | 10.9 | 99 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 10.6 | 101 | 4 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.9 | 111 | 11.4 | 107 | 4 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.5 | 100 | 10.3 | 98 | 2 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.9 | 103 | 10.7 | 101 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 21.7 | 209* [a] | 21.2 | 204* [a] | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 11.0 | 104 | 10.7 | 101 | 3 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.8 | 100 | 10.7 | 99 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.1 | 107 | 10.6 | 102 | 5 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.2 | 104 | 10.9 | 101 | 3 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.4 | 100 | 9.8 | 94 | 6 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.7 | 104 | 10.5 | 102 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.0 | 111 | 11.6 | 107 | 3 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.0 | 101 | 10.8 | 99 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.3 | 115 | 12.0 | 112 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.6 | 99 | 10.8 | 101 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.4 | 104 | 11.2 | 102 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.0 | 105 | 10.8 | 103 | 2 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10 | 95 | 10.4 | 99 | 4 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.8 | 102 | 10.6 | 100 | 2 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.7 | 102 | 10.6 | 101 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.3 | 106 | 11.2 | 105 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.0 | 112 | 11.8 | 110 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.8 | 104 | 10.6 | 102 | 2 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.3 | 121 | 12.0 | 118 | 2 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.1 | 99 | 9.5 | 93 | 6 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.6 | 96 | 10.3 | 94 | 3 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.5 | 106 | 11.4 | 106 | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 9.8 | 92 | 9.6 | 91 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.6 | 105 | 11.5 | 105 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 10 | 91 | 9.9 | 90 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 11.8 | 109 | 11.5 | 106 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 10.7 | 99 | 10.6 | 98 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.0 | 85 | 9.0 | 85 | 0 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 9.6 | 91 | 9.3 | 88 | 3 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.0 | 95 | 9.8 | 93 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 11.7 | 108 | 11.4 | 106 | 3 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 9.9 | 92 | 9.8 | 91 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.8 | 109 | 11.7 | 108 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.1 | 102 | 10.9 | 100 | 2 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.7 | 89 | 9.6 | 88 | 1 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 11.6 | 106 | 11.1 | 102 | 4 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.2 | 102 | 10.9 | 99 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.5 | 106 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.6 | 106 | 11.4 | 105 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.0 | 103 | 10.8 | 101 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.8 | 98 | 10.7 | 97 | 1 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.7 | 98 | 10.6 | 97 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 10.6 | 98 | 10.5 | 97 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 10.6 | 107 | 10.5 | 106 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 11.5 | 110 | 11.5 | 110 | 0 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 9.9 | 93 | 9.7 | 92 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.3 | 98 | 10.0 | 95 | 3 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10.1 | 95 | 9.9 | 93 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 11.5 | 112 | 11.2 | 109 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.8 | 113 | 11.1 | 107 | 6 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.6 | 96 | 20.1 | 94 | 2 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.5 | 96 | 10.3 | 94 | 2 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 31.1 | 96 | 30.4 | 94 | 2 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 99% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | JE2665-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 1.5 | | 1.5 | | 0 | 25 |
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | ND | | ND | | nc | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | ND | | ND | | nc | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | ND | | ND | | nc | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | ND | | ND | | nc | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | 0.50 | J | ND | | 200* [a] | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | 1.8 | J | 2.2 | | 20 | 25 |
| 100-41-4 | Ethylbenzene | ND | | ND | | nc | 25 |
| 141-78-6 | Ethyl Acetate | 0.71 | J | 0.79 | J | 11 | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Compound | JE2665-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |
| 142-82-5 | Heptane | ND | | ND | | nc | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | ND | | ND | | nc | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | ND | | ND | | nc | 25 |
| 75-09-2 | Methylene chloride | ND | | ND | | nc | 25 |
| 78-93-3 | Methyl ethyl ketone | ND | | ND | | nc | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | 2.0 | | ND | | 200* [a] | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.1 | | ND | | 200* [a] | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ND | | nc | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | | ND | | nc | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | | ND | | nc | 25 |
| 127-18-4 | Tetrachloroethylene | ND | | ND | | nc | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | ND | | ND | | nc | 25 |
| 79-01-6 | Trichloroethylene | 0.28 | | ND | | 200* [a] | 25 |
| 75-69-4 | Trichlorofluoromethane | ND | | ND | | nc | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | ND | | ND | | nc | 25 |
| 95-47-6 | o-Xylene | ND | | ND | | nc | 25 |
| 1330-20-7 | Xylenes (total) | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-2, JE2489-3, JE2489-4

| CAS No. | Surrogate Recoveries | DUP | JE2665-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 111% | 65-128% |

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2315-1DUP | 5W55826.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| JE2315-1 | 5W55825.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | JE2315-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 3.7 | | 3.6 | | 3 | 25 |
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | 0.40 | | 0.41 | | 2 | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | 0.51 | | 0.44 | | 15 | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | 0.24 | | 0.25 | | 4 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | 0.48 | | 0.42 | | 13 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | 0.10 | J | ND | | 200* [a] | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | 7.8 | | 7.5 | | 4 | 25 |
| 100-41-4 | Ethylbenzene | 0.15 | J | 0.14 | J | 7 | 25 |
| 141-78-6 | Ethyl Acetate | ND | | ND | | nc | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2315-1DUP | 5W55826.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| JE2315-1 | 5W55825.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Compound | JE2315-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |
| 142-82-5 | Heptane | 0.30 | | 0.30 | | 0 | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 1.3 | | 1.4 | | 7 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | 0.52 | | 0.52 | | 0 | 25 |
| 75-09-2 | Methylene chloride | 0.59 | | 0.58 | | 2 | 25 |
| 78-93-3 | Methyl ethyl ketone | 0.56 | | 0.57 | | 2 | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | 0.46 | | ND | | 200* [a] | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | | 0.14 | J | 113* [a] | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.13 | J | 0.11 | J | 17 | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.36 | | 0.36 | | 0 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | | ND | | nc | 25 |
| 127-18-4 | Tetrachloroethylene | 0.076 | | 0.061 | | 22 | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | 0.72 | | 0.74 | | 3 | 25 |
| 79-01-6 | Trichloroethylene | 0.071 | | ND | | 200* [a] | 25 |
| 75-69-4 | Trichlorofluoromethane | 0.24 | | 0.23 | | 4 | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 0.57 | | 0.57 | | 0 | 25 |
| 95-47-6 | o-Xylene | 0.18 | J | 0.16 | J | 12 | 25 |
| 1330-20-7 | Xylenes (total) | 0.75 | | 0.73 | | 3 | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2315-1DUP | 5W55826.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| JE2315-1 | 5W55825.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2489-1

| CAS No. | Surrogate Recoveries | DUP | JE2315-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 107% | 65-128% |

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-SCC | 7W09977.D | 1 | 10/26/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here (Summa M139) applies to the following samples:** **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-SCC | 7W09977.D | 1 | 10/26/24 | TCH | n/a | n/a | V7W369 |



**The QC reported here (Summa M139) applies to the following samples:** **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W369-SCC | 7W09977.D | 1 | 10/26/24 | TCH | n/a | n/a | V7W369 |

**The QC reported here (Summa M139) applies to the following samples:** **Method:** TO-15

Batch CP12902 cleaned 10/10/24: JE2489-1(A231)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |



**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |



**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2489-2(A1629), JE2489-3(A1641)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 85% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride [a] | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2489-4(A1190)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 100% | 65-128% |

(a) This compound in blank spike is outside in house QC limits bias high.

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-BFB
**Lab File ID:** 5W55458.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/09/24
**Injection Time:** 03:34

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 87907 | 21.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 218027 | 52.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 418581 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 28349 | 6.77 | | Pass |
| 173 | Less than 2.0% of mass 174 | 3695 | 0.88 | (1.07) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 343765 | 82.1 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 26424 | 6.31 | (7.69) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 334720 | 80.0 | (97.4) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 22512 | 5.38 | (6.73) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 | 04:14 | 00:40 | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 | 04:54 | 01:20 | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 | 05:35 | 02:01 | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 | 06:59 | 03:25 | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 | 07:45 | 04:11 | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 | 09:03 | 05:29 | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 | 09:45 | 06:11 | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 | 10:29 | 06:55 | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 | 11:14 | 07:40 | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 | 13:55 | 10:21 | Initial cal verification 10 |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2136-BFB
**Lab File ID:** 5W55777.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/20/24
**Injection Time:** 12:26

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 103472 | 19.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 287701 | 53.3 | | Pass |
| 95 | Base peak, 100% relative abundance | 539797 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 34869 | 6.46 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 639147 | 118.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 46992 | 8.71 | (7.35) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 621632 | 115.2 | (97.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 40723 | 7.54 | (6.55) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2136-CC2125 | 5W55778.D | 12/20/24 | 13:06 | 00:40 | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 | 13:55 | 01:29 | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 | 15:34 | 03:08 | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 | 17:06 | 04:40 | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 | 18:21 | 05:55 | (used for QC only; not part of job JE2489) |
| JE2665-1DUP | 5W55785.D | 12/20/24 | 19:03 | 06:37 | Duplicate |
| JE2489-2 | 5W55786.D | 12/20/24 | 19:55 | 07:29 | IA-7 |
| JE2489-3 | 5W55788.D | 12/20/24 | 21:22 | 08:56 | SS-8 |
| JE2489-4 | 5W55789.D | 12/20/24 | 22:14 | 09:48 | IA-8 |
| ZZZZZZ | 5W55790.D | 12/20/24 | 22:55 | 10:29 | (unrelated sample) |
| ZZZZZZ | 5W55791.D | 12/20/24 | 23:46 | 11:20 | (unrelated sample) |
| ZZZZZZ | 5W55792.D | 12/21/24 | 00:26 | 12:00 | (unrelated sample) |
| ZZZZZZ | 5W55793.D | 12/21/24 | 01:09 | 12:43 | (unrelated sample) |
| ZZZZZZ | 5W55794.D | 12/21/24 | 01:49 | 13:23 | (unrelated sample) |
| ZZZZZZ | 5W55795.D | 12/21/24 | 02:30 | 14:04 | (unrelated sample) |
| ZZZZZZ | 5W55796.D | 12/21/24 | 03:11 | 14:45 | (unrelated sample) |
| ZZZZZZ | 5W55797.D | 12/21/24 | 03:54 | 15:28 | (unrelated sample) |
| ZZZZZZ | 5W55798.D | 12/21/24 | 04:35 | 16:09 | (unrelated sample) |
| ZZZZZZ | 5W55799.D | 12/21/24 | 05:21 | 16:55 | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 | 06:08 | 17:42 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2138-BFB
**Lab File ID:** 5W55818.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/23/24
**Injection Time:** 08:13

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 80464 | 22.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 208725 | 57.0 | | Pass |
| 95 | Base peak, 100% relative abundance | 365867 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 24203 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 437760 | 119.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 33048 | 9.03 | (7.55) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 427712 | 116.9 | (97.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 29384 | 8.03 | (6.87) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2138-CC2125 | 5W55819.D | 12/23/24 | 09:11 | 00:58 | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 | 10:07 | 01:54 | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 | 11:17 | 03:04 | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 | 12:54 | 04:41 | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 | 14:29 | 06:16 | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 | 15:24 | 07:11 | (used for QC only; not part of job JE2489) |
| JE2315-1DUP | 5W55826.D | 12/23/24 | 16:11 | 07:58 | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 | 16:52 | 08:39 | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 | 17:34 | 09:21 | (unrelated sample) |
| JE2489-1 | 5W55829.D | 12/23/24 | 18:20 | 10:07 | SS-7 |
| ZZZZZZ | 5W55830.D | 12/23/24 | 19:01 | 10:48 | (unrelated sample) |
| ZZZZZZ | 5W55831.D | 12/23/24 | 19:43 | 11:30 | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 | 20:23 | 12:10 | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 | 21:09 | 12:56 | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 | 21:56 | 13:43 | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 | 22:42 | 14:29 | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 | 23:28 | 15:15 | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 | 00:14 | 16:01 | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 | 01:01 | 16:48 | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 | 01:54 | 17:41 | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 | 02:41 | 18:28 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-BFB
**Lab File ID:** 7W07974.D
**Instrument ID:** GCMS7W
**Injection Date:** 08/18/24
**Injection Time:** 21:06

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 20443 | 24.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 43320 | 51.7 | | Pass |
| 95 | Base peak, 100% relative abundance | 83736 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 5915 | 7.06 | | Pass |
| 173 | Less than 2.0% of mass 174 | 627 | 0.75 | (1.02) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 61525 | 73.5 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4526 | 5.41 | (7.36) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 58768 | 70.2 | (95.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3856 | 4.60 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 | 21:40 | 00:34 | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 | 22:13 | 01:07 | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 | 22:49 | 01:43 | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 | 23:22 | 02:16 | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 | 00:01 | 02:55 | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 | 00:35 | 03:29 | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 | 01:10 | 04:04 | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 | 01:48 | 04:42 | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 | 02:28 | 05:22 | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 | 06:28 | 09:22 | Initial cal verification 10 |
| V7W306-BS | 7W07991.D | 08/19/24 | 07:07 | 10:01 | Blank Spike |
| V7W306-BSD | 7W07992.D | 08/19/24 | 07:40 | 10:34 | Blank Spike Duplicate |
| V7W306-MB | 7W07996.D | 08/19/24 | 10:30 | 13:24 | Method Blank |
| ZZZZZZ | 7W07997.D | 08/19/24 | 11:04 | 13:58 | (unrelated sample) |
| ZZZZZZ | 7W07998.D | 08/19/24 | 11:39 | 14:33 | (unrelated sample) |
| ZZZZZZ | 7W07999.D | 08/19/24 | 12:15 | 15:09 | (unrelated sample) |
| JD93469-1 | 7W08000.D | 08/19/24 | 12:50 | 15:44 | (used for QC only; not part of job JE2489) |
| JD93469-1DUP | 7W08001.D | 08/19/24 | 13:26 | 16:20 | Duplicate |
| ZZZZZZ | 7W08002.D | 08/19/24 | 14:07 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W08003.D | 08/19/24 | 14:50 | 17:44 | (unrelated sample) |
| ZZZZZZ | 7W08004.D | 08/19/24 | 15:30 | 18:24 | (unrelated sample) |
| ZZZZZZ | 7W08005.D | 08/19/24 | 16:05 | 18:59 | (unrelated sample) |
| ZZZZZZ | 7W08006.D | 08/19/24 | 16:46 | 19:40 | (unrelated sample) |
| ZZZZZZ | 7W08007.D | 08/19/24 | 17:31 | 20:25 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W305-BFB | **Injection Date:** | 08/18/24 |
| **Lab File ID:** | 7W07974.D | **Injection Time:** | 21:06 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 7W08008.D | 08/19/24 | 18:11 | 21:05 | (unrelated sample) |
| ZZZZZZ | 7W08009.D | 08/19/24 | 18:52 | 21:46 | (unrelated sample) |
| ZZZZZZ | 7W08010.D | 08/19/24 | 20:04 | 22:58 | (unrelated sample) |
| ZZZZZZ | 7W08011.D | 08/19/24 | 20:43 | 23:37 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W369-BFB | **Injection Date:** | 10/25/24 |
| **Lab File ID:** | 7W09947.D | **Injection Time:** | 10:24 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 12909 | 20.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 30776 | 47.8 | | Pass |
| 95 | Base peak, 100% relative abundance | 64424 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4359 | 6.77 | | Pass |
| 173 | Less than 2.0% of mass 174 | 343 | 0.53 | (0.69) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 49555 | 76.9 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3587 | 5.57 | (7.24) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 48805 | 75.8 | (98.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3104 | 4.82 | (6.36) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W369-CC305 | 7W09948.D | 10/25/24 | 11:00 | 00:36 | Continuing cal 10 |
| V7W369-BS | 7W09949.D | 10/25/24 | 12:02 | 01:38 | Blank Spike |
| V7W369-BSD | 7W09950.D | 10/25/24 | 12:38 | 02:14 | Blank Spike Duplicate |
| V7W369-MB | 7W09952.D | 10/25/24 | 14:04 | 03:40 | Method Blank |
| ZZZZZZ | 7W09953.D | 10/25/24 | 15:54 | 05:30 | (unrelated sample) |
| ZZZZZZ | 7W09954.D | 10/25/24 | 16:29 | 06:05 | (unrelated sample) |
| ZZZZZZ | 7W09955.D | 10/25/24 | 17:04 | 06:40 | (unrelated sample) |
| ZZZZZZ | 7W09956.D | 10/25/24 | 17:40 | 07:16 | (unrelated sample) |
| JD98774-1 | 7W09957.D | 10/25/24 | 18:22 | 07:58 | (used for QC only; not part of job JE2489) |
| JD98774-1DUP | 7W09958.D | 10/25/24 | 19:04 | 08:40 | Duplicate |
| ZZZZZZ | 7W09959.D | 10/25/24 | 19:46 | 09:22 | (unrelated sample) |
| ZZZZZZ | 7W09960.D | 10/25/24 | 20:28 | 10:04 | (unrelated sample) |
| ZZZZZZ | 7W09961.D | 10/25/24 | 21:10 | 10:46 | (unrelated sample) |
| ZZZZZZ | 7W09962.D | 10/25/24 | 21:51 | 11:27 | (unrelated sample) |
| ZZZZZZ | 7W09963.D | 10/25/24 | 22:32 | 12:08 | (unrelated sample) |
| ZZZZZZ | 7W09964.D | 10/25/24 | 23:14 | 12:50 | (unrelated sample) |
| ZZZZZZ | 7W09965.D | 10/25/24 | 23:55 | 13:31 | (unrelated sample) |
| ZZZZZZ | 7W09966.D | 10/26/24 | 00:32 | 14:08 | (unrelated sample) |
| ZZZZZZ | 7W09971.D | 10/26/24 | 03:25 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W09972.D | 10/26/24 | 04:01 | 17:37 | (unrelated sample) |
| V7W369-SCC | 7W09976.D | 10/26/24 | 06:41 | 20:17 | Summa Cleaning Certification |
| V7W369-SCC | 7W09977.D | 10/26/24 | 07:22 | 20:58 | Summa Cleaning Certification |
| V7W369-SCC | 7W09978.D | 10/26/24 | 08:03 | 21:39 | Summa Cleaning Certification |
| V7W369-SCC | 7W09979.D | 10/26/24 | 08:43 | 22:19 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W387-BFB
**Lab File ID:** 7W10575.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/18/24
**Injection Time:** 08:59

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 12830 | 18.3 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 33101 | 47.2 | | Pass |
| 95 | Base peak, 100% relative abundance | 70203 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4918 | 7.01 | | Pass |
| 173 | Less than 2.0% of mass 174 | 423 | 0.60 | (0.70) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 60187 | 85.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4410 | 6.28 | (7.33) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 57075 | 81.3 | (94.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3652 | 5.20 | (6.40) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-CC305 | 7W10576.D | 11/18/24 | 09:35 | 00:36 | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 | 10:11 | 01:12 | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 | 10:46 | 01:47 | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 | 12:04 | 03:05 | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 | 13:59 | 05:00 | (used for QC only; not part of job JE2489) |
| JD99820-1DUP | 7W10583.D | 11/18/24 | 14:40 | 05:41 | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 | 15:21 | 06:22 | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 | 16:44 | 07:45 | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 | 17:25 | 08:26 | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 | 18:07 | 09:08 | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 | 19:30 | 10:31 | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 | 20:11 | 11:12 | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 | 20:52 | 11:53 | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 | 21:28 | 12:29 | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 | 22:04 | 13:05 | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 | 22:41 | 13:42 | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 | 23:53 | 14:54 | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 | 00:29 | 15:30 | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 | 01:06 | 16:07 | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 | 02:18 | 17:19 | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 | 02:55 | 17:56 | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 | 03:31 | 18:32 | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 | 04:07 | 19:08 | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 | 04:48 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W387-BFB | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10575.D | **Injection Time:** | 08:59 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-SCC | 7W10606.D | 11/19/24 | 05:29 | 20:30 | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 | 06:10 | 21:11 | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 | 06:51 | 21:52 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W392-BFB
**Lab File ID:** 7W10742.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/25/24
**Injection Time:** 08:36

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 15330 | 21.5 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 35867 | 50.4 | | Pass |
| 95 | Base peak, 100% relative abundance | 71168 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4636 | 6.51 | | Pass |
| 173 | Less than 2.0% of mass 174 | 555 | 0.78 | (1.03) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 53835 | 75.6 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3970 | 5.58 | (7.37) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 52037 | 73.1 | (96.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3340 | 4.69 | (6.42) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-CC305 | 7W10743.D | 11/25/24 | 09:11 | 00:35 | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 | 09:50 | 01:14 | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 | 10:26 | 01:50 | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 | 11:46 | 03:10 | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 | 12:29 | 03:53 | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 | 13:04 | 04:28 | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 | 13:39 | 05:03 | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 | 14:14 | 05:38 | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 | 14:56 | 06:20 | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 | 16:07 | 07:31 | (used for QC only; not part of job JE2489) |
| ZZZZZZ | 7W10757.D | 11/25/24 | 17:55 | 09:19 | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 | 18:30 | 09:54 | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 | 19:05 | 10:29 | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 | 19:40 | 11:04 | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 | 20:16 | 11:40 | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 | 21:26 | 12:50 | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 | 22:01 | 13:25 | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 | 22:38 | 14:02 | (used for QC only; not part of job JE2489) |
| ZZZZZZ | 7W10766.D | 11/25/24 | 23:19 | 14:43 | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 | 00:00 | 15:24 | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 | 00:42 | 16:06 | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 | 02:42 | 18:06 | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 | 03:23 | 18:47 | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 | 04:04 | 19:28 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W392-BFB | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10742.D | **Injection Time:** | 08:36 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-SCC | 7W10774.D | 11/26/24 | 04:44 | 20:08 | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 | 05:25 | 20:49 | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 | 06:47 | 22:11 | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 | 08:24 | 23:48 | Duplicate |

# Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2136-CC2125 | **Injection Date:** | 12/20/24 |
| **Lab File ID:** | 5W55778.D | **Injection Time:** | 13:06 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 318888 | 7.67 | 1469982 | 9.83 | 896125 | 15.34 |
| Upper Limit [a] | 446443 | 8.00 | 2057975 | 10.16 | 1254575 | 15.67 |
| Lower Limit [b] | 191333 | 7.34 | 881989 | 9.50 | 537675 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2136-BS | 349857 | 7.66 | 1633756 | 9.83 | 962940 | 15.34 |
| V5W2136-BSD | 369460 | 7.66 | 1679765 | 9.83 | 969387 | 15.34 |
| V5W2136-MB | 420264 | 7.66 | 1982756 | 9.82 | 1052285 | 15.34 |
| JE2665-1 | 347680 | 7.66 | 1679178 | 9.82 | 908149 | 15.34 |
| JE2665-1DUP | 276928 | 7.66 | 1339103 | 9.83 | 728500 | 15.34 |
| JE2489-2 | 255725 | 7.66 | 1259383 | 9.82 | 729011 | 15.34 |
| JE2489-3 | 223902 | 7.66 | 1101737 | 9.83 | 600369 | 15.34 |
| JE2489-4 | 246511 | 7.66 | 1204091 | 9.83 | 692043 | 15.34 |
| ZZZZZZ | 218794 | 7.66 | 1076421 | 9.83 | 562673 | 15.34 |
| ZZZZZZ | 241587 | 7.68 | 1193445 | 9.83 | 722409 | 15.34 |
| ZZZZZZ | 263063 | 7.66 | 1287566 | 9.83 | 720552 | 15.34 |
| ZZZZZZ | 230773 | 7.66 | 1129671 | 9.83 | 553501 | 15.34 |
| ZZZZZZ | 245552 | 7.67 | 1188779 | 9.83 | 677814 | 15.34 |
| ZZZZZZ | 216763 | 7.66 | 1073025 | 9.83 | 603430 | 15.34 |
| ZZZZZZ | 214306 | 7.67 | 1052666 | 9.83 | 558080 | 15.34 |
| ZZZZZZ | 219702 | 7.66 | 1077760 | 9.83 | 597639 | 15.34 |
| ZZZZZZ | 263492 | 7.67 | 1245689 | 9.83 | 635891 | 15.34 |
| ZZZZZZ | 228599 | 7.66 | 1121534 | 9.83 | 646592 | 15.34 |
| ZZZZZZ | 226170 | 7.66 | 1109122 | 9.83 | 641061 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2138-CC2125 | **Injection Date:** | 12/23/24 |
| **Lab File ID:** | 5W55819.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 263070 | 7.67 | 1217301 | 9.83 | 738303 | 15.34 |
| Upper Limit [a] | 368298 | 8.00 | 1704221 | 10.16 | 1033624 | 15.67 |
| Lower Limit [b] | 157842 | 7.34 | 730381 | 9.50 | 442982 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2138-BS | 261510 | 7.66 | 1220164 | 9.83 | 739045 | 15.34 |
| V5W2138-BSD | 260595 | 7.66 | 1218483 | 9.83 | 736456 | 15.34 |
| V5W2138-MB | 311710 | 7.66 | 1493158 | 9.82 | 781178 | 15.33 |
| V5W2138-SCC | 321306 | 7.66 | 1506173 | 9.82 | 782137 | 15.33 |
| JE2315-1 | 245399 | 7.66 | 1205702 | 9.83 | 682878 | 15.33 |
| JE2315-1DUP | 217553 | 7.66 | 1077292 | 9.83 | 621263 | 15.33 |
| ZZZZZZ | 208762 | 7.66 | 1039636 | 9.82 | 572065 | 15.34 |
| ZZZZZZ | 201543 | 7.67 | 1000655 | 9.83 | 551430 | 15.34 |
| JE2489-1 | 211041 | 7.66 | 1036893 | 9.83 | 471557 | 15.34 |
| ZZZZZZ | 215745 | 7.66 | 1039188 | 9.83 | 542678 | 15.34 |
| ZZZZZZ | 244806 | 7.66 | 1174993 | 9.83 | 645042 | 15.34 |
| ZZZZZZ | 195304 | 7.67 | 959920 | 9.83 | 520023 | 15.34 |
| ZZZZZZ | 186533 | 7.66 | 914542 | 9.83 | 530709 | 15.33 |
| ZZZZZZ | 190196 | 7.67 | 938311 | 9.83 | 539199 | 15.34 |
| ZZZZZZ | 194798 | 7.67 | 962979 | 9.83 | 555481 | 15.34 |
| ZZZZZZ | 182844 | 7.66 | 924573 | 9.83 | 542563 | 15.34 |
| ZZZZZZ | 195003 | 7.67 | 985329 | 9.83 | 573135 | 15.34 |
| ZZZZZZ | 203928 | 7.66 | 1010745 | 9.83 | 575284 | 15.34 |
| ZZZZZZ | 207550 | 7.66 | 1034387 | 9.83 | 595518 | 15.34 |
| ZZZZZZ | 0* | 0.00* | 0* | 0.00* | 0* | 0.00* |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W369-CC305 | **Injection Date:** | 10/25/24 |
| **Lab File ID:** | 7W09948.D | **Injection Time:** | 11:00 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 63493 | 3.27 | 331082 | 4.55 | 297593 | 10.13 |
| Upper Limit [a] | 88890 | 3.60 | 463515 | 4.88 | 416630 | 10.46 |
| Lower Limit [b] | 38096 | 2.94 | 198649 | 4.22 | 178556 | 9.80 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W369-BS | 65800 | 3.28 | 343299 | 4.55 | 311820 | 10.12 |
| V7W369-BSD | 64745 | 3.27 | 327249 | 4.55 | 301996 | 10.12 |
| V7W369-MB | 67262 | 3.27 | 342565 | 4.55 | 304568 | 10.12 |
| ZZZZZZ | 65513 | 3.28 | 345543 | 4.56 | 315021 | 10.13 |
| ZZZZZZ | 66668 | 3.28 | 339519 | 4.56 | 302022 | 10.12 |
| ZZZZZZ | 67981 | 3.29 | 350072 | 4.57 | 319072 | 10.13 |
| ZZZZZZ | 62243 | 3.28 | 327795 | 4.56 | 297988 | 10.12 |
| JD98774-1 | 62894 | 3.28 | 320515 | 4.56 | 293042 | 10.12 |
| JD98774-1DUP | 63864 | 3.28 | 334601 | 4.56 | 306923 | 10.13 |
| ZZZZZZ | 65682 | 3.28 | 334428 | 4.56 | 307547 | 10.12 |
| ZZZZZZ | 58833 | 3.28 | 309136 | 4.55 | 287045 | 10.12 |
| ZZZZZZ | 62403 | 3.28 | 320116 | 4.56 | 293826 | 10.12 |
| ZZZZZZ | 61339 | 3.28 | 320536 | 4.55 | 293392 | 10.12 |
| ZZZZZZ | 65903 | 3.28 | 332150 | 4.56 | 308085 | 10.13 |
| ZZZZZZ | 63569 | 3.28 | 335291 | 4.56 | 309050 | 10.12 |
| ZZZZZZ | 65011 | 3.28 | 335335 | 4.55 | 307363 | 10.12 |
| ZZZZZZ | 64425 | 3.28 | 328362 | 4.56 | 302936 | 10.12 |
| ZZZZZZ | 65993 | 3.28 | 339526 | 4.56 | 309606 | 10.13 |
| ZZZZZZ | 64418 | 3.28 | 323215 | 4.56 | 299422 | 10.13 |
| V7W369-SCC | 67116 | 3.28 | 334971 | 4.56 | 303033 | 10.12 |
| V7W369-SCC | 64486 | 3.27 | 325680 | 4.55 | 292755 | 10.12 |
| V7W369-SCC | 63510 | 3.27 | 330323 | 4.55 | 301141 | 10.12 |
| V7W369-SCC | 66936 | 3.27 | 336210 | 4.55 | 306191 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W387-CC305 | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10576.D | **Injection Time:** | 09:35 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 60785 | 3.28 | 318407 | 4.55 | 291110 | 10.12 |
| Upper Limit [a] | 85099 | 3.61 | 445770 | 4.88 | 407554 | 10.45 |
| Lower Limit [b] | 36471 | 2.95 | 191044 | 4.22 | 174666 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W387-BS | 59927 | 3.27 | 307732 | 4.55 | 281115 | 10.12 |
| V7W387-BSD | 59448 | 3.28 | 304227 | 4.55 | 275746 | 10.12 |
| V7W387-MB | 64026 | 3.28 | 327182 | 4.55 | 306459 | 10.12 |
| JD99820-1 | 56665 | 3.28 | 288174 | 4.56 | 265558 | 10.12 |
| JD99820-1DUP | 55698 | 3.28 | 286506 | 4.56 | 262400 | 10.12 |
| ZZZZZZ | 57230 | 3.28 | 293974 | 4.56 | 269278 | 10.12 |
| ZZZZZZ | 57892 | 3.28 | 293943 | 4.56 | 268382 | 10.13 |
| ZZZZZZ | 55173 | 3.28 | 281652 | 4.56 | 256840 | 10.12 |
| ZZZZZZ | 56414 | 3.28 | 290642 | 4.56 | 266690 | 10.12 |
| ZZZZZZ | 55175 | 3.28 | 282753 | 4.56 | 261195 | 10.12 |
| ZZZZZZ | 56321 | 3.28 | 288236 | 4.56 | 267074 | 10.12 |
| ZZZZZZ | 55592 | 3.28 | 280028 | 4.56 | 258953 | 10.12 |
| ZZZZZZ | 59195 | 3.28 | 306746 | 4.56 | 279352 | 10.13 |
| ZZZZZZ | 54414 | 3.28 | 279296 | 4.56 | 256561 | 10.12 |
| ZZZZZZ | 53395 | 3.28 | 262918 | 4.56 | 253725 | 10.12 |
| ZZZZZZ | 58851 | 3.28 | 302770 | 4.56 | 278405 | 10.12 |
| ZZZZZZ | 60842 | 3.28 | 310928 | 4.56 | 285512 | 10.12 |
| ZZZZZZ | 60530 | 3.28 | 314864 | 4.56 | 285718 | 10.13 |
| ZZZZZZ | 57253 | 3.28 | 296182 | 4.56 | 271095 | 10.12 |
| ZZZZZZ | 55936 | 3.28 | 289486 | 4.55 | 263402 | 10.12 |
| V7W387-SCC | 58656 | 3.28 | 295685 | 4.56 | 265930 | 10.12 |
| V7W387-SCC | 60454 | 3.27 | 305996 | 4.55 | 275902 | 10.12 |
| V7W387-SCC | 61555 | 3.28 | 303415 | 4.55 | 282366 | 10.12 |
| V7W387-SCC | 63209 | 3.28 | 314760 | 4.55 | 280011 | 10.12 |
| V7W387-SCC | 65323 | 3.28 | 322265 | 4.55 | 287974 | 10.12 |
| ZZZZZZ | 56492 | 3.28 | 288918 | 4.56 | 272258 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W392-CC305 | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10743.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 72713 | 3.27 | 383789 | 4.55 | 314273 | 10.12 |
| Upper Limit [a] | 101798 | 3.60 | 537305 | 4.88 | 439982 | 10.45 |
| Lower Limit [b] | 43628 | 2.94 | 230273 | 4.22 | 188564 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W392-BS | 72768 | 3.27 | 382948 | 4.55 | 316986 | 10.12 |
| V7W392-BSD | 73571 | 3.27 | 390728 | 4.55 | 328697 | 10.12 |
| V7W392-MB | 77496 | 3.27 | 407451 | 4.55 | 332375 | 10.12 |
| ZZZZZZ | 70134 | 3.29 | 377860 | 4.57 | 313611 | 10.13 |
| ZZZZZZ | 66825 | 3.29 | 363077 | 4.57 | 303014 | 10.13 |
| ZZZZZZ | 61291 | 3.29 | 333551 | 4.57 | 281900 | 10.12 |
| ZZZZZZ | 59927 | 3.29 | 321484 | 4.56 | 275765 | 10.13 |
| ZZZZZZ | 60563 | 3.28 | 323816 | 4.56 | 275730 | 10.13 |
| JE994-2 | 61272 | 3.32 | 354889 | 4.59 | 300529 | 10.13 |
| ZZZZZZ | 56502 | 3.27 | 334521 | 4.60 | 295346 | 10.14 |
| ZZZZZZ | 59682 | 3.29 | 335723 | 4.57 | 286843 | 10.13 |
| ZZZZZZ | 52994 | 3.28 | 289969 | 4.56 | 248230 | 10.13 |
| ZZZZZZ | 54075 | 3.28 | 285122 | 4.56 | 238672 | 10.12 |
| ZZZZZZ | 49318 | 3.28 | 271433 | 4.56 | 230382 | 10.12 |
| ZZZZZZ | 50588 | 3.28 | 269595 | 4.56 | 222162 | 10.12 |
| ZZZZZZ | 48508 | 3.28 | 263253 | 4.56 | 230371 | 10.12 |
| JE1061-10 | 47637 | 3.28 | 253998 | 4.55 | 215224 | 10.12 |
| ZZZZZZ | 52252 | 3.28 | 279608 | 4.55 | 230161 | 10.12 |
| ZZZZZZ | 50070 | 3.28 | 267272 | 4.55 | 202380 | 10.12 |
| ZZZZZZ | 52376 | 3.29 | 269271 | 4.57 | 232208 | 10.13 |
| ZZZZZZ | 47233 | 3.30 | 316292 | 4.58 | 248242 | 10.14 |
| V7W392-SCC | 60827 | 3.27 | 320474 | 4.55 | 270203 | 10.12 |
| V7W392-SCC | 62704 | 3.28 | 329972 | 4.56 | 276956 | 10.12 |
| V7W392-SCC | 63803 | 3.28 | 333810 | 4.55 | 275663 | 10.12 |
| V7W392-SCC | 61251 | 3.28 | 323759 | 4.56 | 273041 | 10.12 |
| V7W392-SCC | 55670 | 3.28 | 294531 | 4.55 | 228023 | 10.12 |
| JE1061-10DUP | 45516 | 3.28 | 236865 | 4.56 | 223436 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,3-Butadiene | 4.04 | 7.66 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoethene | 4.63 | 7.66 | 0.604 | ok | 0.602 | 0.542-0.662 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.66 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.66 | 1.020 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.66 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.56 | 15.35 | 1.209 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.69 | 9.83 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.66 | 0.717 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.85 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.03 | 9.83 | 1.326 | ok | 1.323 | 1.263-1.383 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.35 | 9.83 | 1.053 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.66 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.49 | 7.66 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.76 | 9.83 | 1.196 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.42 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.44 | 9.83 | 1.266 | ok | 1.263 | 1.203-1.323 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.97 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.66 | 0.491 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.83 | 1.123 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl Tert Butyl Ether | 6.81 | 7.66 | 0.889 | ok | 0.879 | 0.819-0.939 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.78 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.93 | 15.35 | 1.103 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.63 | 9.83 | 1.285 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.66 | 7.66 | 0.739 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Toluene | 12.98 | 9.83 | 1.320 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.66 | 0.646 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|---|
| TVHC As Equiv Pentane | 5.23 | | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 339655 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1562017 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 815644 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.74 | 7.67 | 0.618 | ok | 0.615 | 0.555-0.675 |
| Acetonitrile | 4.65 | 7.67 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.04 | 7.67 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.86 | 7.67 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.59 | 7.67 | 0.468 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.67 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.67 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.71 | 7.67 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.83 | 0.988 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.80 | 9.83 | 1.099 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.43 | 7.67 | 0.578 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.67 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.78 | 7.67 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.83 | 7.67 | 1.021 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.50 | 9.83 | 1.068 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.83 | 7.67 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.67 | 0.502 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.67 | 0.618 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.79 | 7.67 | 0.625 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.67 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.45 | 15.35 | 0.876 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.67 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.16 | 7.67 | 0.934 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.89 | 9.83 | 1.210 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.79 | 7.67 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.99 | 9.83 | 1.118 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.24 | 7.67 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.61 | 7.67 | 0.471 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.77 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.65 | 7.67 | 0.737 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.37 | 7.67 | 1.091 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 333430 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1533309 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 804190 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.86 | 7.66 | 0.634 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.64 | 7.66 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.39 | 9.83 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.66 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.78 | 9.83 | 1.097 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.77 | 7.66 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.81 | 7.66 | 1.020 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.48 | 9.83 | 1.066 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.66 | 0.503 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.66 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.43 | 15.35 | 0.875 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.66 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.14 | 7.66 | 0.932 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.87 | 9.83 | 1.208 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.78 | 7.66 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.98 | 9.83 | 1.117 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.64 | 7.66 | 0.736 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.34 | 7.66 | 1.089 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.84 | 7.66 | 0.893 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 334972 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1532765 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 812540 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.85 | 7.66 | 0.633 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.63 | 7.66 | 0.604 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.75 | 9.83 | 1.094 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.83 | 1.263 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.75 | 7.66 | 1.012 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.48 | 7.66 | 0.585 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.79 | 7.66 | 1.017 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.46 | 9.83 | 1.064 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.66 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.41 | 15.35 | 0.874 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.08 | 7.66 | 0.663 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.66 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.11 | 7.66 | 0.928 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.85 | 9.83 | 1.205 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.76 | 7.66 | 0.883 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.97 | 9.83 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.62 | 7.66 | 0.734 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.31 | 7.66 | 1.085 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.83 | 7.66 | 0.892 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 330769 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1512302 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 803446 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.83 | 7.67 | 0.630 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.90 | 15.35 | 1.166 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.00 | 9.83 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.69 | 9.83 | 1.087 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.67 | 0.476 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.66 | 7.67 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.76 | 7.67 | 1.012 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.67 | 0.451 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.37 | 15.35 | 0.871 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.04 | 7.67 | 0.657 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.26 | 15.35 | 1.320 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.67 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.80 | 9.83 | 1.200 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.56 | 7.67 | 0.725 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.26 | 7.67 | 1.077 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.67 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 327920 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1483978 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 823417 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.67 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.67 | 0.716 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.83 | 1.323 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.83 | 1.085 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.67 | 1.010 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.67 | 0.656 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.83 | 1.199 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.67 | 0.724 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.24 | 7.67 | 1.074 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 339202 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1511260 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 875250 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.84 | 1.084 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.84 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.68 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.84 | 1.282 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.84 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 342882 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1466721 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 922805 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.02 | 7.68 | 0.523 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.22 | 7.68 | 0.549 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.06 | 7.68 | 0.529 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.57 | 7.68 | 0.465 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.60 | 7.68 | 0.469 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.68 | 0.741 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.68 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.66 | 9.84 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.68 | 0.475 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.41 | 7.68 | 0.574 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.71 | 7.68 | 1.004 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.84 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.54 | 7.68 | 0.461 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.70 | 7.68 | 0.872 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.59 | 7.68 | 0.467 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.84 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.84 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.68 | 0.643 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 341329 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1382725 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1000073 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.21 | 7.68 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.41 | 9.85 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.62 | 9.85 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.85 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.85 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.85 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.85 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.85 | 1.050 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.68 | 0.841 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 11.74 | 9.85 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.85 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.85 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.85 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.74 | 7.68 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.85 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.85 | 1.197 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.85 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.85 | 1.281 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.25 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.70 | 9.85 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.68 | 0.723 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.85 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.66 | 9.85 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 363096 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.85 | ok | 9.83 | 9.50-10.16 | 1435494 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1087902 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.66 | 10.12 | 1.646 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.53 | 3.27 | 0.774 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.19 | 10.12 | 1.007 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.68 | 3.27 | 0.514 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.88 | 4.55 | 1.073 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.72 | 10.12 | 1.553 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.13 | 3.27 | 0.651 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.90 | 4.55 | 1.736 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.88 | 3.27 | 0.881 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.45 | 4.55 | 1.198 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.31 | 3.27 | 0.706 | ok | 0.704 | 0.644-0.764 |
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.60 | 3.27 | 1.101 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.43 | 10.12 | 1.228 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.31 | 10.12 | 0.228 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 86358 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 435174 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 379594 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.10 | 3.27 | 0.642 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.31 | 10.12 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.74 | 3.27 | 0.532 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.24 | 4.55 | 1.152 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.35 | 3.27 | 1.024 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.29 | 10.12 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.73 | 10.12 | 1.258 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.59 | 3.27 | 1.098 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 83993 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 426374 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 372534 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.06 | 3.27 | 0.630 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.22 | 4.55 | 1.147 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.22 | 4.55 | 1.367 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.12 | 1.513 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81591 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 417480 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 367012 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.13 | 4.55 | 1.787 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.21 | 4.55 | 1.145 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.64 | 3.27 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.88 | 4.55 | 1.732 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.20 | 4.55 | 1.363 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.44 | 3.27 | 0.746 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.18 | 3.27 | 0.667 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 79966 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410941 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 362110 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.16 | 4.55 | 1.134 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.86 | 4.55 | 1.727 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.22 | 3.27 | 0.679 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.43 | 3.27 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81466 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410025 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 361102 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.15 | 4.55 | 1.132 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.42 | 3.27 | 0.740 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 76492 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 388370 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 349697 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.12 | 1.367 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.12 | 1.685 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.12 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.12 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78951 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 399337 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 358279 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.13 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.13 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.13 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.13 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 77284 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 380992 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 341287 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.84 | 10.13 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.35 | 3.27 | 1.024 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.97 | 10.13 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.86 | 4.55 | 1.068 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.76 | 10.13 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.46 | 10.13 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78494 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 389657 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 345790 | ok | 359712 | 215827-503597 |

# Surrogate Recovery Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| JE2489-1 | 5W55829.D | 127 |
| JE2489-2 | 5W55786.D | 112 |
| JE2489-3 | 5W55788.D | 113 |
| JE2489-4 | 5W55789.D | 111 |
| JE2315-1DUP | 5W55826.D | 109 |
| JE2665-1DUP | 5W55785.D | 113 |
| V5W2136-BS | 5W55779.D | 101 |
| V5W2136-BSD | 5W55781.D | 99 |
| V5W2136-MB | 5W55783.D | 111 |
| V5W2138-BS | 5W55820.D | 101 |
| V5W2138-BSD | 5W55821.D | 100 |
| V5W2138-MB | 5W55823.D | 109 |
| V7W369-SCC | 7W09977.D | 94 |
| V7W387-SCC | 7W10605.D | 85 |
| V7W392-SCC | 7W10777.D | 100 |
| V7W369-BS | 7W09949.D | 95 |
| V7W369-BSD | 7W09950.D | 96 |
| V7W369-MB | 7W09952.D | 95 |
| V7W387-BS | 7W10577.D | 93 |
| V7W387-BSD | 7W10578.D | 94 |
| V7W387-MB | 7W10580.D | 88 |
| V7W392-BS | 7W10744.D | 98 |
| V7W392-BSD | 7W10745.D | 99 |
| V7W392-MB | 7W10747.D | 94 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = 4-Bromofluorobenzene | 65-128% |

# Initial Calibration Summary



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICC2125
**Lab FileID:** 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.494 | 1.548 | 1.299 | 1.657 | 0.642 | 1.669 | 1.274 | | | 1.369 | 26.06 |
| 3) FREON 152A | 0.717 | 0.684 | 0.712 | 0.756 | 0.789 | 0.758 | 0.757 | 0.760 | 0.726 | 0.740 | 4.36 |
| 4) CHLORODIFLUOROMETHANE | 0.279 | 0.341 | 0.371 | 0.394 | 0.410 | 0.406 | 0.414 | 0.428 | 0.410 | 0.384 | 12.27 |
| 5) CHLOROTRIFLUOROETHENE | 1.677 | 1.542 | 1.642 | 1.717 | 1.772 | 1.742 | 1.780 | 1.866 | 1.846 | 1.732 | 5.86 |
| 6) DICHLORODIFLUOROMETHANE | 3.513 | 3.536 | 3.550 | 3.840 | 3.911 | 3.777 | 3.705 | 3.640 | 3.418 | 3.654 | 4.52 |
| 7) PROPYLENE | 1.224 | 1.033 | 0.862 | 0.907 | 0.898 | 0.861 | 0.861 | 0.849 | 0.788 | 0.920 | 14.31 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.008 | 3.852 | 3.920 | 4.118 | 4.140 | 3.754 | 3.537 | 3.345 | 3.006 | 3.742 | 10.16 |
| 9) FREON 114 | 4.598 | 4.822 | 4.882 | 5.183 | 5.093 | 4.507 | 4.151 | 3.758 | 3.349 | 4.483 | 13.82 |
| 10) CHLOROMETHANE | 0.398 | 0.543 | 0.544 | 0.546 | 0.525 | 0.463 | 0.435 | 0.413 | 0.375 | 0.471 | 14.66 |
| 11) VINYL CHLORIDE | 1.756 | 1.727 | 1.812 | 1.894 | 1.887 | 1.639 | 1.511 | 1.406 | 1.304 | 1.659 | 12.74 |
| 12) 1,3-BUTADIENE | 1.420 | 1.134 | 1.171 | 1.246 | 1.221 | 1.066 | 0.996 | 0.917 | 0.850 | 1.114 | 15.90 |
| 13) n-BUTANE | 2.733 | 2.476 | 2.579 | 2.336 | 1.998 | 1.834 | 1.628 | 1.508 | | 2.136 | 21.46 |
| 14) BROMOMETHANE | 2.365 | 1.858 | 1.978 | 1.857 | 1.631 | 1.518 | 1.426 | 1.356 | | 1.749 | 19.11 |
| 15) CHLOROETHANE | 0.846 | 0.831 | 0.838 | 0.890 | 0.827 | 0.725 | 0.666 | 0.613 | 0.589 | 0.758 | 14.78 |
| 16) DICHLOROFLUOROMETHANE | 4.518 | 4.122 | 4.054 | 4.299 | 4.145 | 3.576 | 3.289 | 2.965 | 2.768 | 3.748 | 16.61 |
| 17) ACETONITRILE | 1.389 | 1.492 | 1.554 | 1.399 | 1.170 | 1.073 | 0.927 | 0.867 | | 1.234 | 21.21 |
| 18) ACROLEIN | 0.585 | 0.528 | 0.670 | 0.602 | 0.545 | 0.504 | 0.450 | 0.426 | | 0.539 | 14.94 |
| 19) FREON 123 | 4.363 | 4.195 | 4.097 | 4.417 | 4.204 | 3.644 | 3.338 | 2.930 | 2.766 | 3.773 | 16.67 |
| 20) FREON 123A | 2.136 | 2.135 | 2.173 | 2.278 | 2.198 | 1.969 | 1.835 | 1.696 | 1.633 | 2.006 | 11.66 |
| 21) TRICHLOROFLUOROMETHANE | 3.235 | 3.373 | 3.388 | 3.743 | 3.622 | 3.391 | 3.312 | 3.257 | 3.072 | 3.377 | 5.98 |
| 22) ISOPROPYL ALCOHOL | 2.807 | 2.426 | 2.240 | 1.968 | 2.127 | 2.047 | 1.877 | 1.627 | | 2.140 | 16.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

# Initial Calibration Summary

**Job Number:** JE2489 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.550 | -13.2 | 101 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.662 | 10.5 | 95 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.376 | 2.1 | 100 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.640 | 5.3 | 102 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.452 | 5.5 | 99 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 0.715 | 22.3 | 90 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.499 | 6.5 | 101 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.285 | 4.4 | 103 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.409 | 13.2 | 96 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.513 | 8.8 | 100 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.994 | 10.8 | 101 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.839 | 13.9 | 100 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.560 | 10.8 | 104 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.680 | 10.3 | 102 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.432 | 8.4 | 104 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.102 | 10.7 | 102 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.535 | 0.7 | 106 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.394 | 10.0 | 101 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.773 | 11.6 | 98 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.288 | 2.6 | 105 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 1.917 | 10.4 | 98 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.603 | 25.3 | 101 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 0.903 | 15.1 | 91 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 2.883 | -2.3 | 106 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.010 | 3.5 | 102 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.051 | -0.8 | 104 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.618 | 21.2 | 85 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.474 | 1.1 | 105 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.581 | 30.7# | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 0.953 | 9.2 | 101 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.475 | 1.9 | 99 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.778 | -2.2 | 109 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.077 | 2.6 | 103 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.303 | -14.4 | 110 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 2.868 | -1.2 | 100 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.474 | -9.2 | 101 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.462 | 6.7 | 93 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.199 | -11.2 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 1.875 | 8.8 | 95 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.464 | -6.9 | 97 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.116 | 2.8 | 101 | 0.00 | 7.50 |

# Initial Calibration Verification

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.459 | 3.6 | 95 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.334 | -4.4 | 96 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 1.852 | 2.8 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.506 | 2.4 | 103 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.678 | 2.1 | 95 | 0.00 | 8.67 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.588 | 0.7 | 105 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.815 | -2.2 | 106 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.609 | 3.7 | 98 | 0.00 | 8.61 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.689 | 5.0 | 99 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.278 | -2.2 | 101 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.145 | 1.4 | 99 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.366 | 4.2 | 102 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.279 | 9.4 | 98 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.353 | 5.6 | 109 | 0.00 | 10.34 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.507 | -4.5 | 98 | 0.00 | 10.42 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.656 | 1.6 | 101 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.060 | 3.7 | 95 | 0.00 | 10.69 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 105 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.358 | 6.8 | 93 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.246 | -2.1 | 98 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.207 | -1.0 | 97 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.452 | 3.2 | 94 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.517 | -2.0 | 101 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.442 | 0.9 | 100 | 0.00 | 13.01 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.457 | -6.3 | 99 | 0.00 | 12.41 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.292 | 4.6 | 100 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.552 | -16.9 | 97 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.833 | -20.5 | 102 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.683 | -4.6 | 108 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.276 | -20.2 | 107 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.966 | -9.6 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.935 | -6.5 | 93 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.802 | -9.4 | 106 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.323 | -2.8 | 103 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 2.064 | -11.9 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.808 | -15.4 | 103 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.778 | -14.6 | 102 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.179 | -21.0 | 102 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 0.971 | -5.9 | 93 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.261 | -16.0 | 106 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.167 | -4.3 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.407 | -3.1 | 99 | 0.00 | 16.91 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.011 | -2.5 | 100 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.353 | -12.0 | 104 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.216 | -2.4 | 101 | 0.00 | 17.91 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.618 | -17.5 | 107 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.636 | -19.3 | 105 | 0.00 | 18.64 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.292 | -18.2 | 102 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.939 | -17.0 | 102 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 1.017 | -13.6 | 105 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.426 | -17.7 | 107 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 2.096 | -20.5 | 103 | 0.00 | 19.63 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.565 | -14.3 | 105 | 0.00 | 19.82 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.201 | -18.0 | 105 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.435 | -12.3 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.513 | -18.8 | 106 | 0.00 | 20.02 |

# Initial Calibration Verification

**Job Number:** JE2489 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.098 | -18.8 | 104 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.615 | -21.3 | 108 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.380 | -11.0 | 106 | 0.00 | 20.41 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.577 | -23.6 | 105 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.978 | -12.4 | 99 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.383 | -18.3 | 107 | 0.00 | 23.37 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.294 | -16.9 | 111 | 0.00 | 23.22 |
| 108 | | NAPHTHALENE | 2.431 | 3.137 | -29.0 | 113 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 6.032 | 22.9 | 93 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

# Continuing Calibration Summary



**Job Number:** JE2489 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.829 | -33.6# | 103 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.932 | -25.9 | 116 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.479 | -24.7 | 111 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.952 | -12.7 | 105 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.366 | -19.5 | 109 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.099 | -19.5 | 120 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.584 | 4.2 | 90 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.024 | 10.2 | 84 | 0.00 | 3.85 |
| 10 | CHLOROMETHANE | 0.471 | 0.387 | 17.8 | 79 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.396 | 15.9 | 80 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.866 | 22.3 | 76 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.749 | 18.1 | 82 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.427 | 18.4 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.620 | 18.2 | 80 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.212 | 14.3 | 84 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.053 | 14.7 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.472 | 12.4 | 81 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.371 | 10.7 | 87 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.770 | 11.8 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.737 | -10.7 | 104 | 0.00 | 4.95 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.377 | -11.1 | 105 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.548 | 32.1# | 79 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.235 | -16.2 | 108 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.398 | -20.6 | 108 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.167 | -11.5 | 103 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.654 | -20.7 | 108 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.638 | 18.6 | 77 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.362 | 8.6 | 84 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.730 | 12.9 | 102 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.120 | -6.8 | 103 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.603 | -24.6 | 109 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.168 | -24.6 | 115 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.253 | -13.3 | 104 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.456 | -22.0 | 102 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.568 | -25.9 | 108 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.590 | -35.9# | 109 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.823 | -16.3 | 101 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.228 | -27.4 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.378 | -15.7 | 105 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.587 | -35.3# | 106 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.297 | -13.0 | 102 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.554 | -16.4 | 100 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.422 | -31.9# | 105 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.323 | -21.9 | 105 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.017 | -17.5 | 108 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.099 | -22.5 | 104 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.007 | -15.3 | 106 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.201 | -16.2 | 104 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.039 | -22.1 | 108 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.830 | -14.5 | 107 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.322 | -18.4 | 104 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.178 | -21.1 | 110 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.410 | -7.3 | 103 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.331 | -7.5 | 104 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.489 | -30.7# | 136 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.624 | -28.7 | 108 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.781 | -17.1 | 108 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.253 | -13.8 | 101 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.194 | -14.8 | 103 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.465 | -21.1 | 109 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.301 | -24.9 | 107 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.245 | -19.5 | 103 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.577 | -23.6 | 108 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.570 | -12.4 | 100 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.527 | -18.2 | 107 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.552 | -28.4 | 108 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.342 | -11.8 | 106 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.590 | -25.0 | 102 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.888 | -28.5 | 107 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.765 | -17.2 | 119 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.166 | -9.8 | 96 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.954 | -8.3 | 100 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.110 | -26.4 | 109 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.745 | -1.6 | 97 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.273 | 1.1 | 97 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.107 | -14.3 | 102 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.767 | -9.6 | 96 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.738 | -8.7 | 95 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.159 | -19.0 | 98 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.158 | -26.3 | 109 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.585 | -45.8# | 131 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.126 | -0.6 | 101 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.462 | -7.1 | 101 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.085 | -10.0 | 106 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.267 | -7.9 | 98 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.300 | -9.5 | 106 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.579 | -10.1 | 99 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.597 | -12.0 | 97 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.252 | -16.1 | 99 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.875 | -13.2 | 97 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.944 | -5.5 | 95 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.386 | -6.6 | 95 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.990 | -14.4 | 96 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.526 | -11.5 | 101 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.075 | -11.2 | 97 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.443 | -12.9 | 104 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.467 | -8.1 | 95 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.014 | -14.0 | 98 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.547 | -7.9 | 95 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.375 | -10.6 | 104 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.543 | -16.3 | 97 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 1.021 | -17.4 | 102 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.077 | -77.7# | 158# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.741 | -57.3# | 146# | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.784 | -14.5 | 99 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.982 | -2.0 | 107 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

# Continuing Calibration Summary



**Job Number:** JE2489 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.576 | -15.1 | 73 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.755 | -2.0 | 77 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.424 | -10.4 | 81 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.650 | 4.7 | 73 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.849 | -5.3 | 79 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.899 | 2.3 | 81 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.017 | -7.3 | 83 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.880 | -8.9 | 84 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.457 | 3.0 | 77 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.758 | -6.0 | 83 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.101 | 1.2 | 80 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.183 | -2.2 | 85 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.720 | 1.7 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.767 | -1.2 | 82 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.850 | -2.7 | 83 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.281 | -3.8 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.573 | -6.3 | 82 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.934 | -4.3 | 84 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.004 | 0.1 | 79 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.559 | -5.4 | 81 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.115 | 1.2 | 77 | -0.01 | 5.02 |
| 23 | ACETONE | 0.807 | 0.643 | 20.3 | 77 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.069 | -0.6 | 77 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.248 | -15.3 | 85 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.054 | -0.7 | 77 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.246 | -7.2 | 79 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.816 | -4.1 | 81 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.553 | -4.2 | 79 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.640 | 23.6 | 74 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.011 | 3.6 | 77 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.533 | -10.1 | 79 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.113 | -21.4 | 93 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.113 | -0.6 | 76 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.233 | -10.9 | 76 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.237 | -14.2 | 81 | -0.01 | 6.70 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.537 | -23.7 | 82 | -0.01 | 8.23 |
| 38 | HEXANE | 1.567 | 1.618 | -3.3 | 74 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.207 | -15.6 | 80 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.126 | -3.4 | 77 | 0.00 | 6.64 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.541 | -24.7 | 81 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.169 | -1.8 | 76 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.509 | -6.9 | 76 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.366 | -14.4 | 75 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.072 | -8.8 | 78 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.723 | -6.1 | 80 | 0.00 | 7.80 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.853 | -8.1 | 75 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.720 | -4.3 | 79 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.922 | -6.1 | 79 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.865 | -11.7 | 82 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 81 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.750 | -3.4 | 80 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.299 | -9.9 | 80 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.161 | -9.5 | 82 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.378 | 1.0 | 78 | -0.01 | 10.64 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.300 | 2.6 | 78 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.481 | -28.6 | 111 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.554 | -14.2 | 80 | -0.01 | 10.40 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.711 | -6.6 | 82 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.115 | -1.3 | 74 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 78 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.419 | -9.1 | 81 | 0.00 | 11.02 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.280 | -16.2 | 83 | 0.00 | 10.93 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.226 | -10.2 | 79 | -0.01 | 11.78 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.529 | -13.3 | 82 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.535 | -5.5 | 78 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.477 | -7.0 | 80 | -0.01 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.501 | -16.5 | 81 | -0.01 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.311 | -1.6 | 80 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.549 | -16.3 | 78 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.834 | -20.7 | 83 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.781 | -19.6 | 100 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.117 | -5.2 | 76 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.882 | -0.1 | 76 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.021 | -16.3 | 82 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.695 | 5.2 | 75 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.192 | 7.4 | 75 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 1.956 | -6.1 | 78 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.737 | -5.3 | 76 | -0.02 | 16.21 |
| 81 | | o-XYLENE | 0.679 | 0.710 | -4.6 | 75 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.094 | -12.3 | 76 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.065 | -16.1 | 83 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.581 | -45.4# | 107 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.122 | -0.3 | 83 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.359 | 0.4 | 77 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.985 | 0.1 | 79 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.132 | -1.5 | 76 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.198 | -0.9 | 81 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.533 | -1.3 | 75 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.564 | -5.8 | 75 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.118 | -9.2 | 76 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.783 | -7.6 | 76 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.906 | -1.2 | 75 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.384 | -6.1 | 78 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.930 | -11.0 | 77 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.513 | -10.5 | 83 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.983 | -6.3 | 76 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.411 | -10.4 | 84 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.464 | -7.4 | 78 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.932 | -9.4 | 77 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.543 | -7.1 | 77 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.346 | -8.3 | 84 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.532 | -13.9 | 79 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.986 | -13.3 | 81 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.195 | -87.8# | 138 | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.801 | -62.7# | 125 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.697 | -10.9 | 79 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.142 | 8.8 | 79 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

# Initial Calibration Summary



**Job Number:** JE2489 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.410 | 1.323 | 1.332 | 1.370 | 0.628 | 1.427 | 1.321 | 1.450 | | 1.282 | 20.97 |
| 3) FREON 152A | 0.766 | 0.691 | 0.666 | 0.702 | 0.665 | 0.692 | 0.673 | 0.681 | 0.695 | 0.692 | 4.39 |
| 4) CHLORODIFLUOROMETHANE | 0.341 | 0.319 | 0.348 | 0.350 | 0.313 | 0.337 | 0.326 | 0.329 | 0.340 | 0.334 | 3.87 |
| 5) CHLOROTRIFLUOROETHENE | 1.776 | 1.676 | 1.535 | 1.621 | 1.510 | 1.603 | 1.570 | 1.636 | 1.676 | 1.623 | 5.00 |
| 6) DICHLORODIFLUOROMETHANE | 3.889 | 3.781 | 3.954 | 3.963 | 3.920 | 4.135 | 4.066 | 4.167 | 4.214 | 4.010 | 3.59 |
| 7) PROPYLENE | 1.094 | 1.136 | 0.965 | 0.913 | 0.864 | 0.902 | 0.889 | 0.913 | 0.948 | 0.958 | 9.85 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 3.272 | 3.202 | 3.328 | 3.433 | 3.252 | 3.450 | 3.399 | 3.437 | 3.443 | 3.357 | 2.85 |
| 9) FREON 114 | 3.127 | 3.393 | 3.214 | 3.441 | 3.334 | 3.519 | 3.484 | 3.579 | 3.609 | 3.411 | 4.77 |
| 10) CHLOROMETHANE | 0.752 | 0.540 | 0.501 | 0.489 | 0.467 | 0.488 | 0.475 | 0.483 | 0.479 | 0.519 | 17.25 |
| 11) VINYL CHLORIDE | 1.748 | 1.508 | 1.584 | 1.620 | 1.573 | 1.612 | 1.570 | 1.583 | 1.572 | 1.597 | 4.07 |
| 12) 1,3-BUTADIENE | 1.426 | 1.317 | 1.348 | 1.274 | 1.229 | 1.296 | 1.252 | 1.268 | 1.275 | 1.298 | 4.56 |
| 13) N-BUTANE | 2.469 | 2.388 | 2.309 | 2.447 | 2.292 | 2.405 | 2.323 | 2.351 | 2.355 | 2.371 | 2.58 |
| 14) BROMOMETHANE | 1.376 | 1.314 | 1.295 | 1.306 | 1.211 | 1.264 | 1.230 | 1.248 | 1.248 | 1.277 | 3.98 |
| 15) CHLOROETHANE | 0.821 | 0.738 | 0.826 | 0.853 | 0.820 | 0.839 | 0.821 | 0.826 | 0.817 | 0.818 | 3.91 |
| 16) DICHLOROFLUOROMETHANE | 2.969 | 2.937 | 3.144 | 3.211 | 3.077 | 3.224 | 3.132 | 3.217 | 3.219 | 3.126 | 3.52 |
| 17) ACETONITRILE | 1.809 | 1.911 | 1.622 | 1.405 | 1.433 | 1.401 | 1.424 | 1.414 | | 1.552 | 13.19 |
| 18) ACROLEIN | 0.969 | 0.801 | 0.726 | 0.727 | 0.762 | 0.739 | 0.754 | 0.758 | | 0.779 | 10.32 |
| 19) FREON 123 | 3.302 | 2.915 | 3.162 | 3.138 | 3.083 | 3.234 | 3.174 | 3.273 | 3.305 | 3.176 | 3.92 |
| 20) FREON 123A | 1.695 | 1.757 | 1.752 | 1.832 | 1.796 | 1.886 | 1.860 | 1.906 | 1.913 | 1.822 | 4.21 |
| 21) TRICHLOROFLUOROMETHANE | 3.507 | 3.486 | 3.424 | 3.639 | 3.527 | 3.726 | 3.643 | 3.717 | 3.694 | 3.596 | 3.10 |
| 22) ISOPROPYL ALCOHOL | 4.381 | 3.891 | 3.555 | 3.314 | 2.991 | 3.250 | 3.022 | 3.012 | 3.067 | 3.387 | 14.11 |
| 23) ACETONE | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.285 | 0.991 | 0.851 | 0.841 | 0.818 | 0.841 | 0.836 | 0.923 | 18.38 |
| 24) | PENTANE | | | | | | | | | | |
| | | 2.149 | 1.846 | 1.699 | 1.714 | 1.614 | 1.648 | 1.601 | 1.606 | 1.607 | 1.720 | 10.40 |
| 25) | IODOMETHANE | | | | | | | | | | |
| | | 2.782 | 2.914 | 3.026 | 3.144 | 3.102 | 3.247 | 3.191 | 3.256 | 3.255 | 3.102 | 5.37 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | |
| | | 1.339 | 1.349 | 1.334 | 1.339 | 1.302 | 1.359 | 1.329 | 1.342 | 1.349 | 1.338 | 1.21 |
| 27) | CARBON DISULFIDE | | | | | | | | | | |
| | | 3.488 | 3.732 | 3.787 | 3.791 | 3.810 | 4.022 | 4.015 | 4.214 | 4.238 | 3.900 | 6.23 |
| 28) | ETHANOL | | | | | | | | | | |
| | | 1.215 | 1.135 | 0.882 | 0.863 | 0.799 | 0.782 | 0.802 | 0.925 | 18.97 |
| 29) | BROMOETHENE | | | | | | | | | | |
| | | 1.229 | 1.137 | 1.176 | 1.238 | 1.187 | 1.262 | 1.245 | 1.256 | 1.261 | 1.221 | 3.63 |
| 30) | ACRYLONITRILE | | | | | | | | | | |
| | | 1.663 | 1.236 | 1.359 | 1.289 | 1.182 | 1.167 | 1.129 | 1.137 | 1.136 | 1.255 | 13.68 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | |
| | | 1.830 | 1.573 | 1.404 | 1.212 | 1.269 | 1.236 | 1.243 | 1.250 | 1.377 | 15.94 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | |
| | | 0.791 | 0.697 | 0.733 | 0.656 | 0.661 | 0.700 | 0.684 | 0.705 | 0.714 | 0.705 | 5.74 |
| 33) | FREON 113 | | | | | | | | | | |
| | | 1.953 | 2.006 | 2.100 | 2.122 | 2.068 | 2.169 | 2.152 | 2.189 | 2.196 | 2.106 | 3.98 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.439 | 1.274 | 1.263 | 1.355 | 1.236 | 1.309 | 1.280 | 1.290 | 1.299 | 1.305 | 4.60 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | |
| | | 3.331 | 3.384 | 3.189 | 3.305 | 2.885 | 3.383 | 3.211 | 3.229 | 3.343 | 3.251 | 4.78 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | |
| | | 3.163 | 3.190 | 3.191 | 3.189 | 3.103 | 3.315 | 3.318 | 3.482 | 3.557 | 3.279 | 4.70 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | |
| | | 0.452 | 0.624 | 0.640 | 0.618 | 0.634 | 0.666 | 0.655 | 0.666 | 0.667 | 0.625 | 10.78 |
| 38) | HEXANE | | | | | | | | | | |
| | | 3.362 | 2.615 | 2.581 | 2.590 | 2.513 | 2.671 | 2.671 | 2.777 | 2.784 | 2.729 | 9.28 |
| 39) | VINYL ACETATE | | | | | | | | | | |
| | | 0.272 | 0.260 | 0.243 | 0.276 | 0.304 | 0.324 | 0.351 | 0.358 | 0.298 | 14.25 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | |
| | | 2.584 | 2.330 | 2.424 | 2.438 | 2.346 | 2.451 | 2.406 | 2.454 | 2.453 | 2.432 | 3.01 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | |
| | | 0.587 | 0.696 | 0.659 | 0.674 | 0.645 | 0.676 | 0.667 | 0.688 | 0.695 | 0.665 | 5.07 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.410 | 1.399 | 1.355 | 1.426 | 1.322 | 1.389 | 1.356 | 1.395 | 1.404 | 1.384 | 2.37 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | |
| | | 0.558 | 0.733 | 0.632 | 0.706 | 0.701 | 0.744 | 0.754 | 0.779 | 0.785 | 0.710 | 10.38 |
| 44) | ETHYL ACETATE | | | | | | | | | | |
| | | 0.474 | 0.551 | 0.516 | 0.477 | 0.496 | 0.531 | 0.531 | 0.558 | 0.560 | 0.522 | 6.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | |
| | | 2.541 | 2.807 | 2.755 | 2.859 | 2.914 | 3.135 | 3.174 | 3.354 | 3.367 | 2.989 | 9.48 |
| 46) | CHLOROFORM | | | | | | | | | | |
| | | 2.646 | 2.807 | 2.779 | 2.816 | 2.689 | 2.876 | 2.826 | 2.888 | 2.865 | 2.799 | 2.96 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | |
| | | 2.729 | 3.054 | 2.793 | 2.988 | 2.813 | 2.955 | 2.896 | 3.028 | 3.020 | 2.920 | 4.02 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | |
| | | 2.474 | 2.500 | 2.353 | 2.453 | 2.343 | 2.561 | 2.618 | 2.798 | 2.832 | 2.548 | 6.87 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | |
| | | 2.051 | 2.325 | 2.277 | 2.344 | 2.366 | 2.602 | 2.682 | 2.902 | 2.961 | 2.501 | 12.18 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | |
| | | 1.957 | 2.162 | 2.154 | 2.195 | 2.048 | 2.139 | 2.092 | 2.177 | 2.182 | 2.123 | 3.66 |
| 51) | BENZENE | | | | | | | | | | |
| | | 4.645 | 4.341 | 4.061 | 4.092 | 3.835 | 3.998 | 3.955 | 4.074 | 4.073 | 4.119 | 5.80 |
| 52) | I 1,4-DIFLUOROBENZENE | ----------ISTD---------- | | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.369 | 0.346 | 0.343 | 0.352 | 0.340 | 0.351 | 0.349 | 0.367 | 0.363 | 0.353 | 2.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.170 | 0.164 | 0.179 | 0.182 | 0.179 | 0.185 | 0.183 | 0.193 | 0.193 | 0.181 | 5.20 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.398 | 0.396 | 0.357 | 0.373 | 0.365 | 0.380 | 0.376 | 0.401 | 0.401 | 0.383 | 4.32 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.333 | 0.350 | 0.324 | 0.336 | 0.327 | 0.347 | 0.336 | 0.359 | 0.356 | 0.341 | 3.70 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.338 | 0.344 | 0.317 | 0.319 | 0.303 | 0.314 | 0.308 | 0.326 | 0.325 | 0.321 | 4.17 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.690 | 0.695 | 0.682 | 0.662 | 0.696 | 0.748 | 0.759 | 0.821 | 0.830 | 0.731 | 8.42 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.513 | 0.538 | 0.542 | 0.547 | 0.578 | 0.618 | 0.621 | 0.666 | 0.668 | 0.588 | 9.80 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.621 | 1.605 | 1.636 | 1.614 | 1.577 | 1.612 | 1.580 | 1.672 | 1.650 | 1.619 | 1.91 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | | 0.177 | 0.255 | 0.238 | 0.213 | 0.206 | 0.190 | 0.198 | 0.201 | 0.210 | 12.16 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.586 | 0.559 | 0.576 | 0.557 | 0.538 | 0.559 | 0.559 | 0.593 | 0.587 | 0.568 | 3.21 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.303 | 0.292 | 0.300 | 0.280 | 0.291 | 0.307 | 0.310 | 0.335 | 0.335 | 0.306 | 6.10 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.397 | 0.363 | 0.379 | 0.349 | 0.335 | 0.331 | 0.323 | 0.339 | 0.333 | 0.350 | 7.08 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.352 | 0.383 | 0.374 | 0.375 | 0.419 | 0.463 | 0.487 | 0.537 | 0.541 | 0.437 | 16.64 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 1.112 | 1.040 | 1.039 | 1.032 | 1.007 | 1.061 | 1.057 | 1.119 | 1.108 | 1.064 | 3.76 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.501 | 0.487 | 0.509 | 0.512 | 0.507 | 0.534 | 0.536 | 0.565 | 0.553 | 0.523 | 4.98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | | 0.267 | 0.259 | 0.266 | 0.319 | 0.371 | 0.416 | 0.478 | 0.488 | 0.358 | 26.45 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.267 | 0.292 | 0.278 | 0.288 | 0.284 | 0.297 | 0.295 | 0.310 | 0.309 | 0.291 | 4.78 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.598 | 0.620 | 0.572 | 0.553 | 0.517 | 0.491 | 0.484 | 0.491 | 0.478 | 0.534 | 10.04 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.458 | 0.451 | 0.463 | 0.448 | 0.491 | 0.524 | 0.545 | 0.590 | 0.584 | 0.506 | 11.22 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.463 | 0.385 | 0.390 | 0.357 | 0.348 | 0.360 | 0.359 | 0.381 | 0.379 | 0.380 | 8.99 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.434 | 0.488 | 0.472 | 0.491 | 0.549 | 0.599 | 0.623 | 0.678 | 0.681 | 0.557 | 16.50 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.497 | 0.457 | 0.478 | 0.477 | 0.496 | 0.533 | 0.534 | 0.571 | 0.568 | 0.512 | 8.00 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 1.122 | 0.866 | 0.835 | 0.792 | 0.775 | 0.810 | 0.806 | 0.852 | 0.836 | 0.855 | 12.18 |
| 76) | I CHLOROBENZENE-D5 | ---------- | ISTD | ---------- | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.389 | 0.401 | 0.377 | 0.364 | 0.403 | 0.443 | 0.463 | 0.507 | 0.513 | 0.429 | 12.93 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.901 | 0.981 | 0.941 | 0.950 | 0.939 | 0.968 | 0.976 | 1.030 | 1.026 | 0.968 | 4.31 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.712 | 1.561 | 1.546 | 1.530 | 1.507 | 1.550 | 1.567 | 1.652 | 1.657 | 1.587 | 4.37 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 1.338 | 1.226 | 1.195 | 1.209 | 1.202 | 1.246 | 1.249 | 1.310 | 1.306 | 1.253 | 4.19 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 1.276 | 1.232 | 1.206 | 1.207 | 1.201 | 1.249 | 1.268 | 1.341 | 1.345 | 1.258 | 4.37 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.842 | 0.861 | 0.852 | 0.862 | 0.892 | 0.925 | 0.944 | 1.006 | 1.010 | 0.910 | 7.13 |
| 83) | NONANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2489 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

# Initial Calibration Verification



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.339 | -4.4 | 94 | 0.00 | 1.61 |
| 3 | T | FREON 152A | 0.692 | 0.659 | 4.8 | 95 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.311 | 6.9 | 92 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.535 | 5.4 | 95 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.114 | -2.6 | 99 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 0.844 | 11.9 | 93 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.483 | -3.8 | 101 | 0.00 | 1.72 |
| 9 | T | FREON 114 | 3.411 | 3.581 | -5.0 | 101 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.486 | 6.4 | 99 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.598 | -0.1 | 99 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.256 | 3.2 | 97 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.342 | 1.2 | 97 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.271 | 0.5 | 100 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.828 | -1.2 | 98 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.292 | -5.3 | 102 | 0.00 | 1.98 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 102 | 0.00 | 2.05 |
| 18 | T | ACROLEIN | 0.779 | 0.760 | 2.4 | 99 | 0.00 | 2.09 |
| 19 | T | FREON 123 | 3.176 | 3.121 | 1.7 | 96 | 0.00 | 2.10 |
| 20 | T | FREON 123A | 1.822 | 1.735 | 4.8 | 92 | 0.00 | 2.12 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.751 | -4.3 | 100 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.362 | 0.7 | 103 | 0.00 | 2.21 |
| 23 | T | ACETONE | 0.923 | 0.836 | 9.4 | 99 | 0.00 | 2.13 |
| 24 | T | PENTANE | 1.720 | 1.599 | 7.0 | 97 | 0.00 | 2.30 |
| 25 | T | IODOMETHANE | 3.102 | 3.305 | -6.5 | 101 | 0.00 | 2.36 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.386 | -3.6 | 102 | 0.00 | 2.39 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.327 | -10.9 | 107 | 0.00 | 2.52 |
| 28 | T | ETHANOL | 0.925 | 0.759 | 17.9 | 88 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.279 | -4.8 | 101 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.150 | 8.4 | 98 | 0.00 | 2.27 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.301 | 5.5 | 102 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.704 | 0.1 | 100 | 0.00 | 2.47 |
| 33 | T | FREON 113 | 2.106 | 2.269 | -7.7 | 104 | 0.00 | 2.52 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.340 | -2.7 | 102 | 0.00 | 2.75 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.902 | -20.0 | 115 | -0.01 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.328 | -1.5 | 100 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.640 | -2.4 | 96 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.432 | 10.9 | 91 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.318 | -6.7 | 104 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.353 | 3.2 | 96 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.636 | 4.4 | 94 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.344 | 2.9 | 96 | 0.00 | 3.19 |

# Initial Calibration Verification

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.699 | 1.5 | 94 | 0.00 | 3.32 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.486 | 6.9 | 91 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 2.977 | 0.4 | 95 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.786 | 0.5 | 97 | 0.00 | 3.34 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 2.738 | 6.2 | 92 | 0.00 | 3.83 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.487 | 2.4 | 97 | 0.00 | 3.91 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.437 | 2.6 | 93 | 0.00 | 4.33 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.036 | 4.1 | 95 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 3.772 | 8.4 | 94 | 0.00 | 4.22 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.339 | 4.0 | 94 | 0.00 | 4.43 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.178 | 1.7 | 94 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.371 | 3.1 | 96 | 0.00 | 5.12 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.332 | 2.6 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.315 | 1.9 | 98 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.731 | 0.0 | 96 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.601 | -2.2 | 95 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.510 | 6.7 | 92 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.196 | 6.7 | 93 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.517 | 9.0 | 90 | 0.00 | 5.53 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.302 | 1.3 | 96 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.313 | 10.6 | 92 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.425 | 2.7 | 90 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.019 | 4.2 | 94 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.366 | -2.2 | 97 | 0.00 | 6.73 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.294 | -1.0 | 97 | 0.00 | 6.89 |
| 70 | T | 2-HEXANONE | 0.534 | 0.460 | 13.9 | 91 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.529 | -4.5 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 96 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.581 | -4.3 | 95 | 0.00 | 7.79 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.521 | -1.8 | 96 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.745 | 12.9 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.429 | 0.0 | 94 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.941 | 2.8 | 95 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.502 | 5.4 | 94 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.194 | 4.7 | 93 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.192 | 5.2 | 93 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.891 | 2.1 | 94 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.903 | 9.2 | 90 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.548 | -0.7 | 91 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.875 | 1.2 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 93 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.729 | 0.7 | 98 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.469 | 1.7 | 95 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.886 | 1.8 | 95 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.442 | -1.1 | 96 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.490 | 0.2 | 94 | 0.00 | 15.29 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.702 | 2.1 | 92 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.428 | 2.3 | 93 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.806 | -3.7 | 97 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.344 | 1.7 | 95 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.502 | 1.7 | 93 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.634 | -42.5# | 109 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.011 | 0.9 | 94 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.984 | 2.7 | 95 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.956 | 2.0 | 95 | 0.00 | 17.04 |

# Initial Calibration Verification

**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.444 | -0.9 | 95 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.505 | 2.7 | 94 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.494 | -0.6 | 95 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 94 | 0.00 | 17.43 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.465 | 1.7 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.720 | 1.9 | 98 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.928 | 5.0 | 95 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.550 | 0.2 | 103 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.972 | 8.1 | 97 | 0.00 | 2.30 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

# Continuing Calibration Summary



**Job Number:** JE2489 **Sample:** V7W369-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2824\v7w369\7w09948.d Vial: 2
Acq On : 25 Oct 2024 11:00 am Operator: thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.664 | -29.8 | 97 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.888 | -28.3 | 106 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.352 | -5.4 | 87 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.909 | -17.6 | 99 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 3.913 | 2.4 | 79 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.121 | -17.0 | 103 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.806 | 16.4 | 68 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.188 | 6.5 | 75 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.469 | 9.6 | 80 | 0.00 | 1.74 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.654 | -3.6 | 85 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.286 | 0.9 | 82 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.315 | 2.4 | 80 | 0.00 | 1.86 |
| 14 | T | BROMOMETHANE | 1.277 | 1.151 | 9.9 | 76 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.843 | -3.1 | 83 | 0.00 | 1.97 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.992 | 4.3 | 77 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 85 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.758 | 2.7 | 83 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 2.995 | 5.7 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.685 | 7.5 | 74 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.136 | 12.8 | 70 | 0.00 | 2.20 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.063 | 9.6 | 78 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.865 | 6.3 | 85 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.651 | 4.0 | 83 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.852 | 8.1 | 73 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.238 | 7.5 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.522 | 9.7 | 73 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 1.016 | -9.8 | 98 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.177 | 3.6 | 77 | 0.00 | 2.07 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.200 | 4.4 | 85 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.150 | 16.5 | 75 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.630 | 10.6 | 75 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.799 | 14.6 | 69 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.380 | -5.7 | 87 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.985 | 8.2 | 73 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.614 | -10.2 | 91 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.720 | -15.2 | 90 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.941 | -7.8 | 91 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.333 | -11.7 | 91 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.839 | -16.7 | 96 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.756 | -13.7 | 93 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 88 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W369-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.807 | -13.7 | 90 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.573 | -9.8 | 90 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.366 | -12.6 | 89 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.820 | -0.8 | 81 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.326 | -13.9 | 93 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.689 | -5.5 | 87 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.750 | -10.0 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.120 | 0.1 | 82 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.414 | -7.2 | 92 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 85 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.377 | -6.8 | 92 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.201 | -11.0 | 93 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.390 | -1.8 | 88 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.381 | -11.7 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.343 | -6.9 | 93 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.774 | -5.9 | 88 | 0.00 | 5.02 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.614 | -4.4 | 85 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.708 | -5.5 | 90 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.215 | -2.4 | 89 | 0.00 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.559 | 1.6 | 85 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.334 | -9.2 | 93 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.342 | 2.3 | 88 | 0.00 | 6.18 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.505 | -15.6 | 93 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.078 | -1.3 | 87 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.542 | -3.6 | 86 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.432 | -20.7 | 99 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.311 | -6.9 | 89 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.494 | 7.5 | 86 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.568 | -12.3 | 92 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.408 | -7.4 | 97 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.606 | -8.8 | 86 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.550 | -7.4 | 88 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.779 | 8.9 | 82 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 85 | 0.00 | 10.13 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.473 | -10.3 | 91 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.943 | 2.6 | 83 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.516 | 4.5 | 83 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.192 | 4.9 | 81 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.209 | 3.9 | 82 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.950 | -4.4 | 87 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.902 | 9.3 | 79 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.599 | -10.1 | 87 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.910 | -2.7 | 85 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.714 | 0.3 | 84 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.719 | 2.0 | 84 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.484 | -1.5 | 86 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.896 | 0.7 | 84 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.450 | -3.0 | 86 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.505 | -2.9 | 85 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.766 | -1.6 | 84 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.444 | 1.2 | 82 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.787 | -1.3 | 83 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.348 | 0.6 | 84 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.477 | 3.3 | 80 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.887 | -99.3# | 133 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.061 | -4.0 | 86 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 1.032 | -2.1 | 87 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.980 | -0.4 | 85 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W369-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W09948.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.441 | -0.2 | 83 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.475 | 4.7 | 81 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.486 | 1.0 | 82 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 82 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.530 | -12.1 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.779 | -6.1 | 92 | 0.00 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.997 | -2.0 | 89 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 2.222 | 13.0 | 78 | 0.00 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.800 | 10.1 | 79 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Oct 28 10:43:11 2024

# Continuing Calibration Summary



**Job Number:** JE2489 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 2 | T | FREON 115 | 1.282 | 1.751 | -36.6# | 98 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.896 | -29.5 | 103 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.350 | -4.8 | 82 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.974 | -21.6 | 98 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.006 | 0.1 | 77 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.105 | -15.3 | 97 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.741 | 18.3 | 63 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.281 | 3.8 | 74 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.443 | 14.6 | 72 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.580 | 1.1 | 78 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.191 | 8.2 | 73 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 1.995 | 15.9 | 66 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.238 | 3.1 | 78 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.842 | -2.9 | 80 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.996 | 4.2 | 74 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.302 | 16.1 | 72 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.718 | 7.8 | 75 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.134 | 1.3 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.837 | -0.8 | 77 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.386 | 5.8 | 72 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 2.874 | 15.1 | 70 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.893 | 3.3 | 84 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.489 | 13.4 | 72 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.311 | -6.7 | 81 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.303 | 2.6 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.511 | 10.0 | 69 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.784 | 15.2 | 72 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.289 | -5.6 | 81 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.082 | 13.8 | 74 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.185 | 13.9 | 74 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.629 | 10.8 | 71 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.070 | 1.7 | 76 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.420 | -8.8 | 86 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.965 | 8.8 | 70 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.620 | -10.4 | 87 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.712 | -13.9 | 85 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.946 | -8.0 | 88 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.338 | -13.4 | 88 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.846 | -17.0 | 92 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.744 | -11.9 | 87 | 0.00 | 3.01 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 84 | 0.01 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.812 | -14.4 | 87 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.572 | -9.6 | 86 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.335 | -11.6 | 85 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.797 | 0.1 | 77 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.308 | -13.3 | 89 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.738 | -7.5 | 85 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.867 | -14.6 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.055 | 3.2 | 76 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.293 | -4.2 | 85 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.358 | -1.4 | 84 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.191 | -5.5 | 85 | 0.00 | 4.70 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.372 | 2.9 | 80 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.375 | -10.0 | 89 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.325 | -1.2 | 85 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.786 | -7.5 | 86 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.602 | -2.4 | 80 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.727 | -6.7 | 88 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.202 | 3.8 | 81 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.573 | -0.9 | 84 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.321 | -4.9 | 86 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 84 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.496 | -13.5 | 88 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.020 | 4.1 | 79 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.516 | 1.3 | 79 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.429 | -19.8 | 95 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.296 | -1.7 | 82 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.484 | 9.4 | 81 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.537 | -6.1 | 84 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.381 | -0.3 | 87 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.600 | -7.7 | 82 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.520 | -1.6 | 80 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.790 | 7.6 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.459 | -7.0 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.879 | 9.2 | 76 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.418 | 10.6 | 76 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.118 | 10.8 | 75 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.118 | 11.1 | 75 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.860 | 5.5 | 77 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.887 | 10.9 | 75 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.598 | -9.9 | 85 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.832 | 6.1 | 76 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.649 | 9.4 | 74 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.681 | 7.2 | 78 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.439 | 8.0 | 76 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.818 | 9.3 | 75 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.402 | 8.0 | 75 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.459 | 6.5 | 76 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.624 | 6.6 | 75 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.314 | 10.1 | 73 | 0.00 | 15.99 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.701 | 9.8 | 72 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.319 | 8.9 | 76 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.357 | 11.2 | 72 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.850 | -91.0# | 125 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 76 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.931 | 7.9 | 77 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.892 | 8.6 | 76 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 75 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.334 | 13.8 | 71 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.444 | 9.6 | 73 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.445 | 8.8 | 73 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.499 | -5.5 | 85 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.703 | 4.2 | 82 | -0.01 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.850 | 13.0 | 74 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.975 | 22.7 | 68 | -0.01 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.045 | 18.8 | 68 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

# Continuing Calibration Summary



**Job Number:** JE2489 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.597 | -24.6 | 106 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.845 | -22.1 | 116 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.367 | -9.9 | 103 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.750 | -7.8 | 104 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.015 | -0.1 | 92 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.036 | -8.1 | 109 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.440 | -2.5 | 95 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.591 | -5.3 | 97 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.525 | -1.2 | 102 | 0.00 | 1.74 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.831 | -14.7 | 108 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.394 | -7.4 | 102 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.511 | -5.9 | 99 | 0.00 | 1.86 |
| 14 | T | BROMOMETHANE | 1.277 | 1.268 | 0.7 | 95 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.894 | -9.3 | 101 | 0.00 | 1.97 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.273 | -4.7 | 96 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.517 | 2.3 | 101 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.741 | 4.9 | 92 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.251 | -2.4 | 96 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.740 | 4.5 | 88 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.411 | 5.1 | 87 | 0.00 | 2.20 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.192 | 5.8 | 93 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.924 | -0.1 | 104 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.710 | 0.6 | 99 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.955 | 4.7 | 86 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.347 | -0.7 | 94 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.075 | -4.5 | 96 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.966 | -4.4 | 106 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.218 | 0.2 | 92 | 0.00 | 2.07 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.180 | 6.0 | 96 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.321 | 4.1 | 99 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.729 | -3.4 | 99 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.904 | 9.6 | 83 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.312 | -0.5 | 95 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.494 | -7.5 | 98 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.587 | -9.4 | 103 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.694 | -11.0 | 99 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.834 | -3.8 | 101 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.330 | -10.7 | 103 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.841 | -16.8 | 110 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.732 | -10.1 | 103 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.473 | -6.4 | 101 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.788 | -11.0 | 101 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.571 | -9.4 | 102 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.277 | -9.6 | 99 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.905 | -3.8 | 96 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.178 | -8.8 | 102 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.774 | -8.9 | 103 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.738 | -9.5 | 100 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.191 | -3.2 | 97 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 4.181 | -1.5 | 99 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.363 | -2.8 | 102 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.188 | -3.9 | 101 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.373 | 2.6 | 97 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.367 | -7.6 | 105 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.317 | 1.2 | 100 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.756 | -3.4 | 100 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.611 | -3.9 | 98 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.632 | -0.8 | 100 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.199 | 5.2 | 96 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.526 | 7.4 | 93 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.310 | -1.3 | 100 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.325 | 7.1 | 97 | 0.00 | 6.18 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.489 | -11.9 | 104 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 0.993 | 6.7 | 92 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 95 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.425 | -18.7 | 113 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.301 | -3.4 | 100 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.459 | 14.0 | 92 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.522 | -3.2 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.379 | 0.3 | 104 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.577 | -3.6 | 95 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.526 | -2.7 | 98 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.739 | 13.6 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.507 | -18.2 | 103 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.982 | -1.4 | 91 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.539 | 3.0 | 89 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.217 | 2.9 | 88 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.228 | 2.4 | 88 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.932 | -2.4 | 91 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.955 | 4.0 | 88 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.603 | -10.8 | 93 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.948 | -7.0 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.736 | -2.8 | 91 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.716 | 2.5 | 89 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.492 | -3.1 | 92 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.910 | -0.9 | 90 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.455 | -4.1 | 92 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.517 | -5.3 | 92 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.764 | -1.5 | 88 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.445 | 1.2 | 87 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.776 | 0.1 | 87 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.360 | -2.9 | 92 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.525 | 0.2 | 87 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.913 | -105.2# | 145# | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.065 | -4.4 | 91 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 1.028 | -1.7 | 91 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.983 | -0.7 | 91 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2489 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.463 | -5.2 | 92 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.509 | 2.5 | 87 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.518 | -5.5 | 92 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.511 | -4.7 | 90 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.554 | -17.1 | 101 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.795 | -8.3 | 100 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.971 | 0.6 | 92 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.197 | 14.0 | 82 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 8.196 | 5.6 | 95 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2125 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2125-BFB | 5W55458.D | 12/09/24 03:34 | n/a | BFB Tune |
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | n/a | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | n/a | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | n/a | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | n/a | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | n/a | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | n/a | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | n/a | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | n/a | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | n/a | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 13:55 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2136 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2136-BFB | 5W55777.D | 12/20/24 12:26 | n/a | BFB Tune |
| V5W2136-CC2125 | 5W55778.D | 12/20/24 13:06 | n/a | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 13:55 | n/a | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 15:34 | n/a | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 17:06 | n/a | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 18:21 | n/a | (used for QC only; not part of job JE2489) |
| JE2665-1DUP | 5W55785.D | 12/20/24 19:03 | n/a | Duplicate |
| JE2489-2 | 5W55786.D | 12/20/24 19:55 | n/a | IA-7 |
| JE2489-3 | 5W55788.D | 12/20/24 21:22 | n/a | SS-8 |
| JE2489-4 | 5W55789.D | 12/20/24 22:14 | n/a | IA-8 |
| ZZZZZZ | 5W55790.D | 12/20/24 22:55 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55791.D | 12/20/24 23:46 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55792.D | 12/21/24 00:26 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55793.D | 12/21/24 01:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55794.D | 12/21/24 01:49 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55795.D | 12/21/24 02:30 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55796.D | 12/21/24 03:11 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55797.D | 12/21/24 03:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55798.D | 12/21/24 04:35 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55799.D | 12/21/24 05:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 06:08 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2138 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2138-BFB | 5W55818.D | 12/23/24 08:13 | n/a | BFB Tune |
| V5W2138-CC2125 | 5W55819.D | 12/23/24 09:11 | n/a | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 10:07 | n/a | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 11:17 | n/a | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 12:54 | n/a | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 14:29 | n/a | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 15:24 | n/a | (used for QC only; not part of job JE2489) |
| JE2315-1DUP | 5W55826.D | 12/23/24 16:11 | n/a | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 16:52 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 17:34 | n/a | (unrelated sample) |
| JE2489-1 | 5W55829.D | 12/23/24 18:20 | n/a | SS-7 |
| ZZZZZZ | 5W55830.D | 12/23/24 19:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55831.D | 12/23/24 19:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55832.D | 12/23/24 20:23 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55833.D | 12/23/24 21:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 21:56 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 22:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 23:28 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 00:14 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 01:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 01:54 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55840.D | 12/24/24 02:41 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W305 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W305-BFB | 7W07974.D | 08/18/24 21:06 | n/a | BFB Tune |
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | n/a | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | n/a | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | n/a | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | n/a | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | n/a | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | n/a | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | n/a | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | n/a | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | n/a | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 06:28 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W369 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W369-BFB | 7W09947.D | 10/25/24 10:24 | n/a | BFB Tune |
| V7W369-CC305 | 7W09948.D | 10/25/24 11:00 | n/a | Continuing cal 10 |
| V7W369-BS | 7W09949.D | 10/25/24 12:02 | n/a | Blank Spike |
| V7W369-BSD | 7W09950.D | 10/25/24 12:38 | n/a | Blank Spike Duplicate |
| V7W369-MB | 7W09952.D | 10/25/24 14:04 | n/a | Method Blank |
| ZZZZZZ | 7W09953.D | 10/25/24 15:54 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09954.D | 10/25/24 16:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09955.D | 10/25/24 17:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09956.D | 10/25/24 17:40 | n/a | (unrelated sample) |
| JD98774-1 | 7W09957.D | 10/25/24 18:22 | n/a | (used for QC only; not part of job JE2489) |
| JD98774-1DUP | 7W09958.D | 10/25/24 19:04 | n/a | Duplicate |
| ZZZZZZ | 7W09959.D | 10/25/24 19:46 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09960.D | 10/25/24 20:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09961.D | 10/25/24 21:10 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09962.D | 10/25/24 21:51 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09963.D | 10/25/24 22:32 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09964.D | 10/25/24 23:14 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09965.D | 10/25/24 23:55 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09966.D | 10/26/24 00:32 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09971.D | 10/26/24 03:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W09972.D | 10/26/24 04:01 | n/a | (unrelated sample) |
| V7W369-SCC | 7W09976.D | 10/26/24 06:41 | n/a | Summa Cleaning Certification |
| V7W369-SCC | 7W09977.D | 10/26/24 07:22 | n/a | Summa Cleaning Certification |
| V7W369-SCC | 7W09978.D | 10/26/24 08:03 | n/a | Summa Cleaning Certification |
| V7W369-SCC | 7W09979.D | 10/26/24 08:43 | n/a | Summa Cleaning Certification |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W387 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W387-BFB | 7W10575.D | 11/18/24 08:59 | n/a | BFB Tune |
| V7W387-CC305 | 7W10576.D | 11/18/24 09:35 | n/a | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 10:11 | n/a | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 10:46 | n/a | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 12:04 | n/a | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 13:59 | n/a | (used for QC only; not part of job JE2489) |
| JD99820-1DUP | 7W10583.D | 11/18/24 14:40 | n/a | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 15:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 16:44 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 17:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 18:07 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 19:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 20:11 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 20:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 21:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 22:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 22:41 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 23:53 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 00:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 01:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 02:18 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 02:55 | n/a | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 03:31 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 04:07 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 04:48 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10606.D | 11/19/24 05:29 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 06:10 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 06:51 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2489
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W392 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W392-BFB | 7W10742.D | 11/25/24 08:36 | n/a | BFB Tune |
| V7W392-CC305 | 7W10743.D | 11/25/24 09:11 | n/a | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 09:50 | n/a | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 10:26 | n/a | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 11:46 | n/a | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 12:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 13:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 13:39 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 14:14 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 14:56 | n/a | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 16:07 | n/a | (used for QC only; not part of job JE2489) |
| ZZZZZZ | 7W10757.D | 11/25/24 17:55 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 18:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 19:05 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 19:40 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 20:16 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 21:26 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 22:01 | n/a | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 22:38 | n/a | (used for QC only; not part of job JE2489) |
| ZZZZZZ | 7W10766.D | 11/25/24 23:19 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 00:00 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 00:42 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 02:42 | n/a | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 03:23 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 04:04 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10774.D | 11/26/24 04:44 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 05:25 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 06:47 | n/a | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 08:24 | n/a | Duplicate |

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55829.D
Acq On : 23 Dec 2024 6:20 pm
Operator : thomash
Sample : je2489-1 Inst : GCMS5W
Misc : MS88104,V5W2138,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 24 17:04:22 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

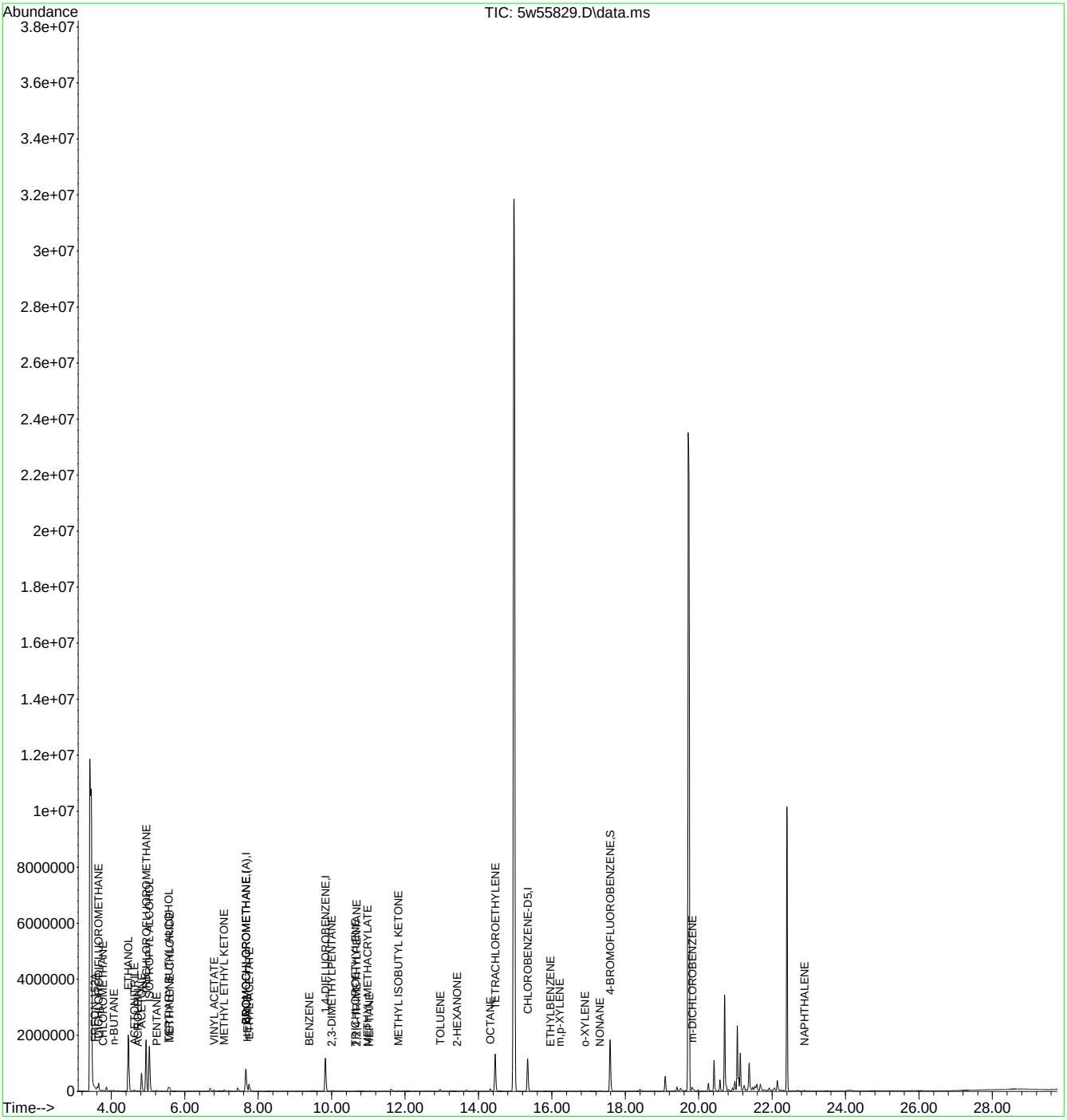
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 211041 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1036893 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 471557 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 211041 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 670279 | 12.70 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 127.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 17379 | 1.1130 | PPBV | 49 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 210970 | 2.7355 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 1099 | 0.1105 | PPBV # | 62 |
| 13) n-BUTANE | 4.066 | 43 | 27836 | 0.6174 | PPBV # | 95 |
| 17) ACETONITRILE | 4.622 | 41 | 51545 | 1.9793 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 6750 | 0.5936 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1484831 | 20.8336 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 2207829 | 48.8918 | PPBV | 99 |
| 23) ACETONE | 4.818 | 58 | 237453 | 13.9504 | PPBV | 98 |
| 24) PENTANE | 5.234 | 42 | 15341 | 0.6839 | PPBV | 92 |
| 28) ETHANOL | 4.463 | 45 | 2644606 | 159.7940 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 42207 | 1.9068 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 181652 | 4.2763 | PPBV | 89 |
| 38) HEXANE | 7.700 | 57 | 54040 | 1.6343 | PPBV | 91 |
| 39) VINYL ACETATE | 6.800 | 86 | 3585 | 0.9485 | PPBV # | 47 |
| 41) METHYL ETHYL KETONE | 7.069 | 72 | 19456 | 2.1253 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.755 | 61 | 44919 | 6.6517 | PPBV # | 77 |
| 52) BENZENE | 9.394 | 78 | 19529 | 0.2598 | PPBV | 98 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 2655 | 0.1742 | PPBV # | 8 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 2017 | 0.0509 | PPBV | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 15650 | 0.1371 | PPBV | 65 |
| 62) HEPTANE | 11.028 | 43 | 13100 | 0.3286 | PPBV | 70 |
| 63) METHYL METHACRYLATE | 10.973 | 69 | 2730 | 0.1093 | PPBV # | 87 |
| 64) METHYL ISOBUTYL KETONE | 11.817 | 58 | 3507 | 0.1651 | PPBV # | 40 |
| 66) TOLUENE | 12.961 | 92 | 36223 | 0.6891 | PPBV | 98 |
| 71) 2-HEXANONE | 13.414 | 58 | 2898 | 0.1303 | PPBV # | 24 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 383179 | 12.4406 | PPBV | 82 |
| 76) OCTANE | 14.325 | 43 | 56160 | 1.3559 | PPBV | 84 |
| 79) ETHYLBENZENE | 15.958 | 91 | 8525 | 0.0981 | PPBV | 91 |
| 80) m,p-XYLENE | 16.209 | 106 | 8962 | 0.2717 | PPBV | 84 |
| 81) o-XYLENE | 16.901 | 106 | 3223 | 0.1007 | PPBV | 93 |
| 83) NONANE | 17.304 | 43 | 11293 | 0.2613 | PPBV # | 90 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 18214 | 0.2821 | PPBV | 96 |
| 108) NAPHTHALENE | 22.884 | 128 | 24221 | 0.2113 | PPBV | 99 |

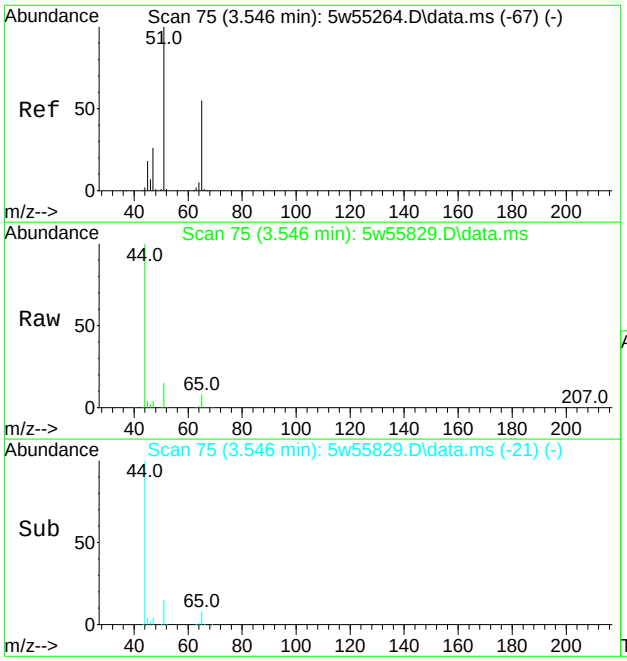
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55829.D
Acq On : 23 Dec 2024 6:20 pm
Operator : thomash
Sample : je2489-1 Inst : GCMS5W
Misc : MS88104,V5W2138,400,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 24 17:04:22 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

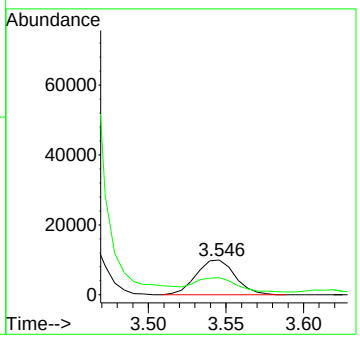


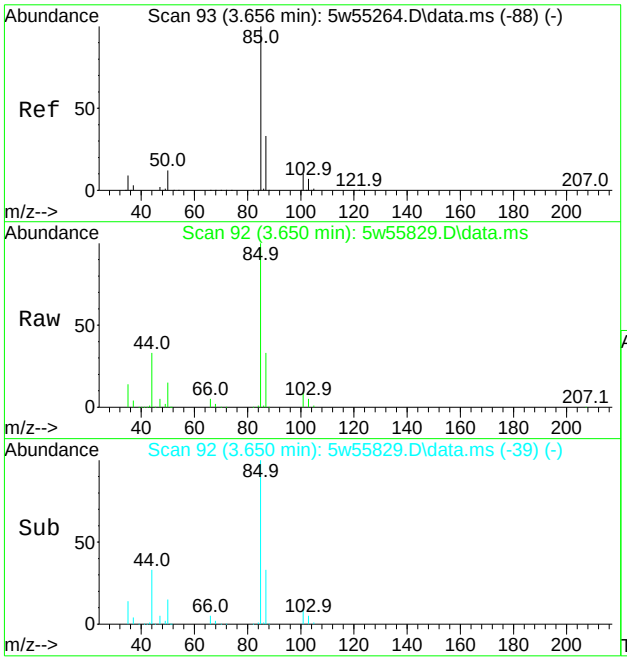



#3
FREON 152A
Concen: 1.1130 PPBV
RT: 3.546 min Scan# 75
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 65 Resp: 17379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 60.4 | 1.8 | 61.8 |

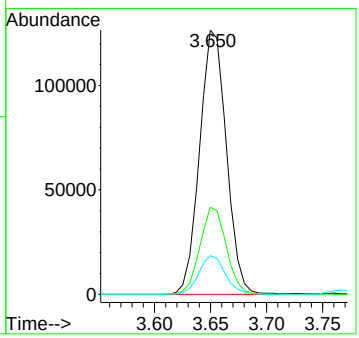


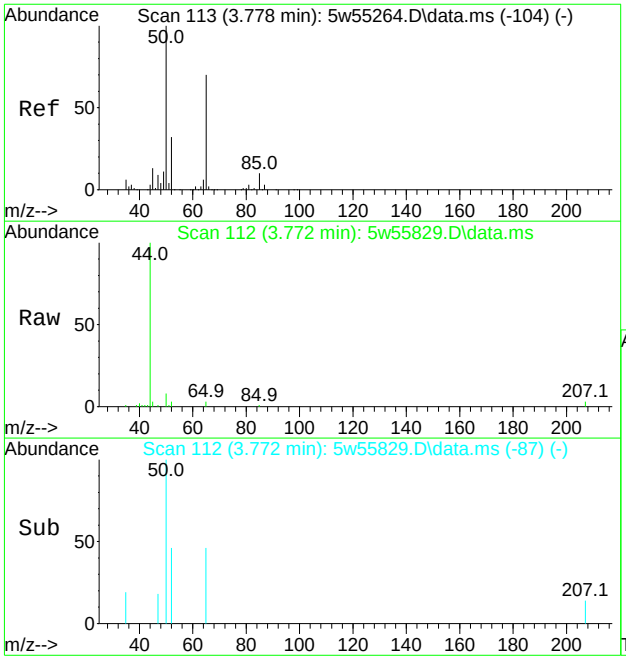




#6
DICHLORODIFLUOROMETHANE
Concen: 2.7355 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 85 Resp: 210970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 2.6 | 62.6 |
| 50 | 14.6 | 0.0 | 43.0 |

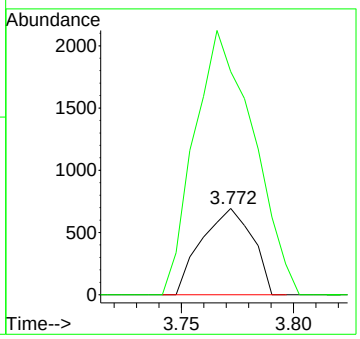


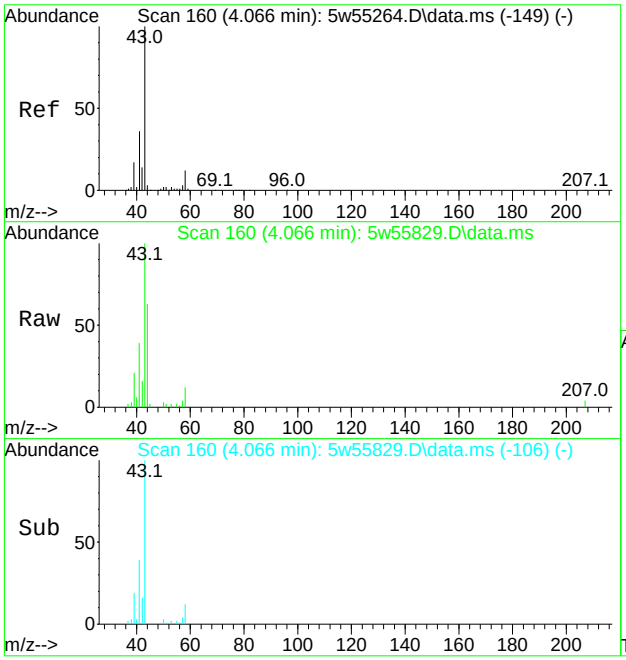



#10
CHLOROMETHANE
Concen: 0.1105 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 52 Resp: 1099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 240.4 | 287.9 | 347.9# |

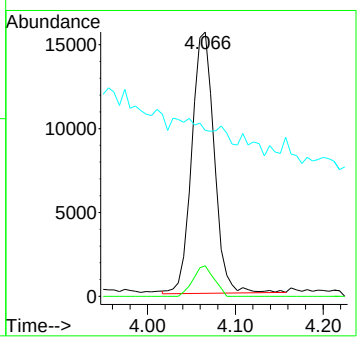


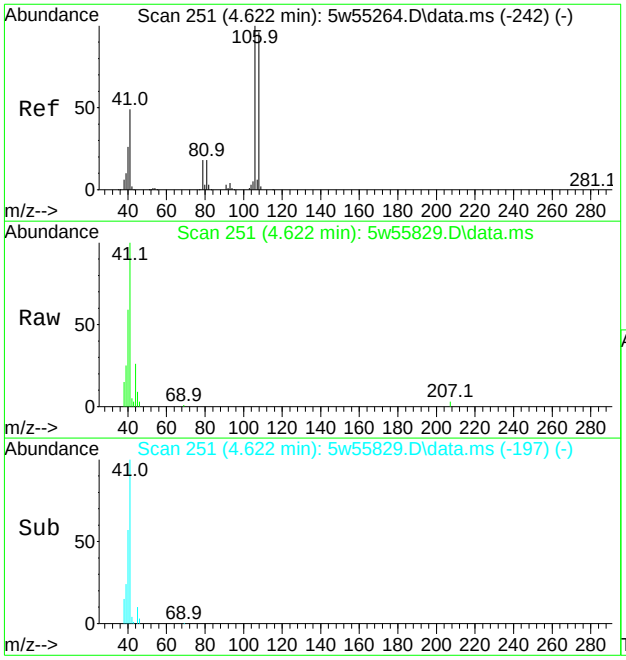




#13
n-BUTANE
Concen: 0.6174 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 27836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.0 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

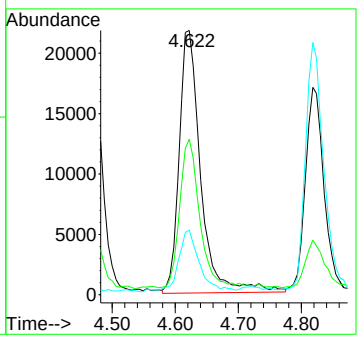


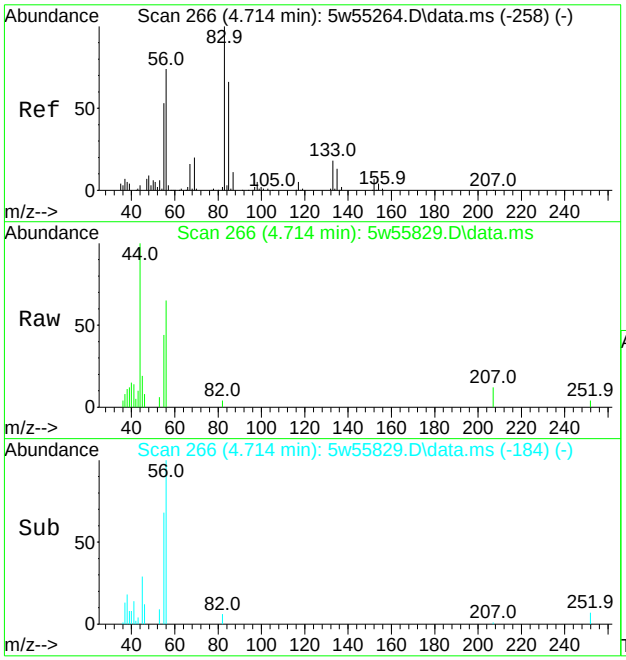



#17
ACETONITRILE
Concen: 1.9793 PPBV
RT: 4.622 min Scan# 251
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 41 Resp: 51545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 55.5 | 38.4 | 71.4 |
| 39 | 22.7 | 13.7 | 25.5 |

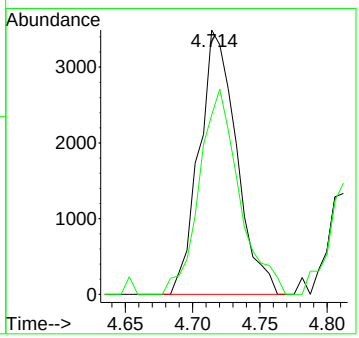


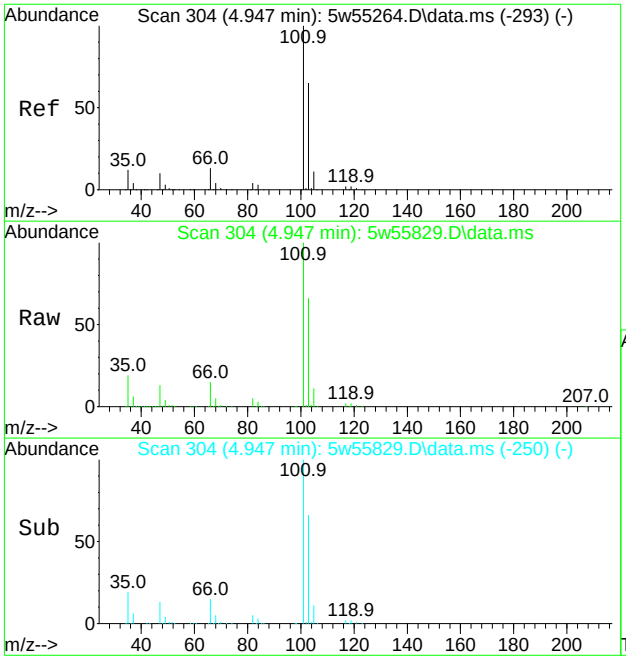




#18
ACROLEIN
Concen: 0.5936 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 56 Resp: 6750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 82.8 | 49.8 | 92.6 |

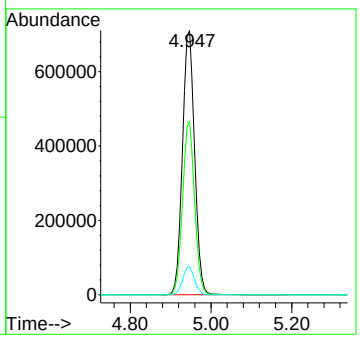


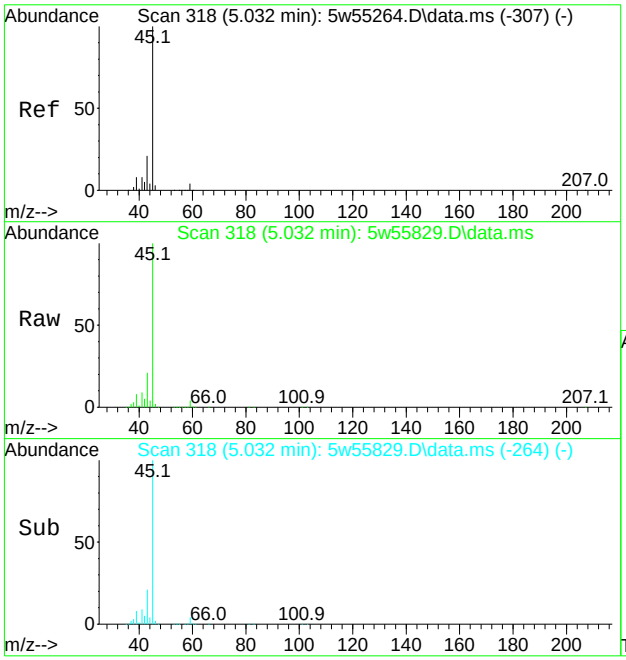



#21
TRICHLOROFLUOROMETHANE
Concen: 20.8336 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:101 Resp: 1484831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.9 | 34.7 | 94.7 |
| 105 | 10.4 | 0.0 | 40.5 |

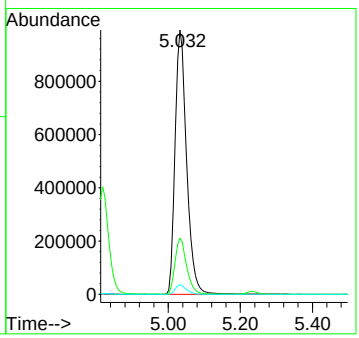


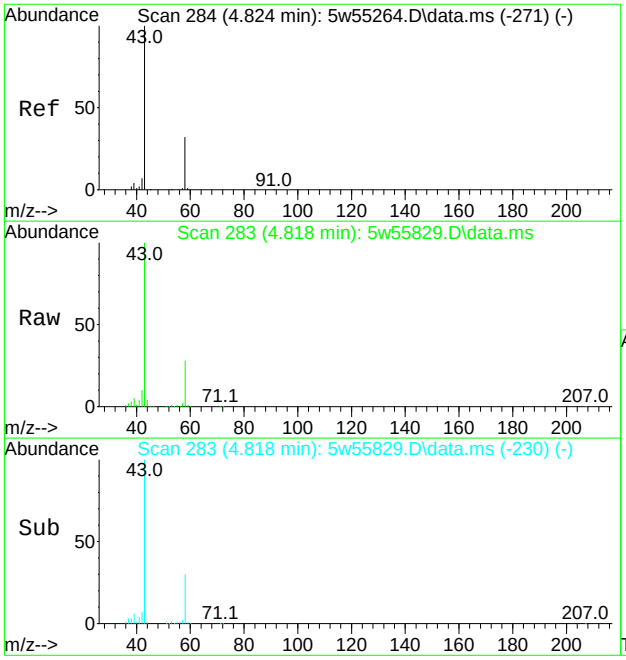




#22
ISOPROPYL ALCOHOL
Concen: 48.8918 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 45 Resp: 2207829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.3 | 0.0 | 50.8 |
| 59 | 3.7 | 0.0 | 33.8 |

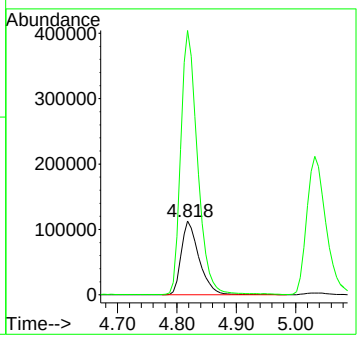


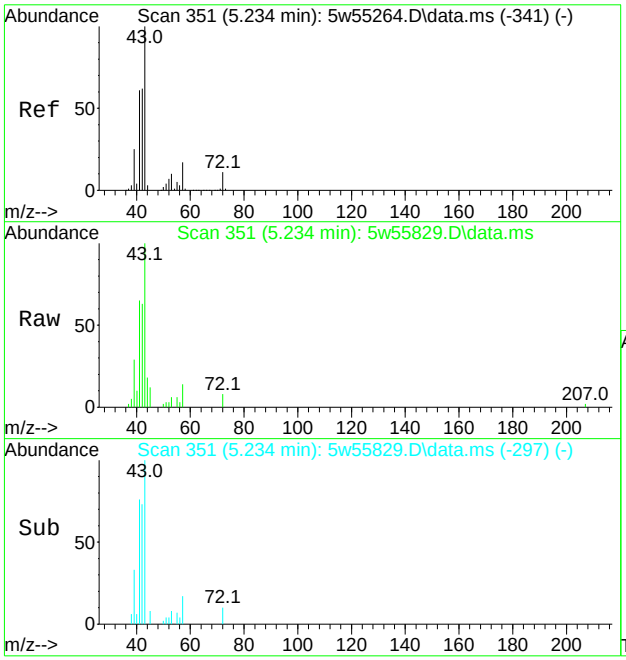



#23
ACETONE
Concen: 13.9504 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 237453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 337.2 | 312.3 | 372.3 |

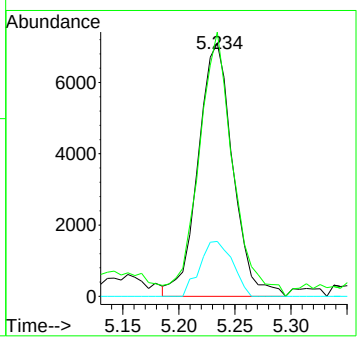


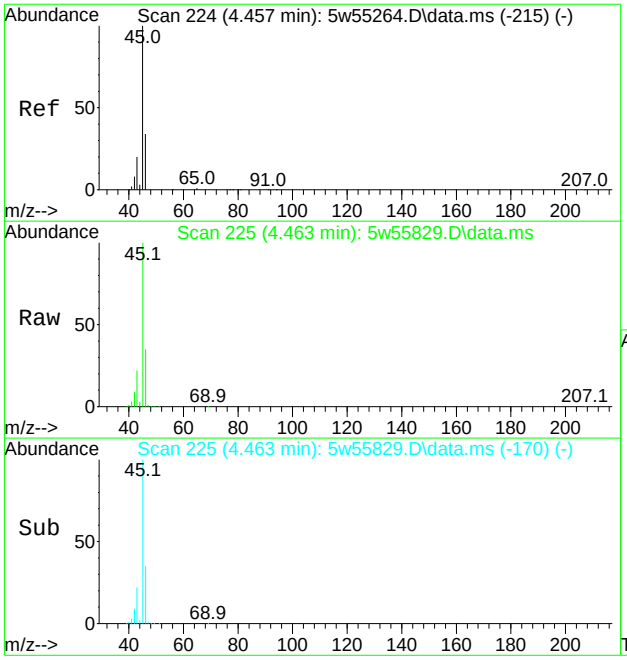




#24
PENTANE
Concen: 0.6839 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 42 Resp: 15341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 102.1 | 64.4 | 124.4 |
| 57 | 20.4 | 0.0 | 55.0 |

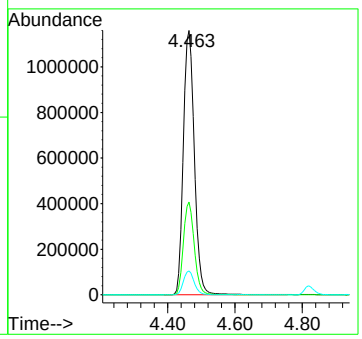


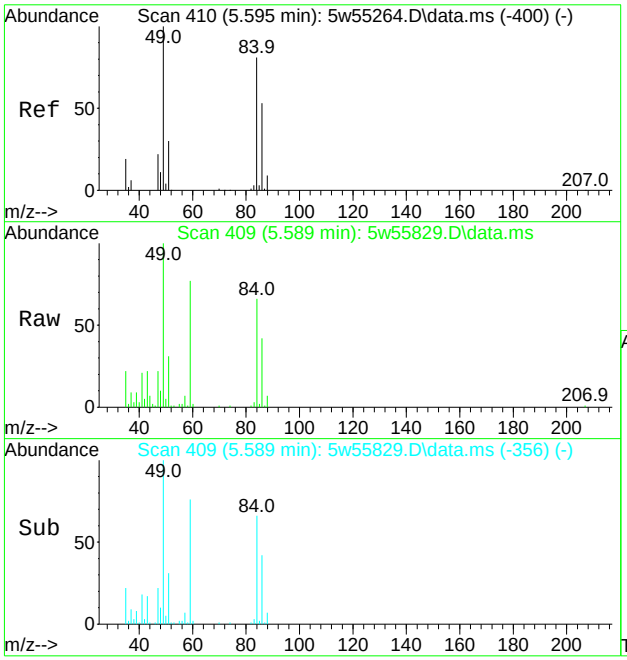



#28
ETHANOL
Concen: 159.7940 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 45 Resp: 2644606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 8.9 | 0.0 | 38.6 |

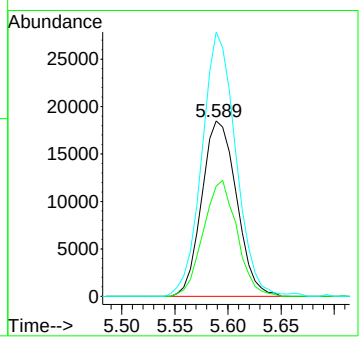


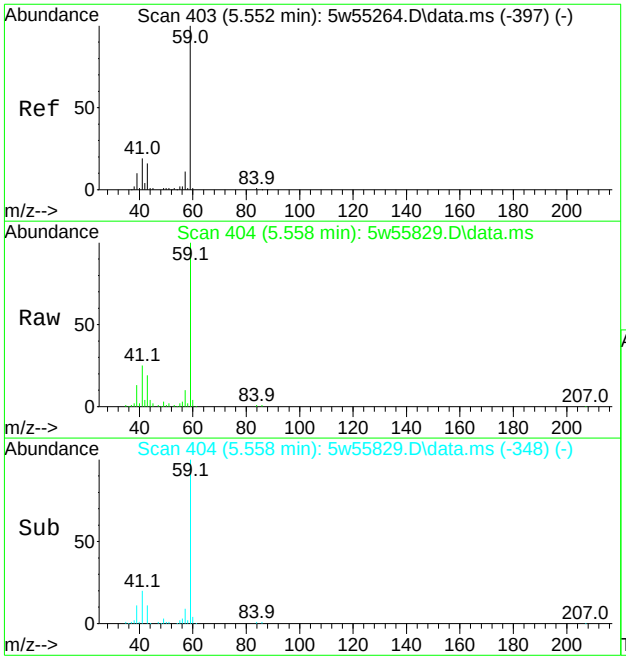




#31
METHYLENE CHLORIDE
Concen: 1.9068 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 84 Resp: 42207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.9 | 34.0 | 94.0 |
| 49 | 146.9 | 105.8 | 165.8 |

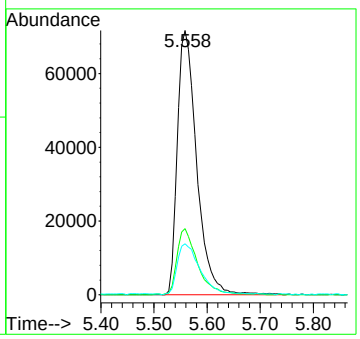


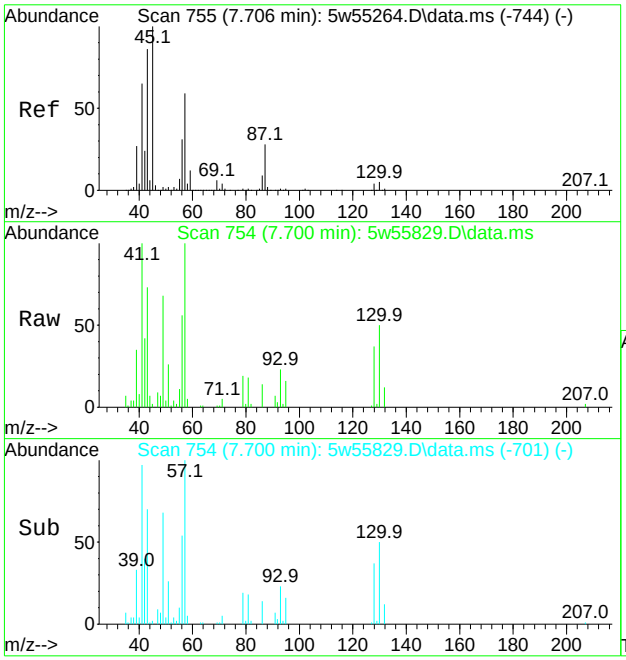



#35
TERTIARY BUTYL ALCOHOL
Concen: 4.2763 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 59 Resp: 181652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 26.7 | 0.0 | 53.1 |
| 43 | 23.5 | 0.0 | 47.1 |

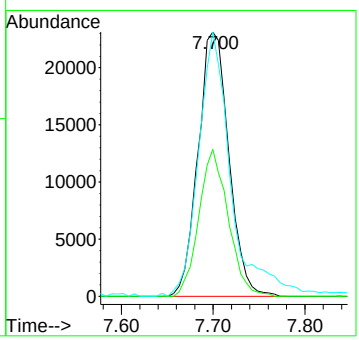


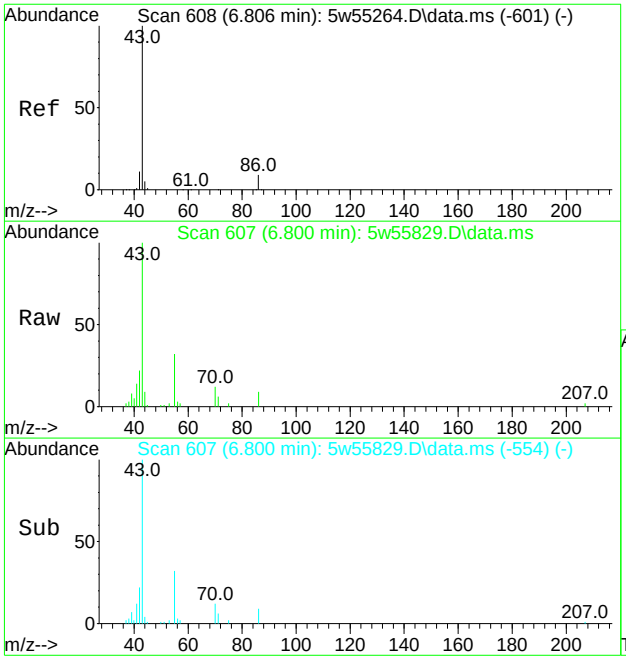




#38
HEXANE
Concen: 1.6343 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 57 Resp: 54040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 52.8 | 24.2 | 84.2 |
| 41 | 107.8 | 92.1 | 152.1 |

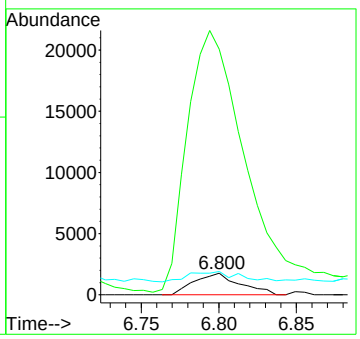


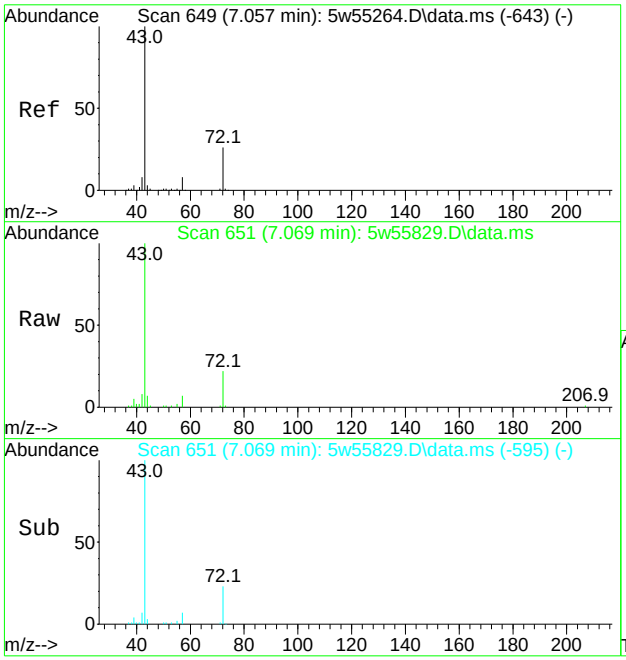



#39
VINYL ACETATE
Concen: 0.9485 PPBV
RT: 6.800 min Scan# 607
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 86 Resp: 3585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1670.1 | 1335.5 | 1395.5# |
| 44 | 60.5 | 40.9 | 100.9 |

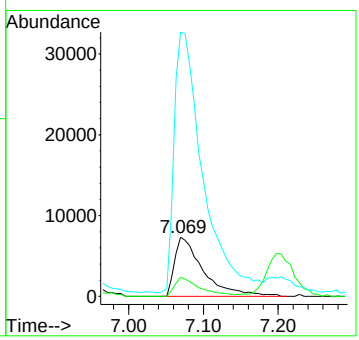


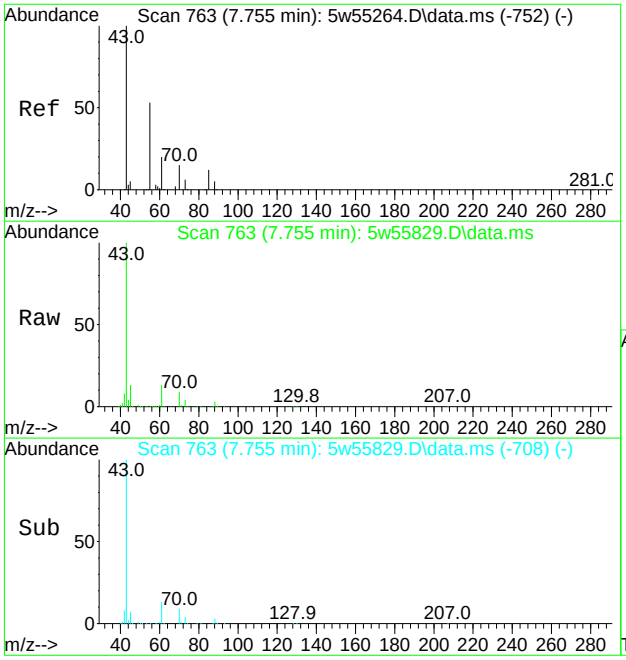




#41
METHYL ETHYL KETONE
Concen: 2.1253 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 72 Resp: 19456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 32.2 | 1.1 | 61.1 |
| 43 | 446.3 | 390.6 | 450.6 |

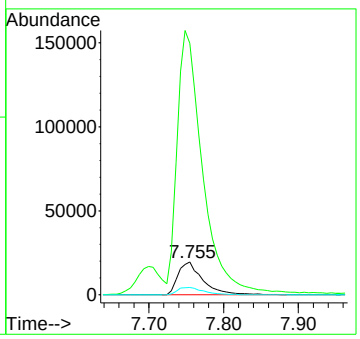


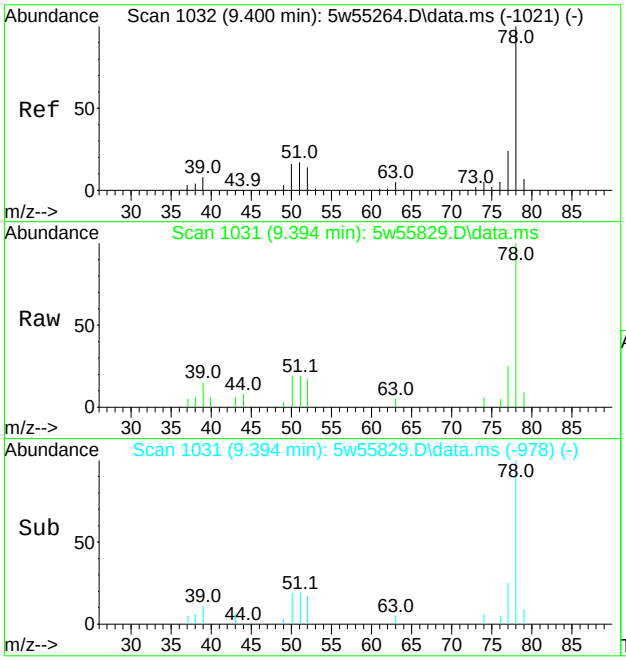



#44
ETHYL ACETATE
Concen: 6.6517 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 61 Resp: 44919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 839.8 | 0.0 | 30.0# |
| 88 | 23.6 | 7.3 | 67.3 |

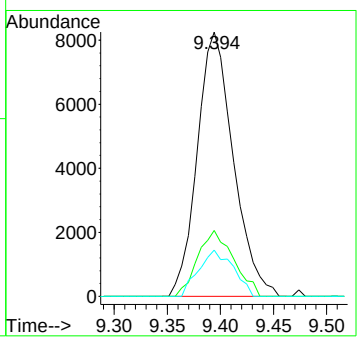


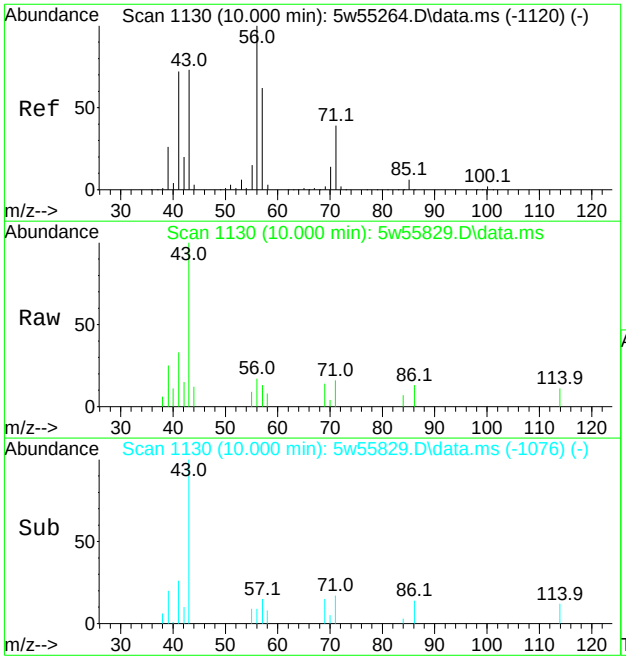




#52
BENZENE
Concen: 0.2598 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 78 Resp: 19529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.8 | 0.0 | 54.0 |
| 52 | 16.7 | 0.0 | 45.6 |

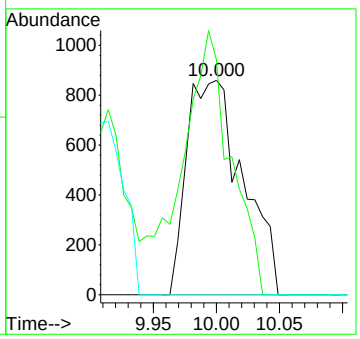


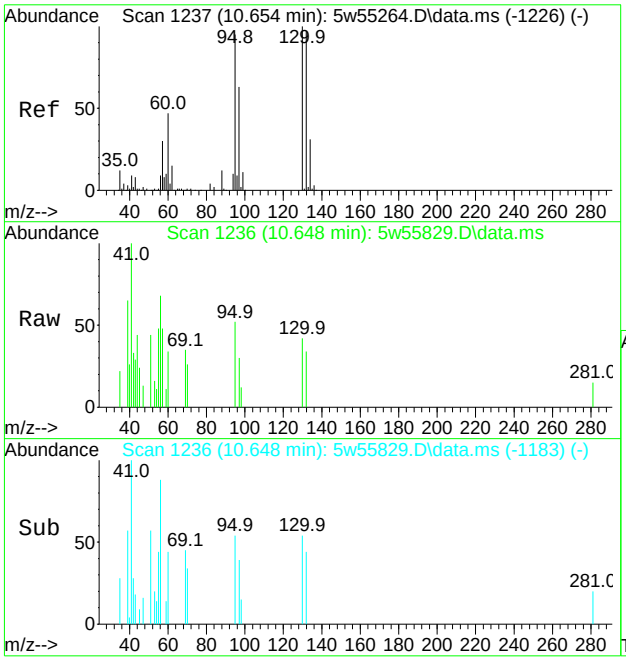



#54
2,3-DIMETHYLPENTANE
Concen: 0.1742 PPBV
RT: 10.000 min Scan# 1130
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 71 Resp: 2655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 93.3 | 235.4 | 295.4# |
| 85 | 0.0 | 0.0 | 45.3 |

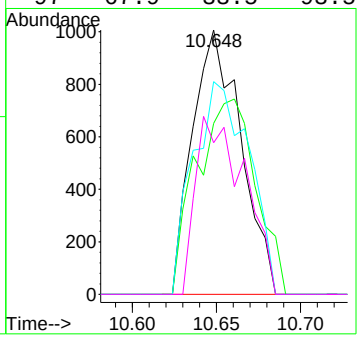


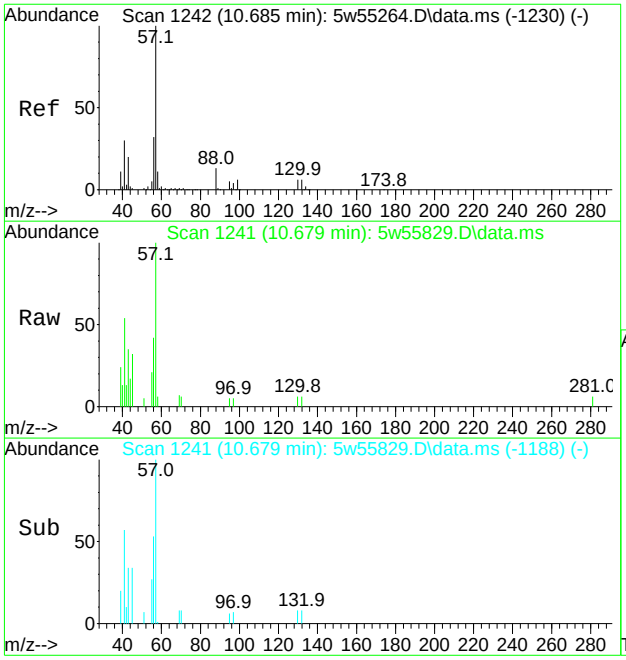




#55
TRICHLOROETHYLENE
Concen: 0.0509 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 95 Resp: 2017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 90.5 | 60.0 | 120.0 |
| 130 | 92.1 | 64.1 | 124.1 |
| 97 | 67.9 | 33.5 | 93.5 |

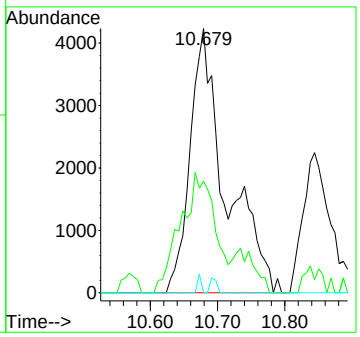


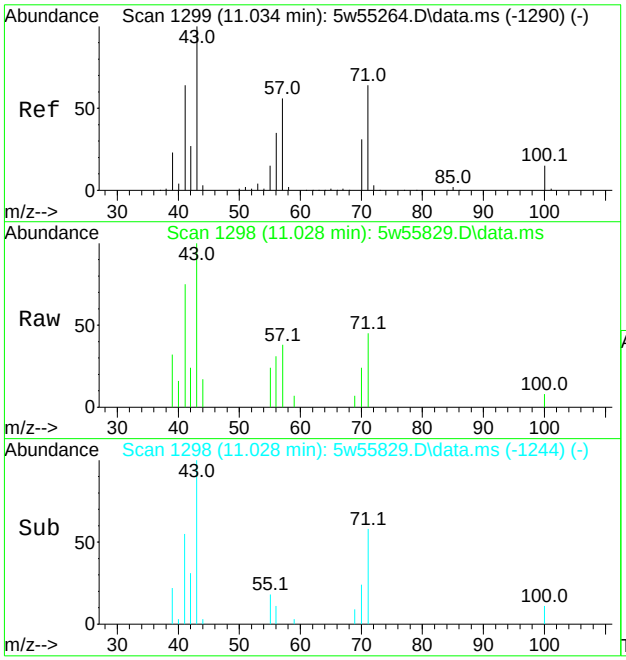



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1371 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 57 Resp: 15650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.8 | 2.2 | 62.2 |
| 99 | 0.7 | 0.0 | 37.6 |

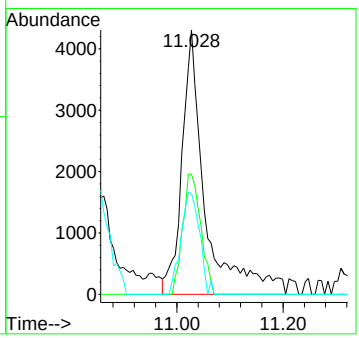


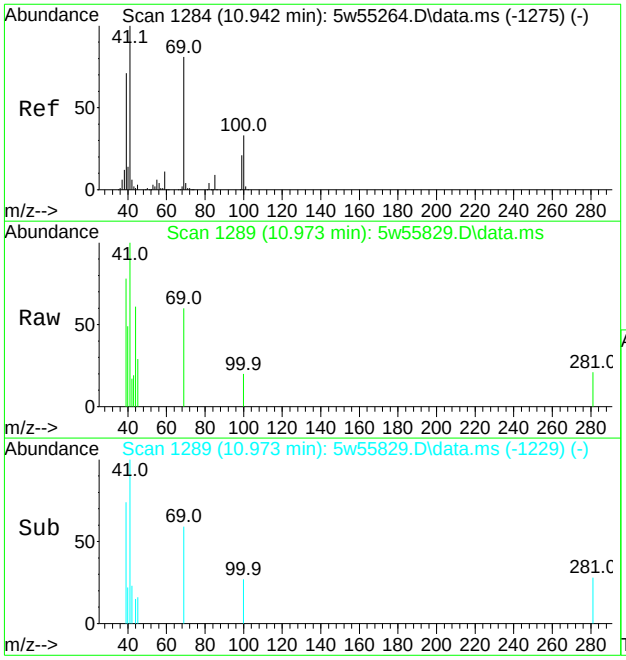




#62
HEPTANE
Concen: 0.3286 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 13100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 35.5 | 27.2 | 87.2 |
| 57 | 31.0 | 22.5 | 82.5 |

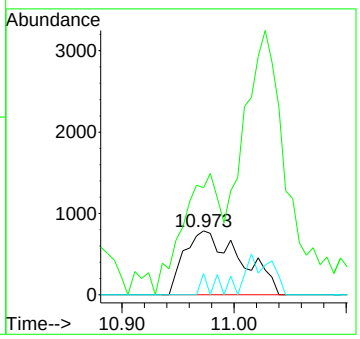


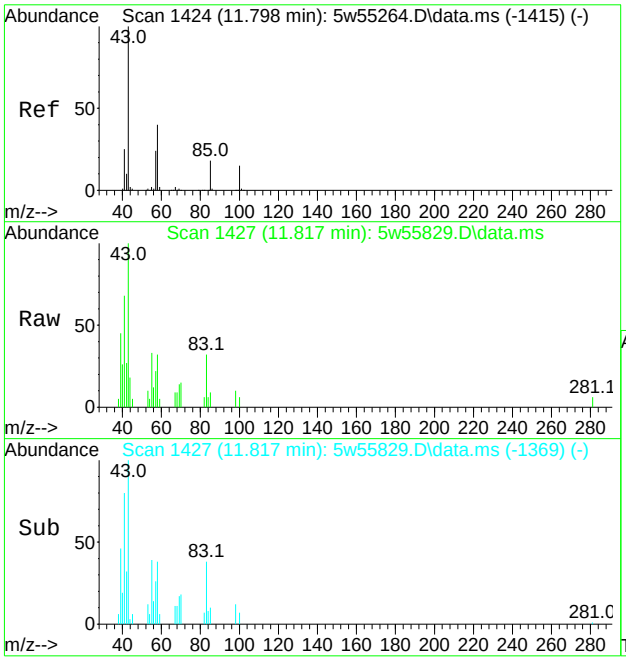



#63
METHYL METHACRYLATE
Concen: 0.1093 PPBV
RT: 10.973 min Scan# 1289
Delta R.T. 0.037 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 69 Resp: 2730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 128.9 | 97.3 | 157.3 |
| 100 | 0.0 | 3.0 | 63.0# |

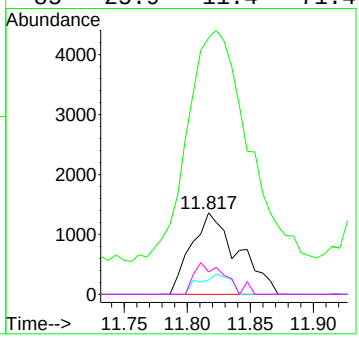


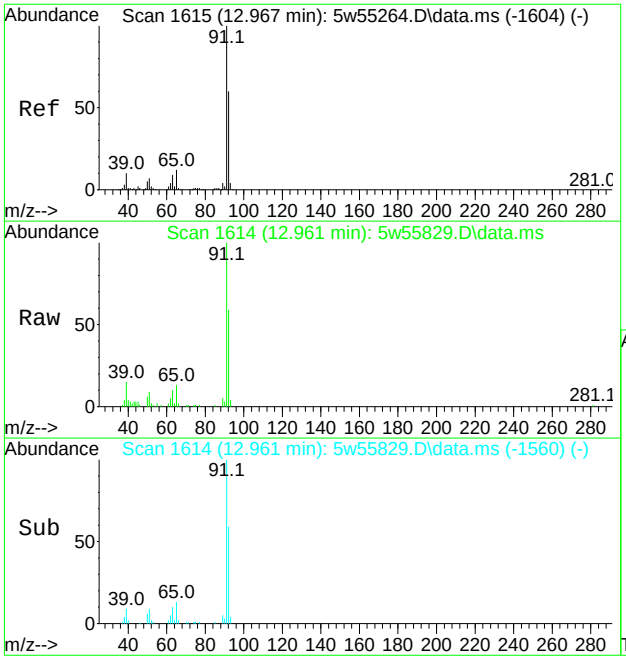




#64
METHYL ISOBUTYL KETONE
Concen: 0.1651 PPBV
RT: 11.817 min Scan# 1427
Delta R.T. 0.024 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 3507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 391.7 | 236.1 | 296.1# |
| 100 | 16.2 | 0.7 | 60.7 |
| 85 | 25.9 | 11.4 | 71.4 |

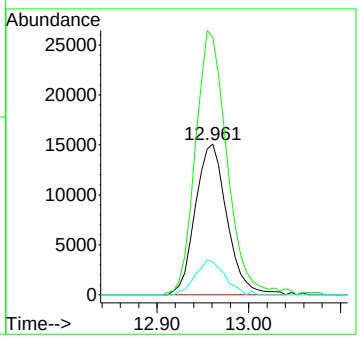


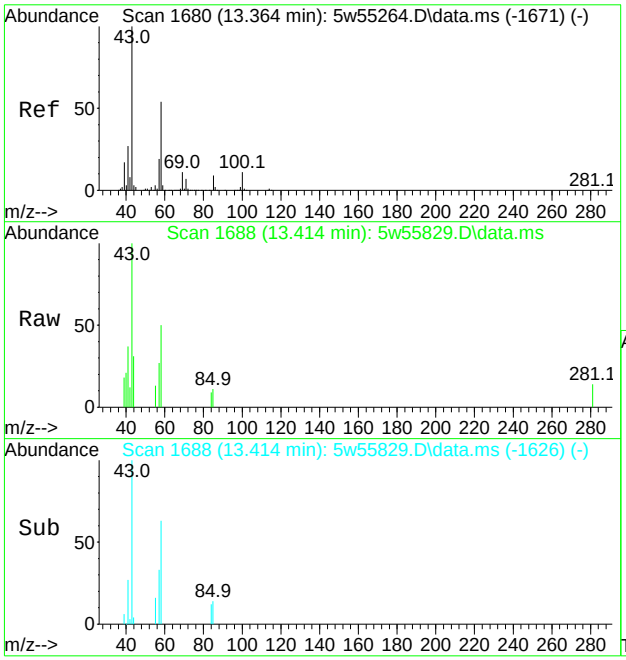



#66
TOLUENE
Concen: 0.6891 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 92 Resp: 36223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.3 | 143.4 | 203.4 |
| 65 | 21.7 | 0.0 | 53.8 |

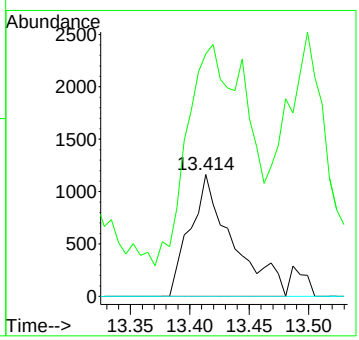


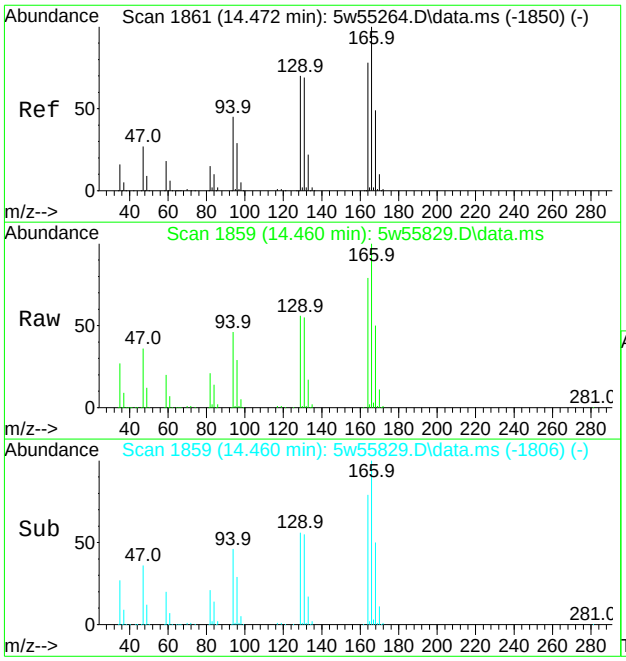




#71
2-HEXANONE
Concen: 0.1303 PPBV
RT: 13.414 min Scan# 1688
Delta R.T. 0.049 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 58 Resp: 2898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 305.6 | 159.0 | 219.0# |
| 100 | 0.0 | 0.0 | 47.8 |

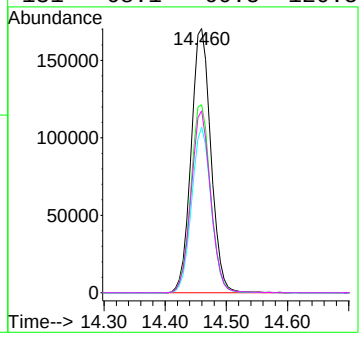


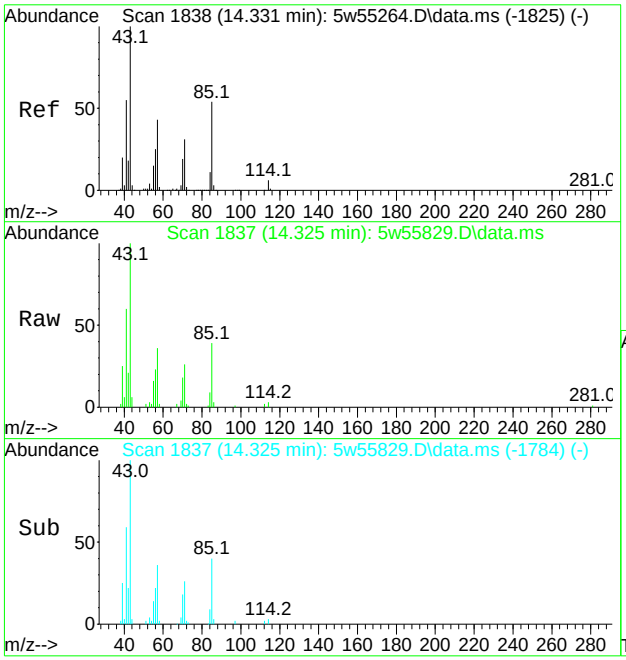



#73
TETRACHLOROETHYLENE
Concen: 12.4406 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:164 Resp: 383179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 71.6 | 64.4 | 124.4 |
| 168 | 62.1 | 31.2 | 91.2 |
| 131 | 68.1 | 60.5 | 120.5 |

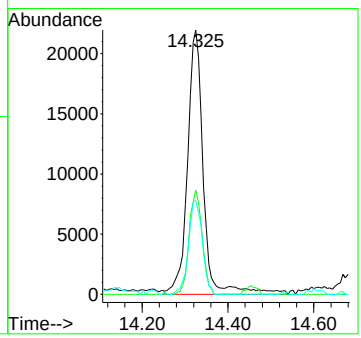


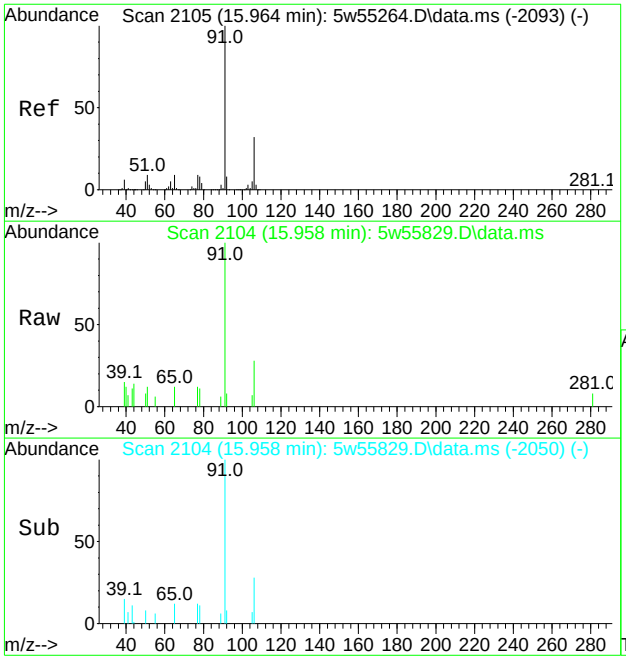




#76
OCTANE
Concen: 1.3559 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 56160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 32.3 | 13.7 | 73.7 |
| 57 | 31.2 | 9.9 | 69.9 |

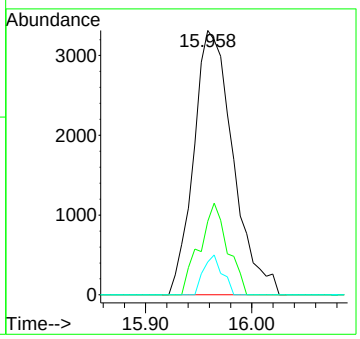


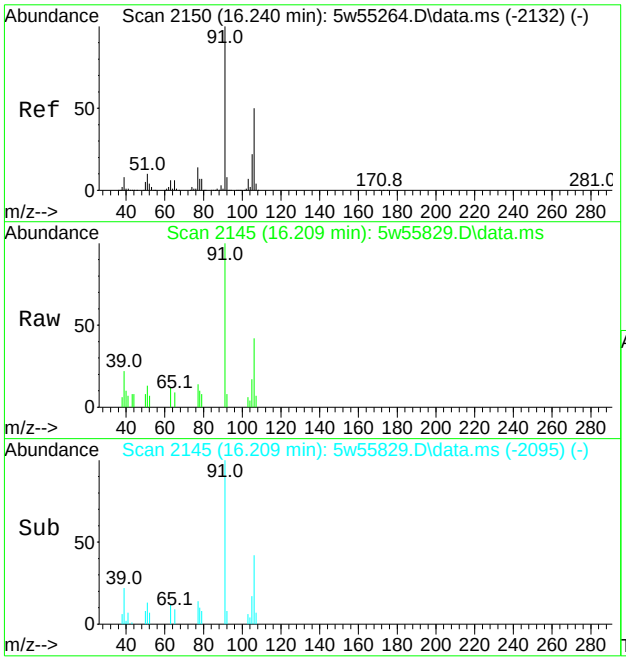



#79
ETHYLBENZENE
Concen: 0.0981 PPBV
RT: 15.958 min Scan# 2104
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 91 Resp: 8525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.7 | 0.0 | 59.9 |
| 77 | 7.2 | 0.0 | 39.1 |

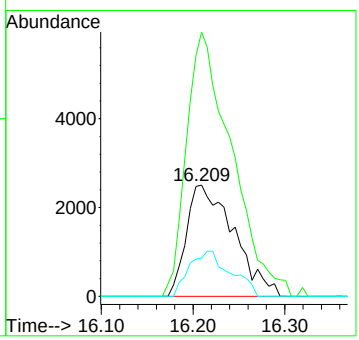


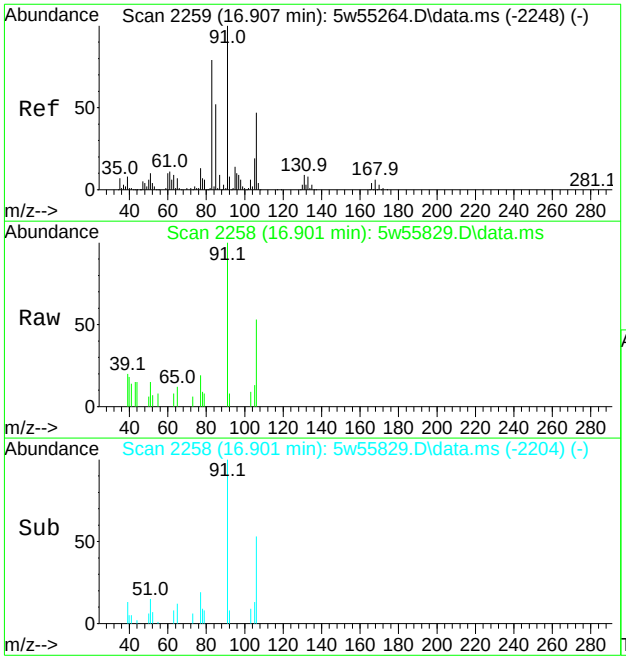




#80
m,p-XYLENE
Concen: 0.2717 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:106 Resp: 8962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 237.6 | 181.2 | 241.2 |
| 77 | 34.3 | 0.1 | 60.1 |

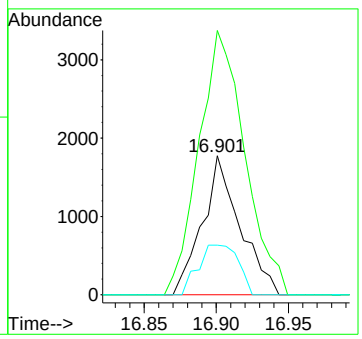


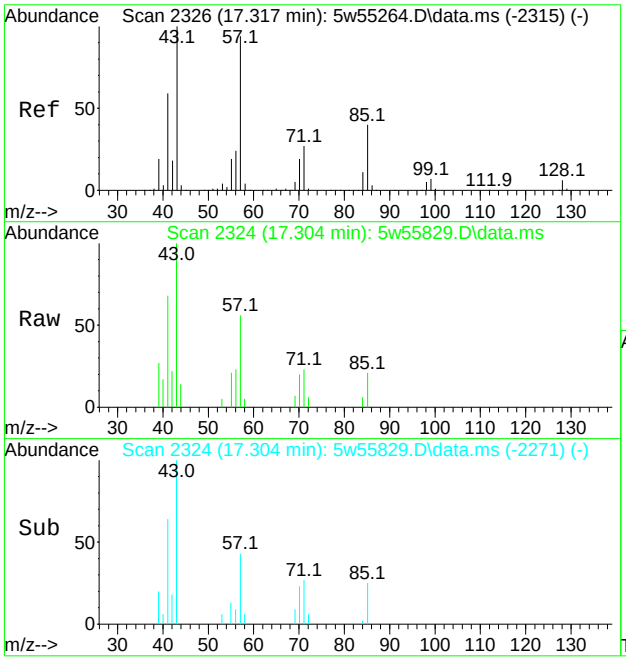



#81
o-XYLENE
Concen: 0.1007 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:106 Resp: 3223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.7 | 193.4 | 253.4 |
| 77 | 38.0 | 0.0 | 59.8 |

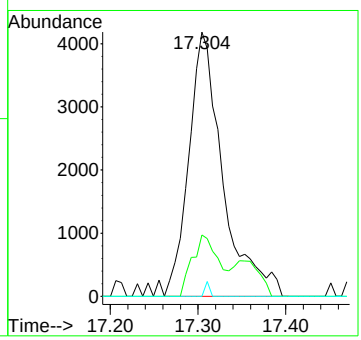


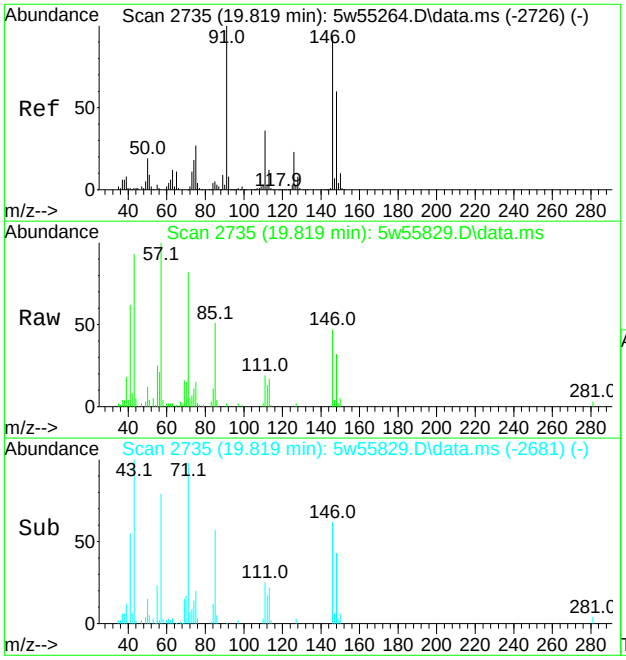




#83
NONANE
Concen: 0.2613 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion: 43 Resp: 11293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 28.5 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

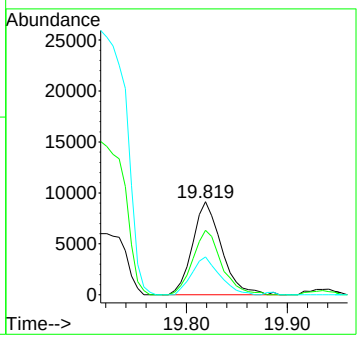


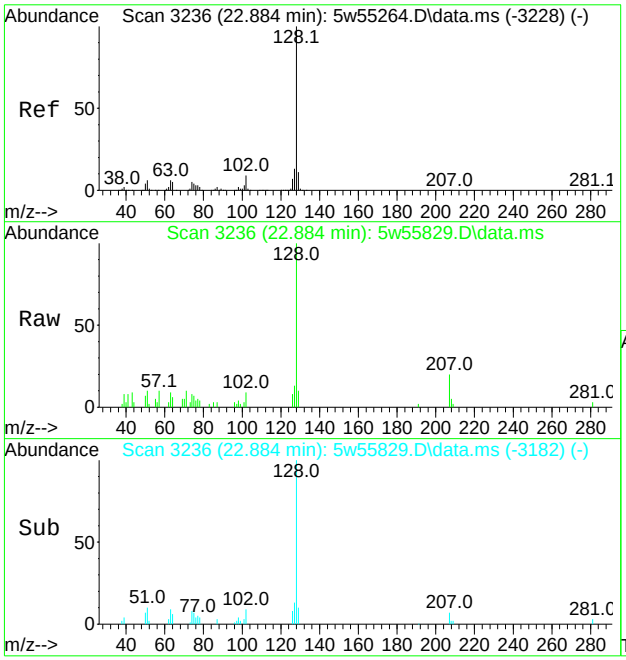



#97
m-DICHLOROBENZENE
Concen: 0.2821 PPBV
RT: 19.819 min Scan# 2735
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:146 Resp: 18214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 68.8 | 34.2 | 94.2 |
| 111 | 39.6 | 10.1 | 70.1 |

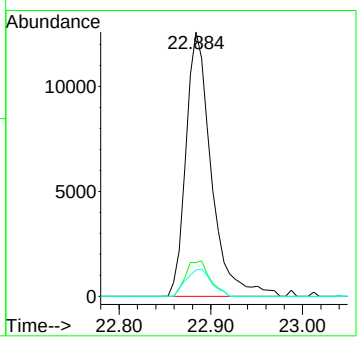



#108
NAPHTHALENE
Concen: 0.2113 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55829.D
Acq: 23 Dec 2024 6:20 pm

Tgt Ion:128 Resp: 24221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 0.0 | 43.1 |
| 129 | 10.4 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55786.D
Acq On : 20 Dec 2024 7:55 pm
Operator : thomash
Sample : je2489-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 23 07:24:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

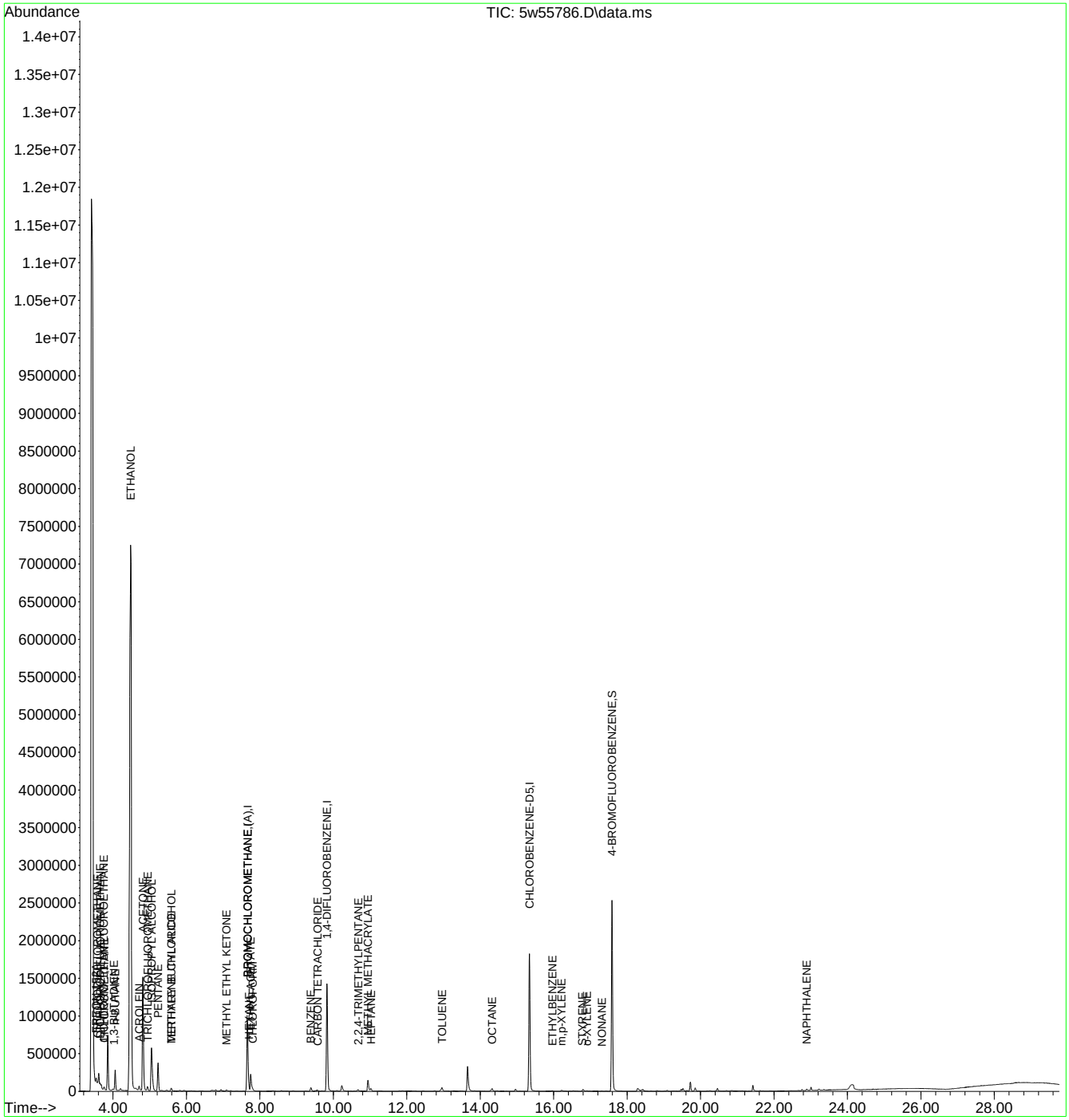
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 255725 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1259383 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 729011 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 255725 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 914683 | 11.21 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 36585 | 1.9337 | PPBV | 73 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 9404 | 0.9586 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 57933 | 0.6199 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.748 | 65 | 18717 | 0.1956 | PPBV # | 75 |
| 10) CHLOROMETHANE | 3.766 | 52 | 7840 | 0.6506 | PPBV | 89 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 4151 | 0.1458 | PPBV # | 24 |
| 13) n-BUTANE | 4.060 | 43 | 227624 | 4.1665 | PPBV | 83 |
| 18) ACROLEIN | 4.708 | 56 | 45026 | 3.2675 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 44706 | 0.5177 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.051 | 45 | 946423 | 17.2962 | PPBV | 97 |
| 23) ACETONE | 4.812 | 58 | 542576 | 26.3065 | PPBV | 89 |
| 24) PENTANE | 5.228 | 42 | 156828 | 5.7694 | PPBV | 97 |
| 28) ETHANOL | 4.482 | 45 | 13290761 | 662.7396 | PPBV | 97 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 15046 | 0.5610 | PPBV | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.589 | 59 | 7764 | 0.1508 | PPBV # | 4 |
| 38) HEXANE | 7.700 | 57 | 16591 | 0.4141 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.082 | 72 | 6542 | 0.5898 | PPBV | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 40932 | 5.0022 | PPBV # | 76 |
| 46) CHLOROFORM | 7.804 | 83 | 13686 | 0.2085 | PPBV | 95 |
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 7399 | 0.1050 | PPBV | 96 |
| 52) BENZENE | 9.388 | 78 | 50305 | 0.5511 | PPBV | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 18479 | 0.1333 | PPBV | 80 |
| 62) HEPTANE | 11.028 | 43 | 15634 | 0.3229 | PPBV | 95 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 73278 | 2.4147 | PPBV | 95 |
| 66) TOLUENE | 12.961 | 92 | 22605 | 0.3540 | PPBV | 96 |
| 76) OCTANE | 14.325 | 43 | 37853 | 0.5912 | PPBV | 60 |
| 79) ETHYLBENZENE | 15.965 | 91 | 7931 | 0.0590 | PPBV | 92 |
| 80) m,p-XYLENE | 16.209 | 106 | 5615 | 0.1101 | PPBV | 97 |
| 81) o-XYLENE | 16.907 | 106 | 2326 | 0.0470 | PPBV # | 75 |
| 82) STYRENE | 16.778 | 104 | 1650 | 0.0232 | PPBV # | 55 |
| 83) NONANE | 17.311 | 43 | 3346 | 0.0501 | PPBV # | 66 |
| 108) NAPHTHALENE | 22.890 | 128 | 17851 | 0.1007 | PPBV | 97 |

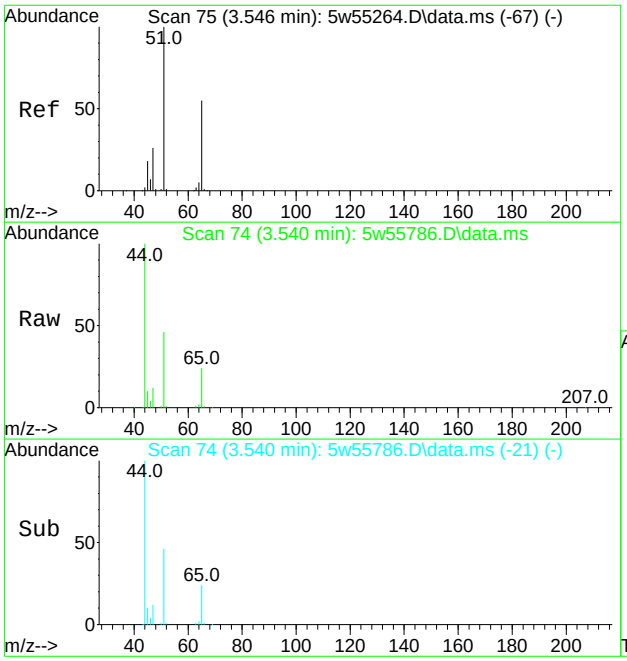
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55786.D
Acq On : 20 Dec 2024 7:55 pm
Operator : thomash
Sample : je2489-2 Inst : GCMS5W
Misc : MS88104,V5W2136,725,,,,1.45
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 23 07:24:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

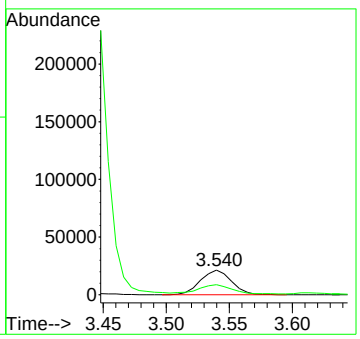


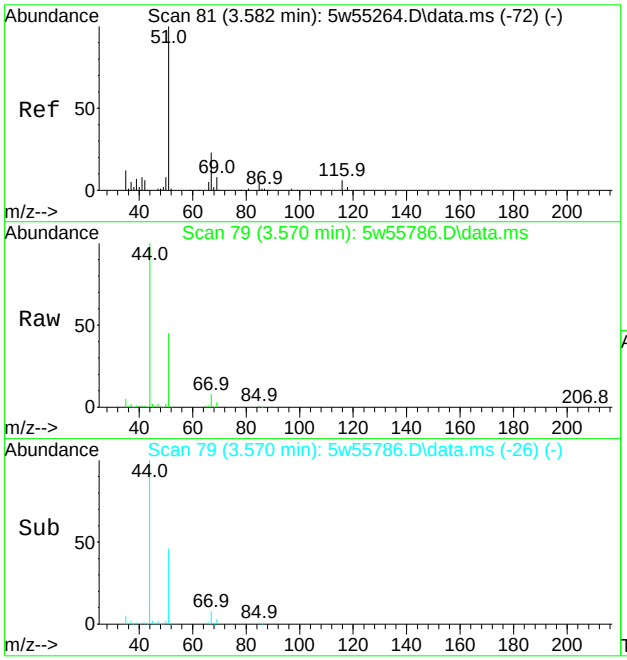



#3
FREON 152A
Concen: 1.9337 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 65 Resp: 36585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 46.9 | 1.8 | 61.8 |

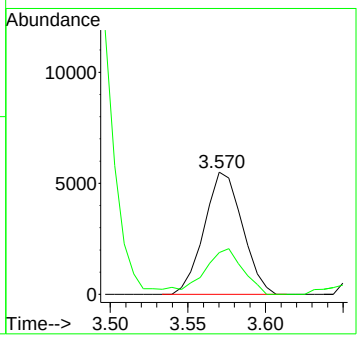


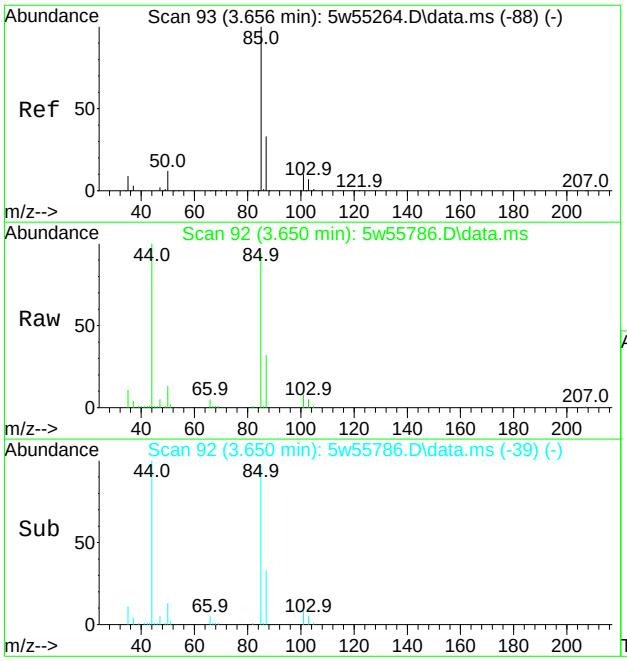




#4
CHLORODIFLUOROMETHANE
Concen: 0.9586 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 67 Resp: 9404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 34.2 | 2.9 | 62.9 |

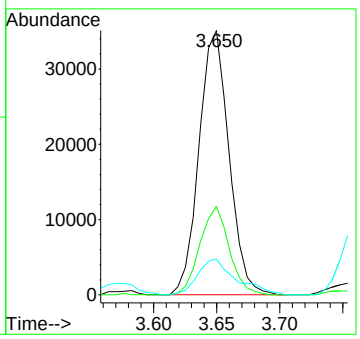


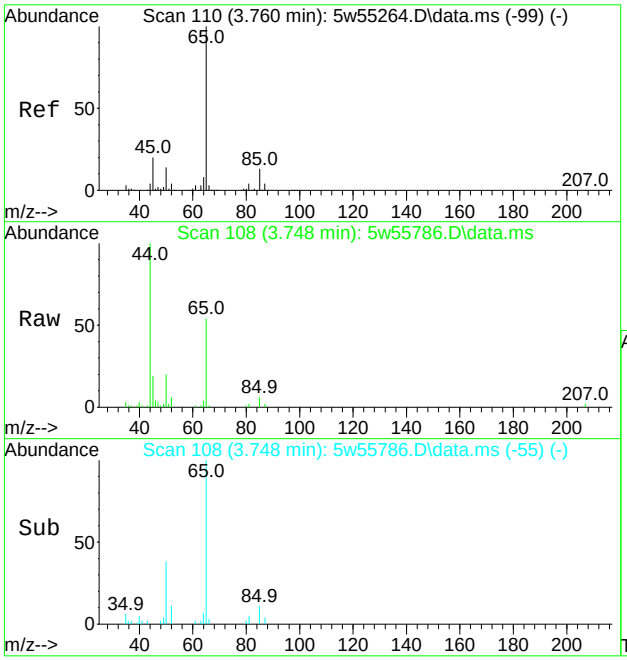



#6
DICHLORODIFLUOROMETHANE
Concen: 0.6199 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 85 Resp: 57933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 2.6 | 62.6 |
| 50 | 17.2 | 0.0 | 43.0 |

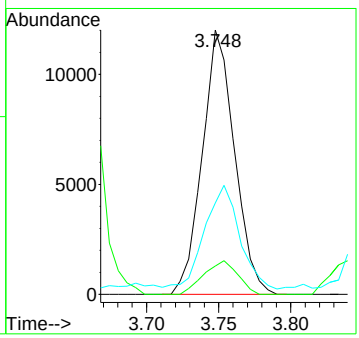


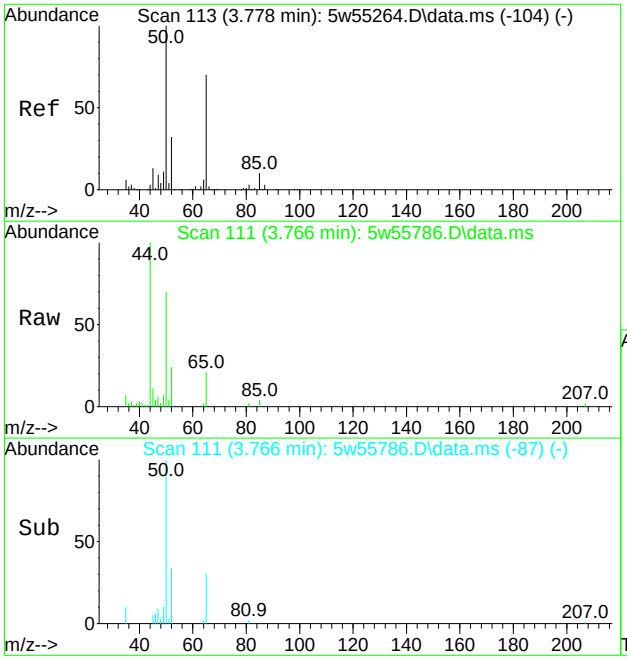




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.1956 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 65 Resp: 18717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.4 | 10.1 | 18.7 |
| 45 | 41.9 | 15.9 | 29.5# |

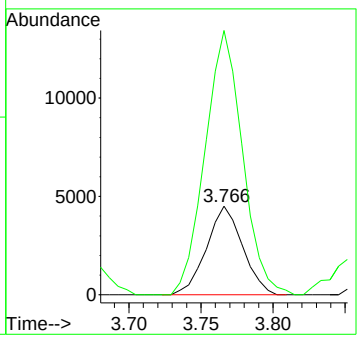


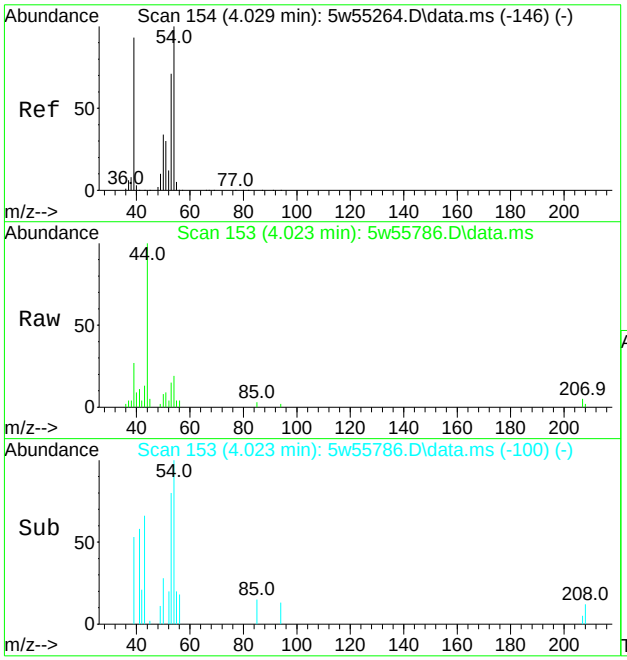



#10
CHLOROMETHANE
Concen: 0.6506 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 52 Resp: 7840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 295.5 | 287.9 | 347.9 |

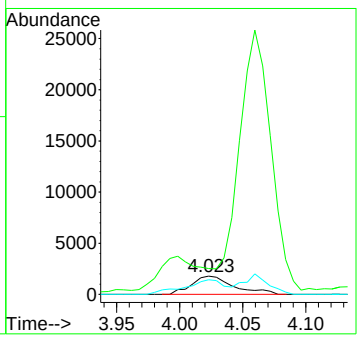


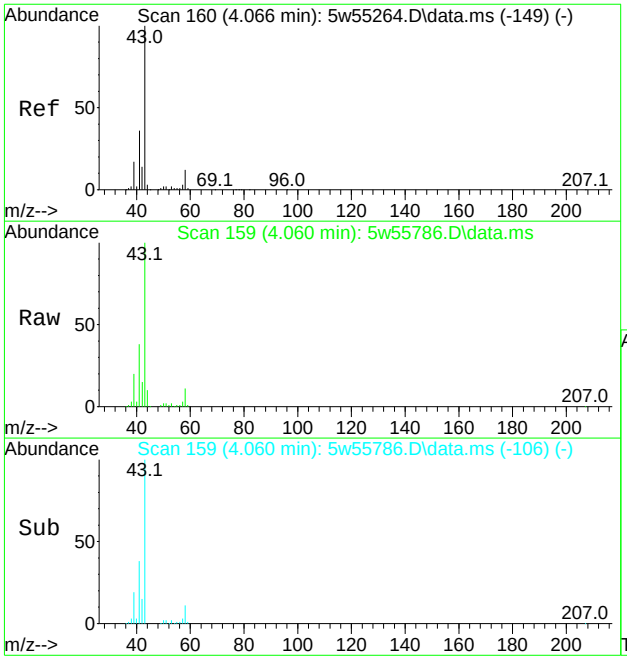




#12
1,3-BUTADIENE
Concen: 0.1458 PPBV
RT: 4.023 min Scan# 153
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 54 Resp: 4151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 0.0 | 103.6 | 163.6# |
| 53 | 77.1 | 41.1 | 101.1 |

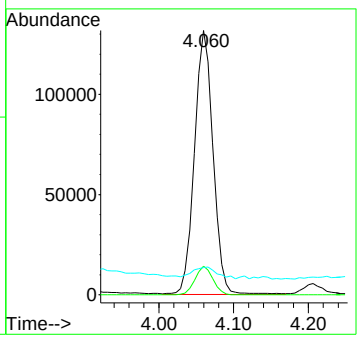


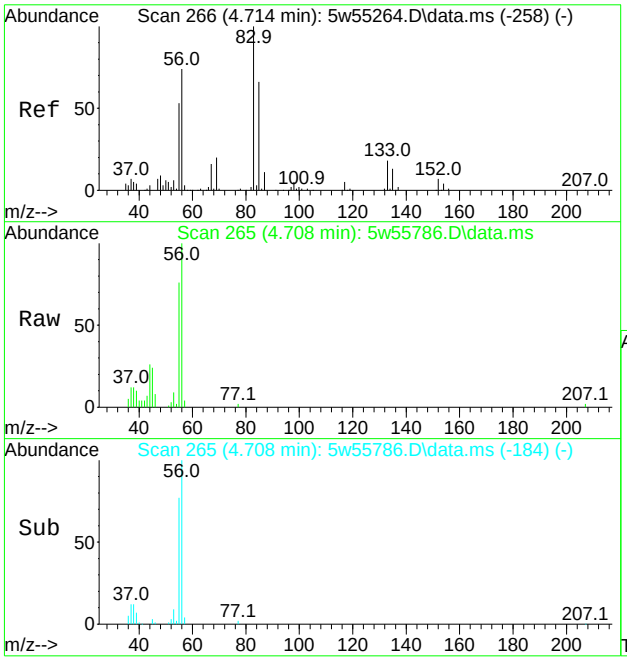



#13
n-BUTANE
Concen: 4.1665 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 227624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.3 | 0.0 | 41.6 |
| 44 | 21.5 | 0.0 | 34.7 |

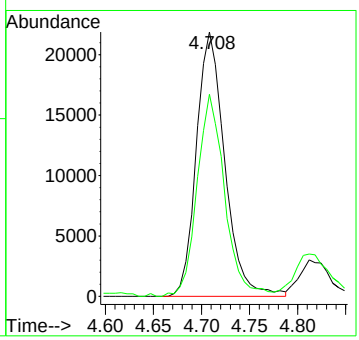


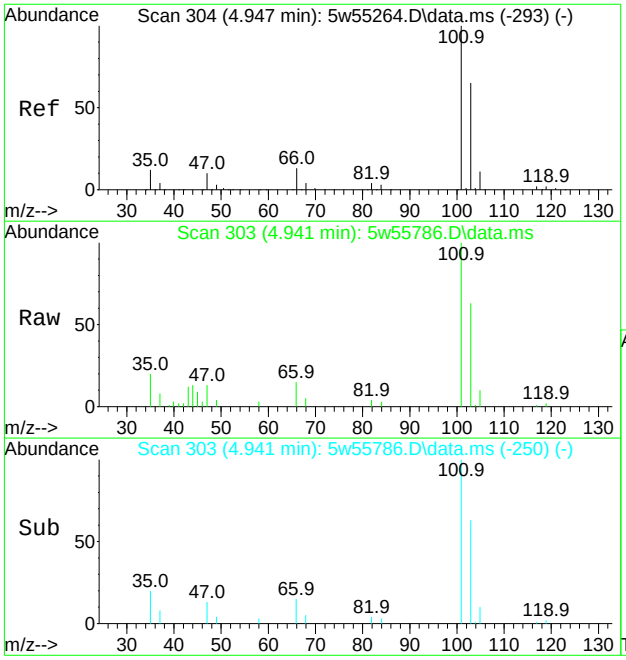




#18
ACROLEIN
Concen: 3.2675 PPBV
RT: 4.708 min Scan# 265
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 56 Resp: 45026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.1 | 49.8 | 92.6 |

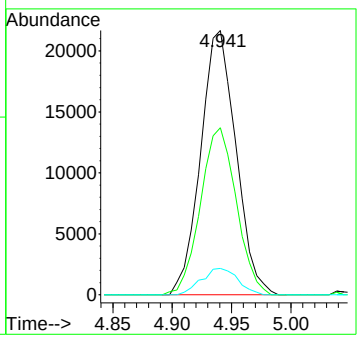


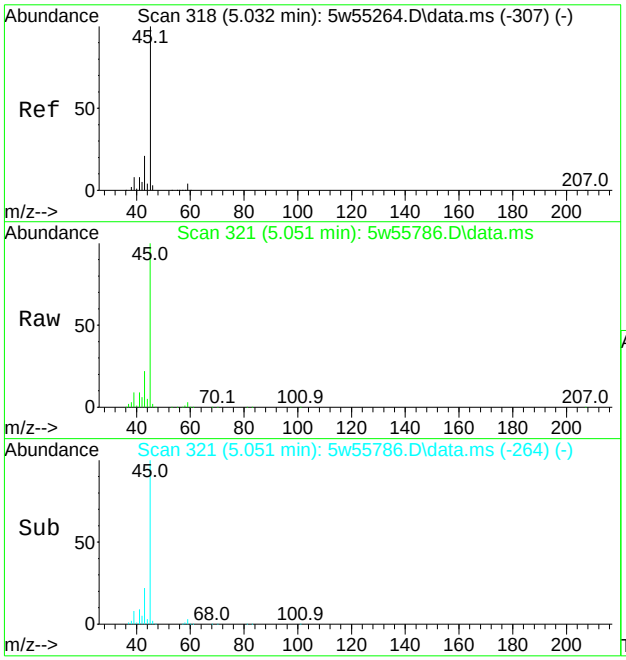



#21
TRICHLOROFLUOROMETHANE
Concen: 0.5177 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:101 Resp: 44706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.2 | 34.7 | 94.7 |
| 105 | 10.3 | 0.0 | 40.5 |

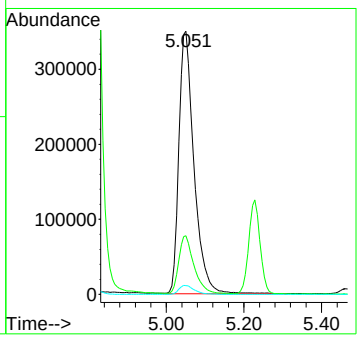


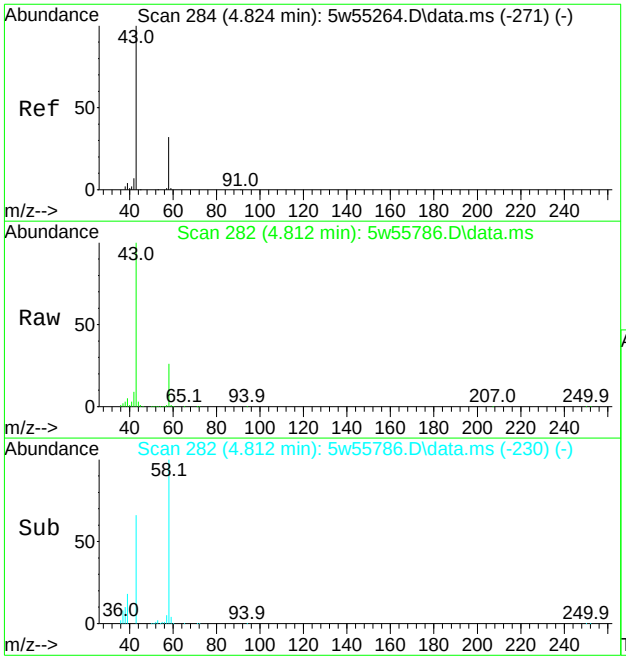




#22
ISOPROPYL ALCOHOL
Concen: 17.2962 PPBV
RT: 5.051 min Scan# 321
Delta R.T. 0.018 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 45 Resp: 946423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.3 | 0.0 | 50.8 |
| 59 | 3.3 | 0.0 | 33.8 |

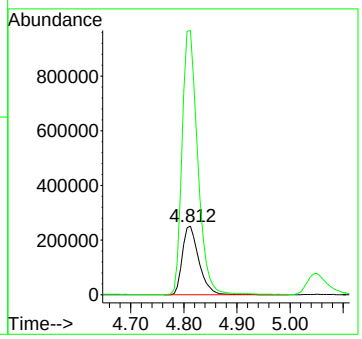


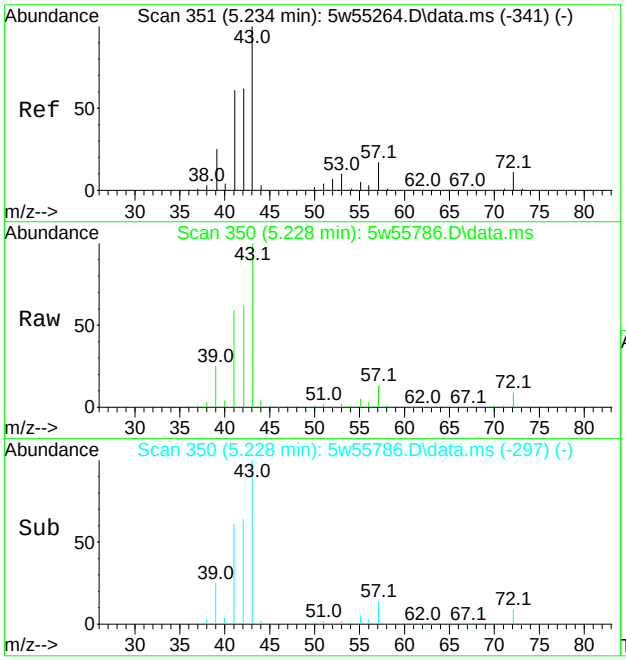



#23
ACETONE
Concen: 26.3065 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 58 Resp: 542576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 364.8 | 312.3 | 372.3 |

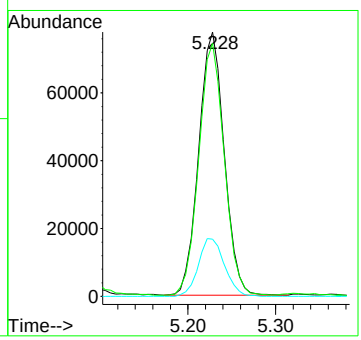


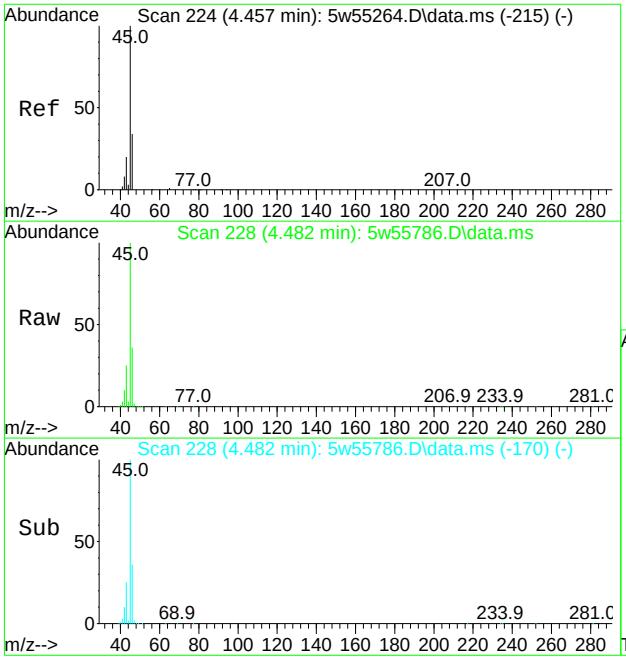




#24
PENTANE
Concen: 5.7694 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 42 Resp: 156828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.8 | 64.4 | 124.4 |
| 57 | 22.6 | 0.0 | 55.0 |

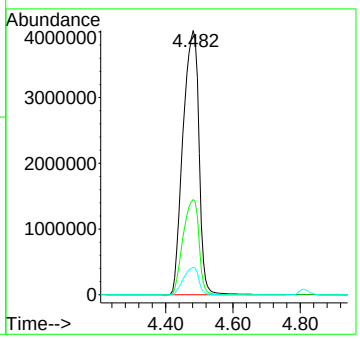


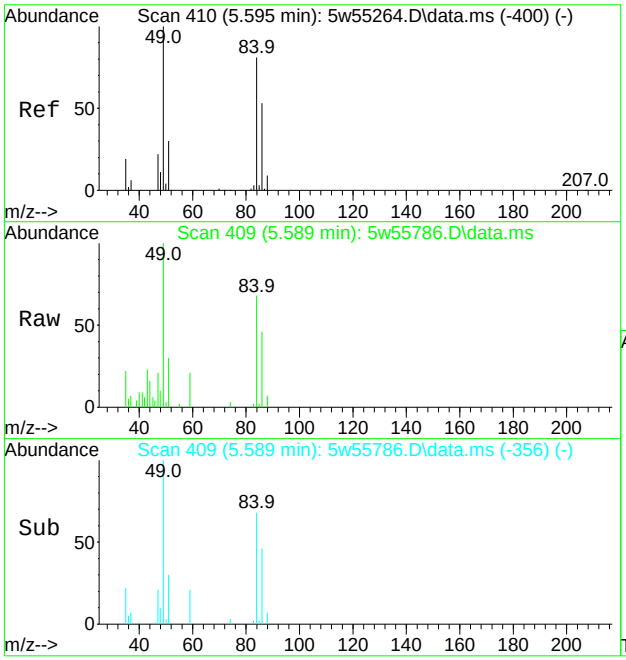



#28
ETHANOL
Concen: 662.7396 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 45 Resp:13290761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 35.9 | 4.5 | 64.5 |
| 42 | 9.9 | 0.0 | 38.6 |

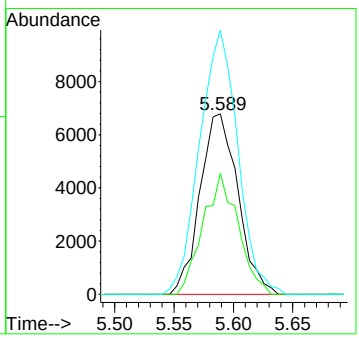


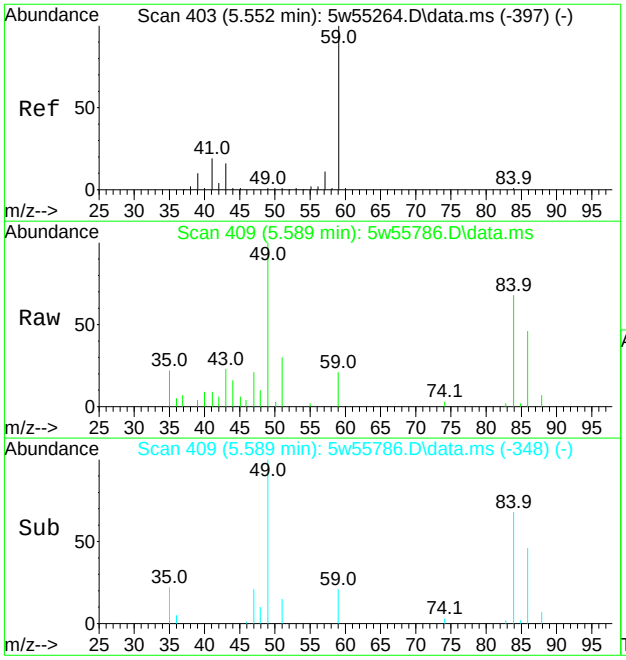




#31
METHYLENE CHLORIDE
Concen: 0.5610 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 84 Resp: 15046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.1 | 34.0 | 94.0 |
| 49 | 147.9 | 105.8 | 165.8 |

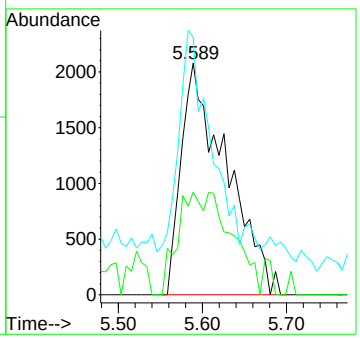


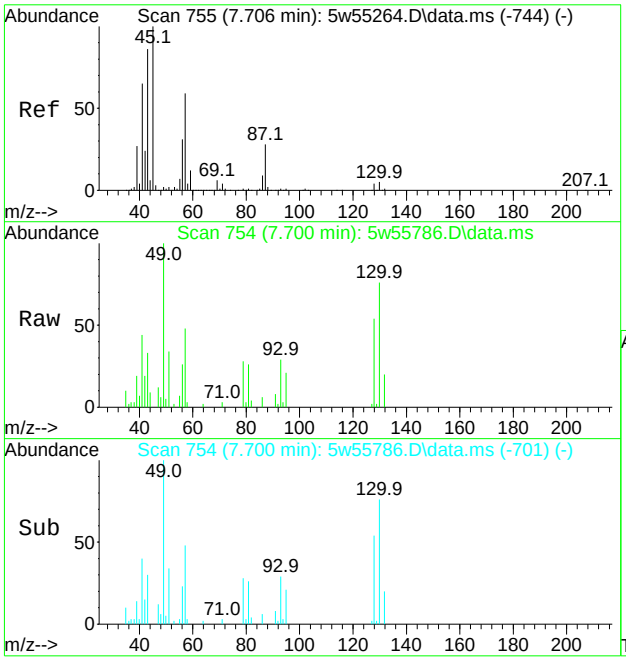



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1508 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 59 Resp: 7764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 52.1 | 0.0 | 53.1 |
| 43 | 80.1 | 0.0 | 47.1# |

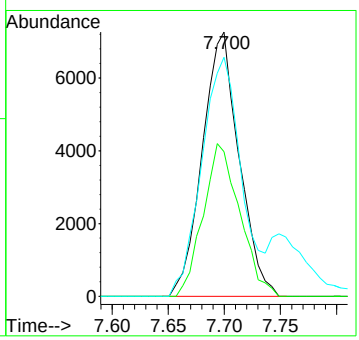


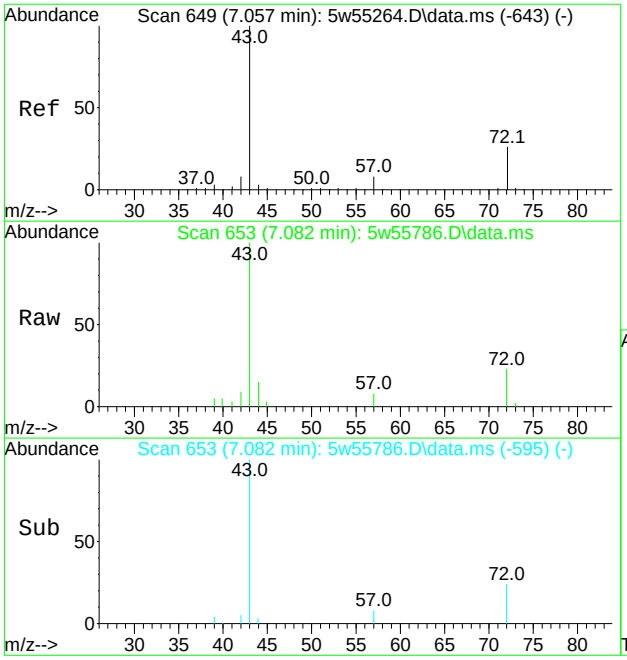




#38
HEXANE
Concen: 0.4141 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 57 Resp: 16591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 57.6 | 24.2 | 84.2 |
| 41 | 97.9 | 92.1 | 152.1 |

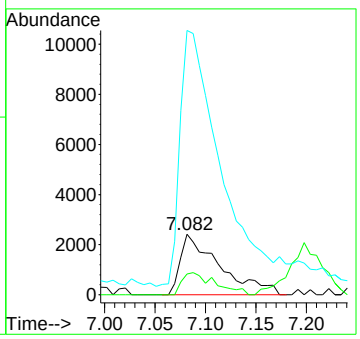


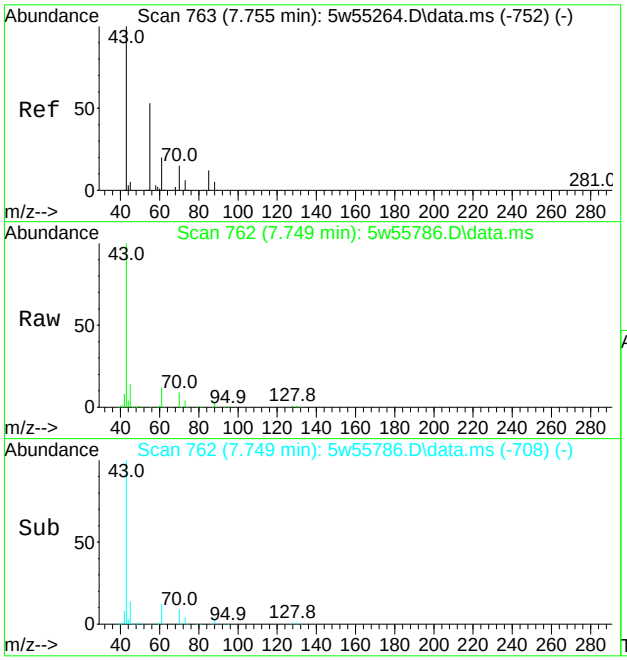



#41
METHYL ETHYL KETONE
Concen: 0.5898 PPBV
RT: 7.082 min Scan# 653
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 72 Resp: 6542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 34.5 | 1.1 | 61.1 |
| 43 | 436.3 | 390.6 | 450.6 |

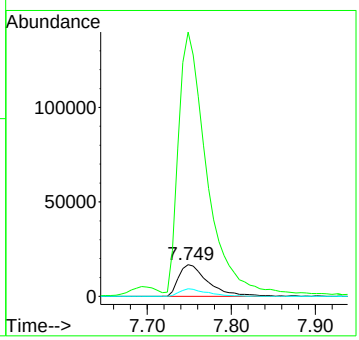


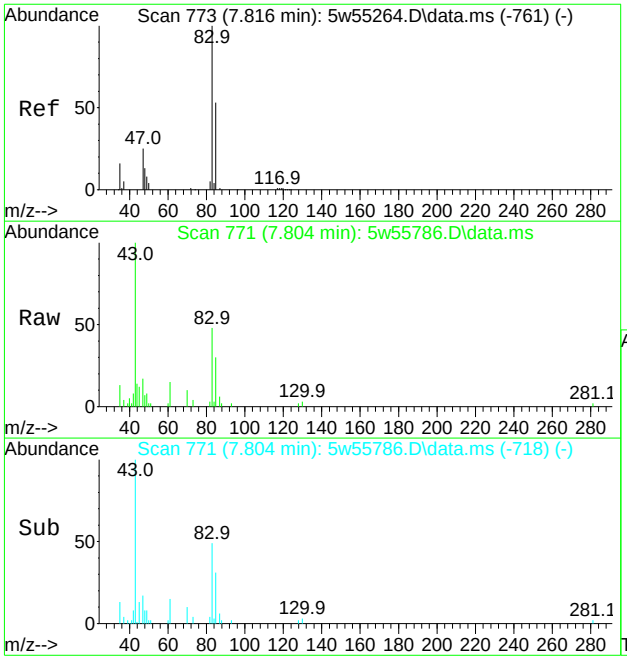




#44
ETHYL ACETATE
Concen: 5.0022 PPBV
RT: 7.749 min Scan# 762
Delta R.T. 0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 61 Resp: 40932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 826.2 | 0.0 | 30.0# |
| 88 | 22.7 | 7.3 | 67.3 |

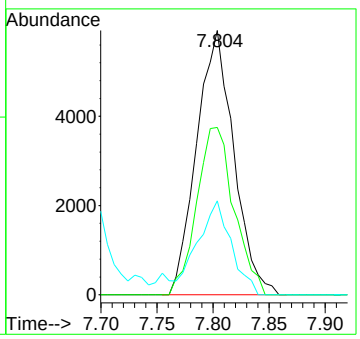


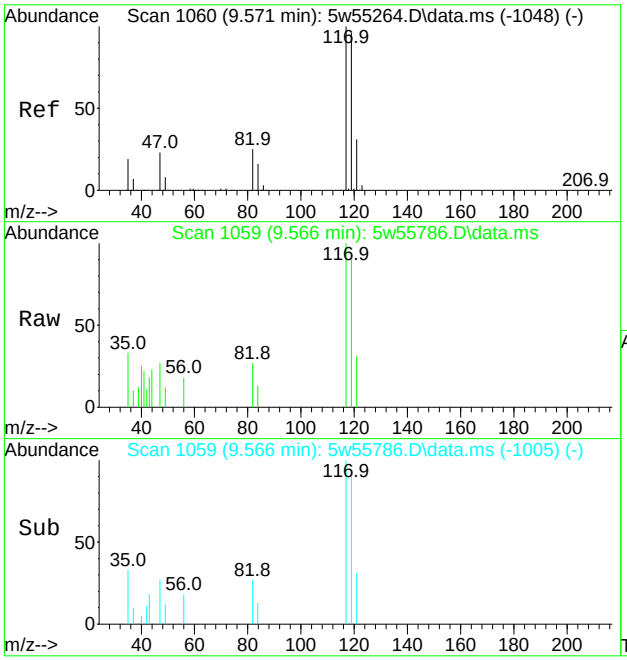



#46
CHLOROFORM
Concen: 0.2085 PPBV
RT: 7.804 min Scan# 771
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 83 Resp: 13686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 35.5 | 95.5 |
| 47 | 32.0 | 0.0 | 56.8 |

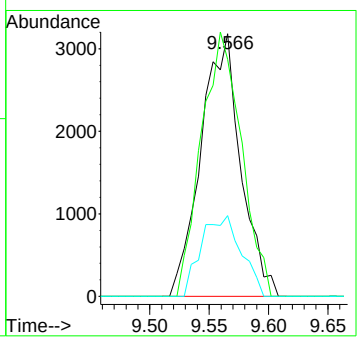


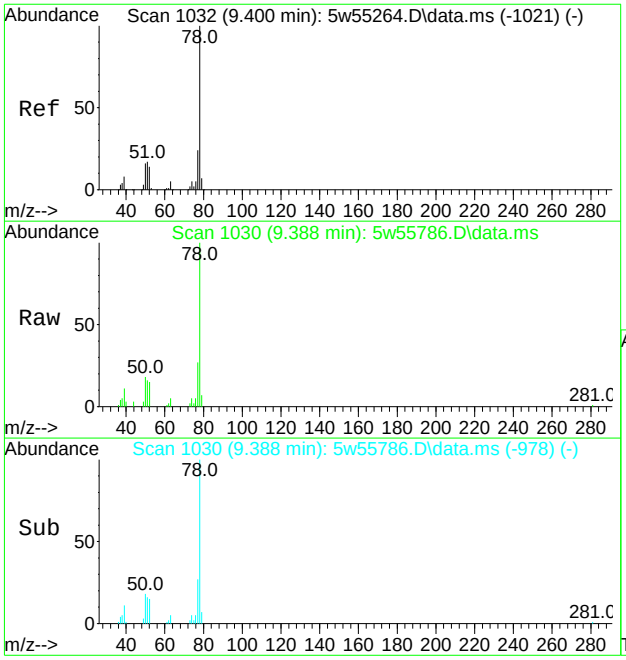




#49
CARBON TETRACHLORIDE
Concen: 0.1050 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:117 Resp: 7399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 101.4 | 65.9 | 125.9 |
| 121 | 30.9 | 0.7 | 60.7 |

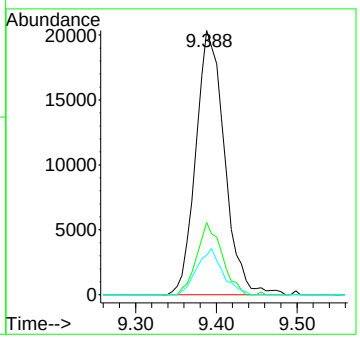


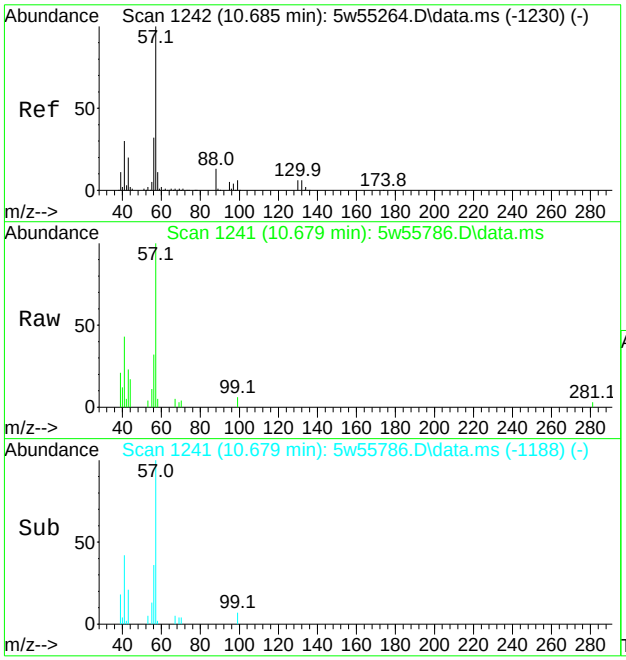



#52
BENZENE
Concen: 0.5511 PPBV
RT: 9.388 min Scan# 1030
Delta R.T. -0.012 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 78 Resp: 50305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 0.0 | 54.0 |
| 52 | 15.6 | 0.0 | 45.6 |

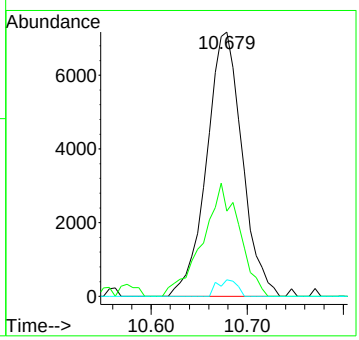


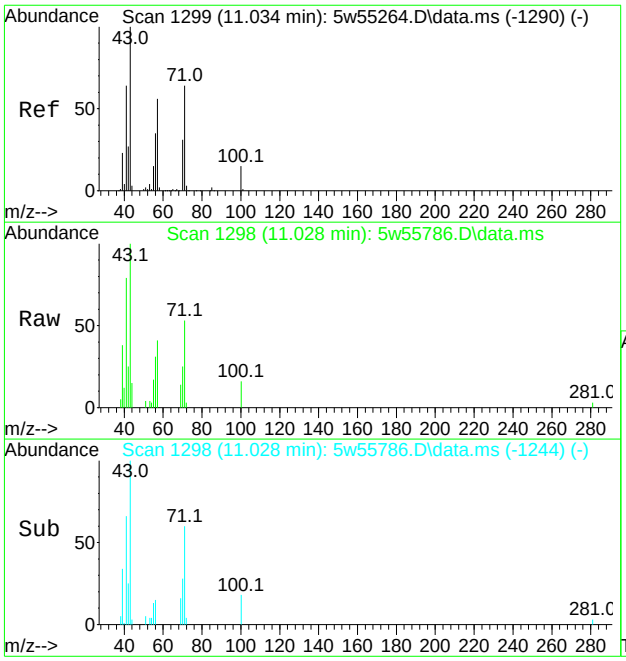




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1333 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 57 Resp: 18479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 44.3 | 2.2 | 62.2 |
| 99 | 3.6 | 0.0 | 37.6 |

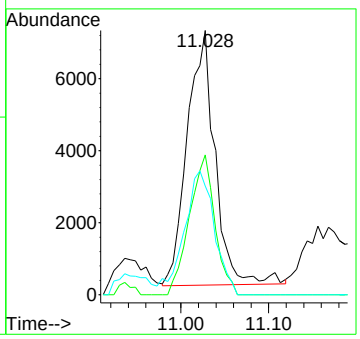


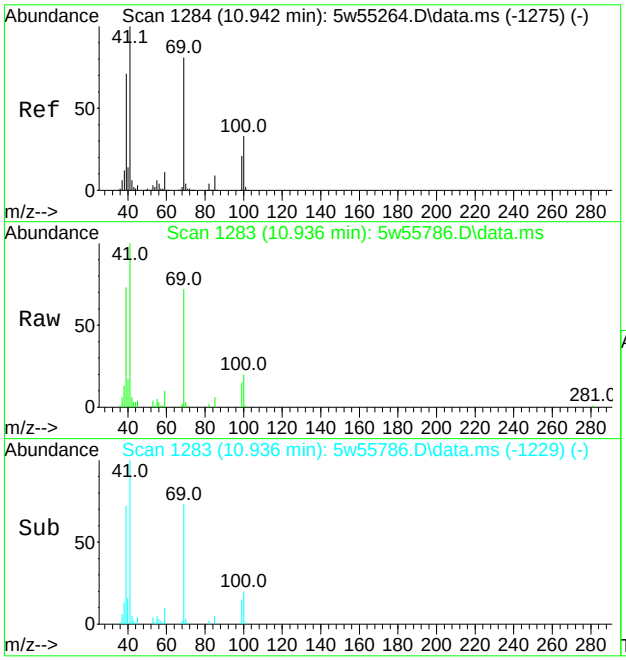



#62
HEPTANE
Concen: 0.3229 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 15634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 50.4 | 27.2 | 87.2 |
| 57 | 52.6 | 22.5 | 82.5 |

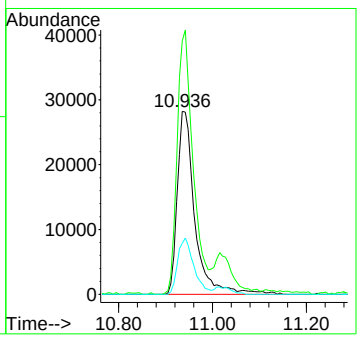


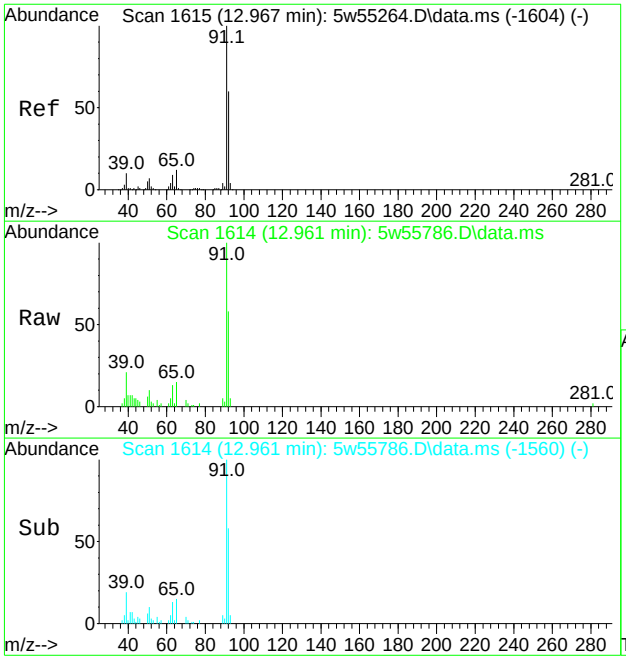




#63
METHYL METHACRYLATE
Concen: 2.4147 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 69 Resp: 73278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 132.3 | 97.3 | 157.3 |
| 100 | 28.4 | 3.0 | 63.0 |

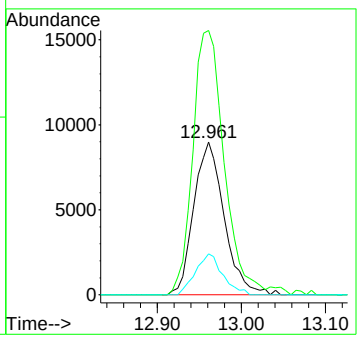


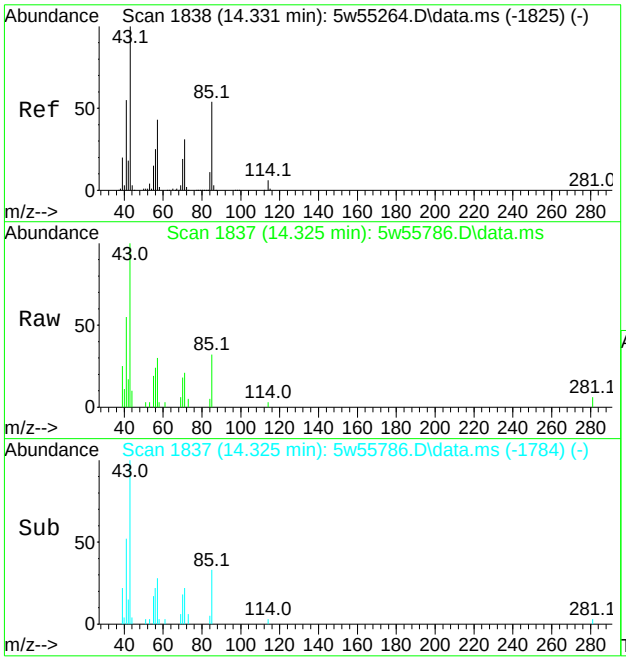



#66
TOLUENE
Concen: 0.3540 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 92 Resp: 22605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 179.8 | 143.4 | 203.4 |
| 65 | 23.9 | 0.0 | 53.8 |

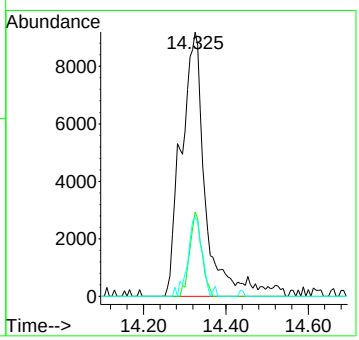


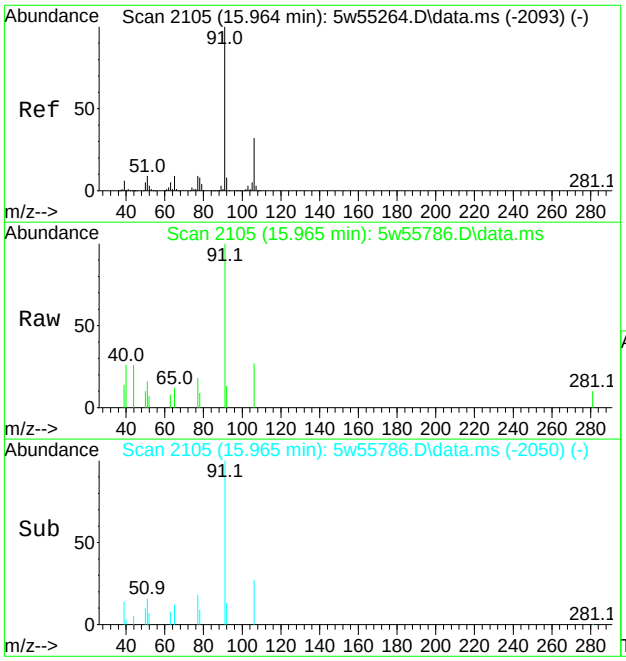




#76
OCTANE
Concen: 0.5912 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 37853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 15.7 | 13.7 | 73.7 |
| 57 | 17.1 | 9.9 | 69.9 |

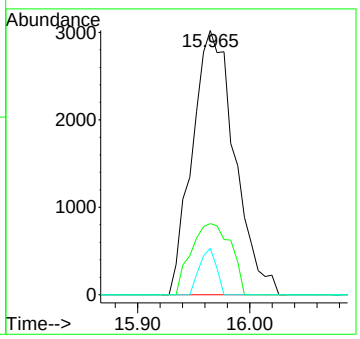


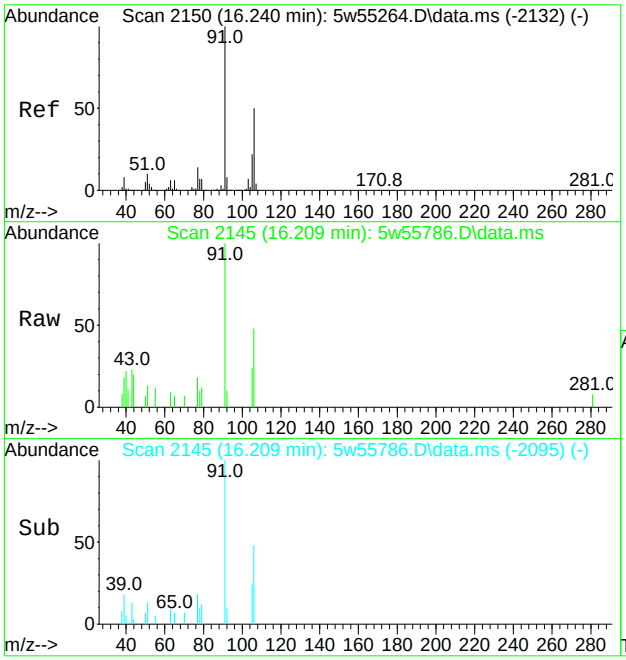



#79
ETHYLBENZENE
Concen: 0.0590 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 91 Resp: 7931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.2 | 0.0 | 59.9 |
| 77 | 7.0 | 0.0 | 39.1 |

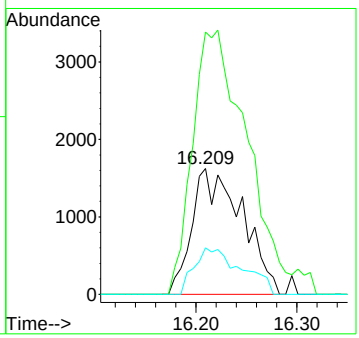


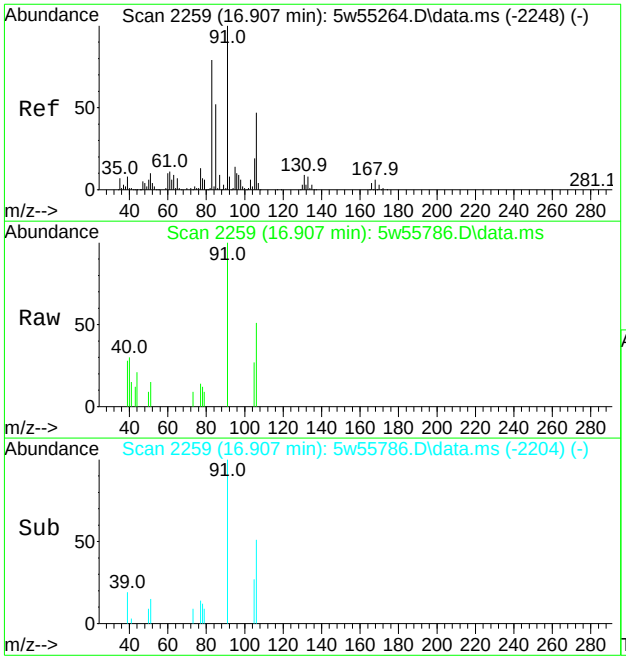




#80
m,p-XYLENE
Concen: 0.1101 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:106 Resp: 5615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 181.2 | 241.2 |
| 77 | 37.0 | 0.1 | 60.1 |

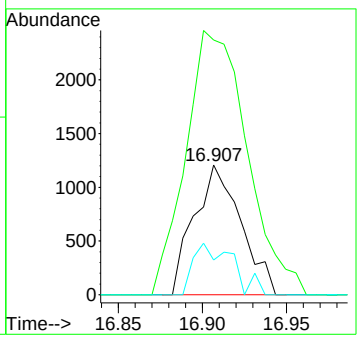


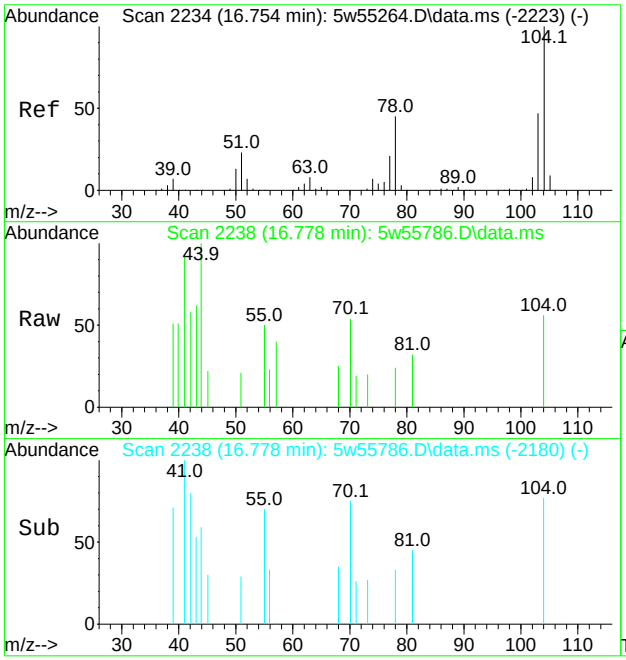



#81
o-XYLENE
Concen: 0.0470 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:106 Resp: 2326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 268.5 | 193.4 | 253.4# |
| 77 | 33.6 | 0.0 | 59.8 |

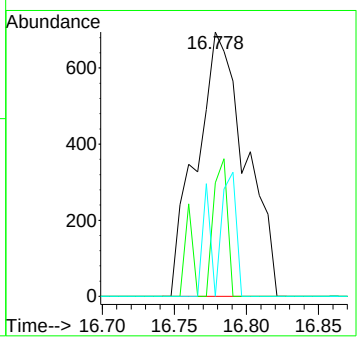


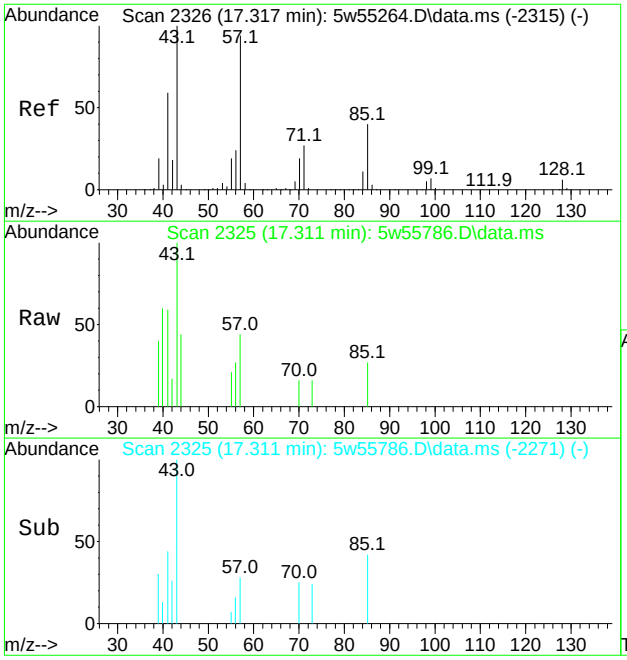




#82
STYRENE
Concen: 0.0232 PPBV
RT: 16.778 min Scan# 2238
Delta R.T. 0.024 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:104 Resp: 1650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 14.7 | 16.5 | 76.5# |
| 103 | 20.1 | 18.1 | 78.1 |

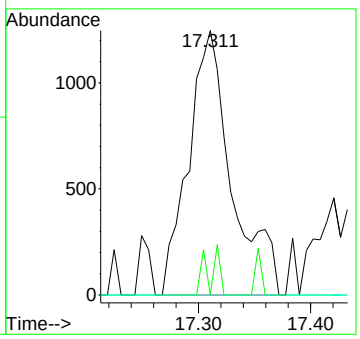


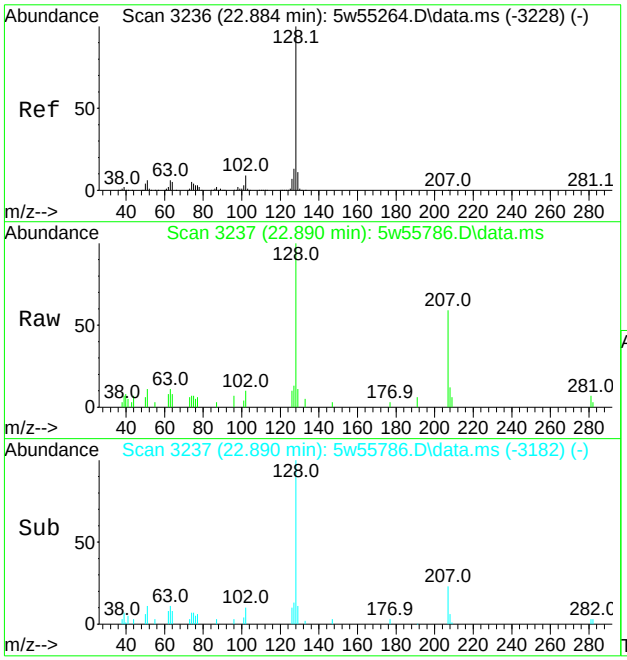



#83
NONANE
Concen: 0.0501 PPBV
RT: 17.311 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion: 43 Resp: 3346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 5.0 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

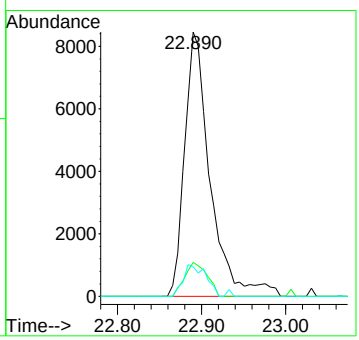



#108
NAPHTHALENE
Concen: 0.1007 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55786.D
Acq: 20 Dec 2024 7:55 pm

Tgt Ion:128 Resp: 17851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.3 | 0.0 | 43.1 |
| 129 | 10.6 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55788.D
Acq On : 20 Dec 2024 9:22 pm
Operator : thomash
Sample : je2489-3 Inst : GCMS5W
Misc : MS88104,V5W2136,400,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 23 07:30:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

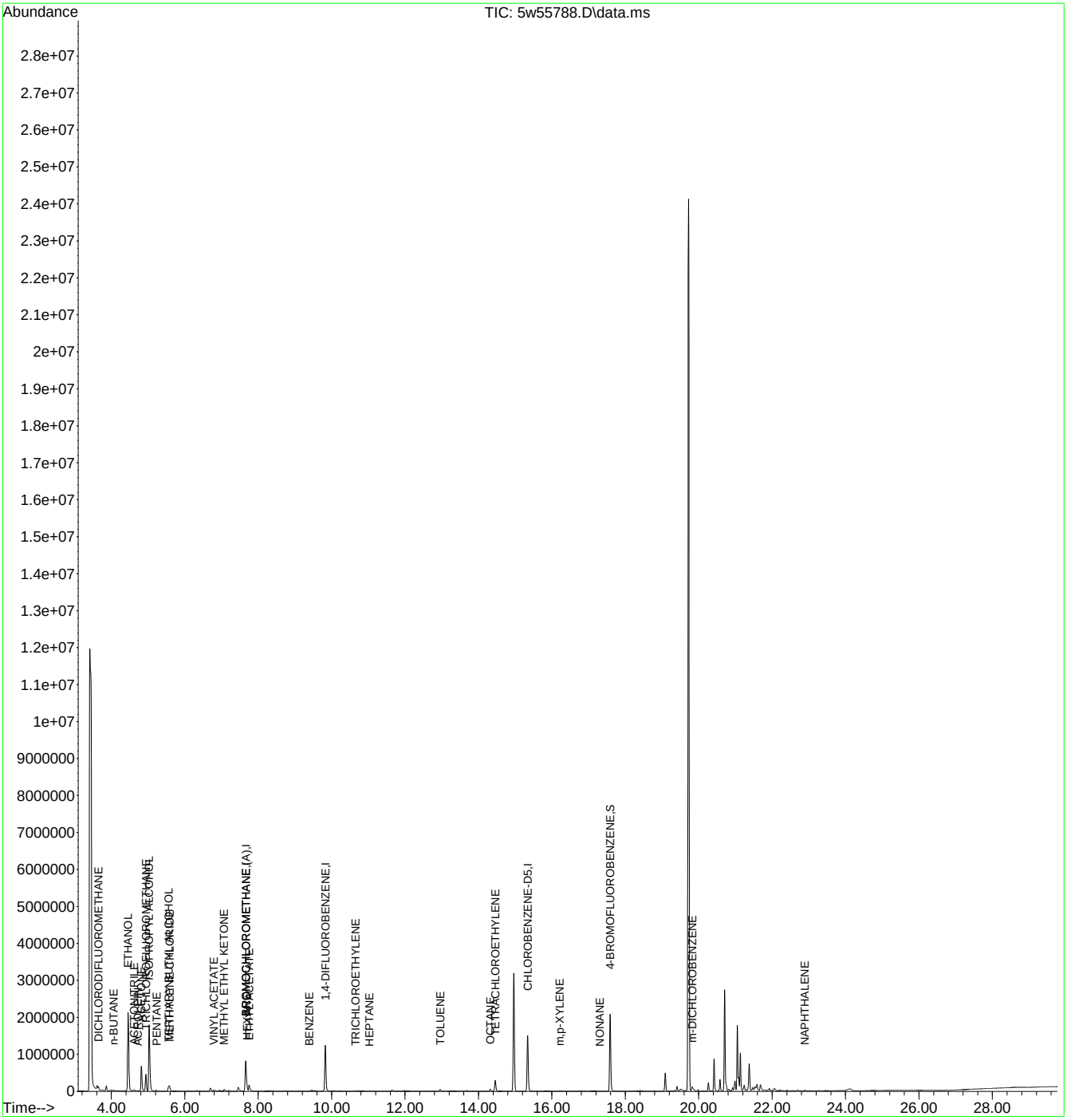
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 223902 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1101737 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 600369 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 223902 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 757613 | 11.28 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.80% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 69014 | 0.8435 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 22663 | 0.4738 | PPBV # | 92 |
| 17) ACETONITRILE | 4.616 | 41 | 31653 | 1.1456 | PPBV | 98 |
| 18) ACROLEIN | 4.720 | 56 | 5225 | 0.4331 | PPBV # | 73 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 369288 | 4.8838 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2593785 | 54.1394 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 237206 | 13.1354 | PPBV | 90 |
| 24) PENTANE | 5.234 | 42 | 12388 | 0.5205 | PPBV | 95 |
| 28) ETHANOL | 4.457 | 45 | 2740313 | 156.0661 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 31190 | 1.3281 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 188480 | 4.1822 | PPBV | 88 |
| 38) HEXANE | 7.694 | 57 | 35223 | 1.0040 | PPBV | 96 |
| 39) VINYL ACETATE | 6.794 | 86 | 2069 | 0.5160 | PPBV # | 1 |
| 41) METHYL ETHYL KETONE | 7.069 | 72 | 18583 | 1.9134 | PPBV | 89 |
| 44) ETHYL ACETATE | 7.755 | 61 | 31546 | 4.4031 | PPBV # | 76 |
| 52) BENZENE | 9.394 | 78 | 15996 | 0.2003 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.654 | 95 | 2315 | 0.0550 | PPBV | 90 |
| 62) HEPTANE | 11.028 | 43 | 7324 | 0.1729 | PPBV | 80 |
| 66) TOLUENE | 12.961 | 92 | 25332 | 0.4535 | PPBV | 97 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 81632 | 2.0817 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 34275 | 0.6500 | PPBV | 83 |
| 80) m,p-XYLENE | 16.209 | 106 | 7183 | 0.1710 | PPBV | 90 |
| 83) NONANE | 17.304 | 43 | 6385 | 0.1160 | PPBV # | 90 |
| 97) m-DICHLOROBENZENE | 19.825 | 146 | 14483 | 0.1762 | PPBV | 97 |
| 108) NAPHTHALENE | 22.890 | 128 | 22760 | 0.1559 | PPBV | 98 |

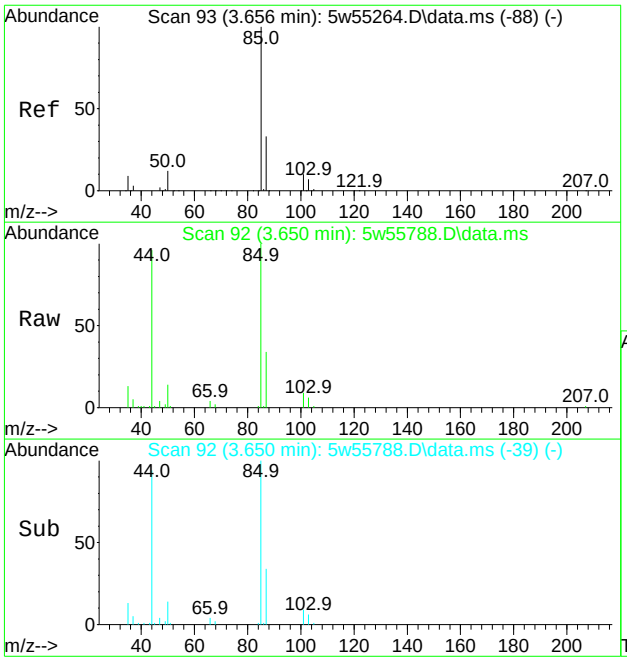
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55788.D
Acq On : 20 Dec 2024 9:22 pm
Operator : thomash
Sample : je2489-3 Inst : GCMS5W
Misc : MS88104,V5W2136,400,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 23 07:30:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

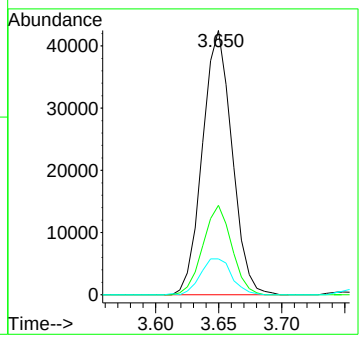


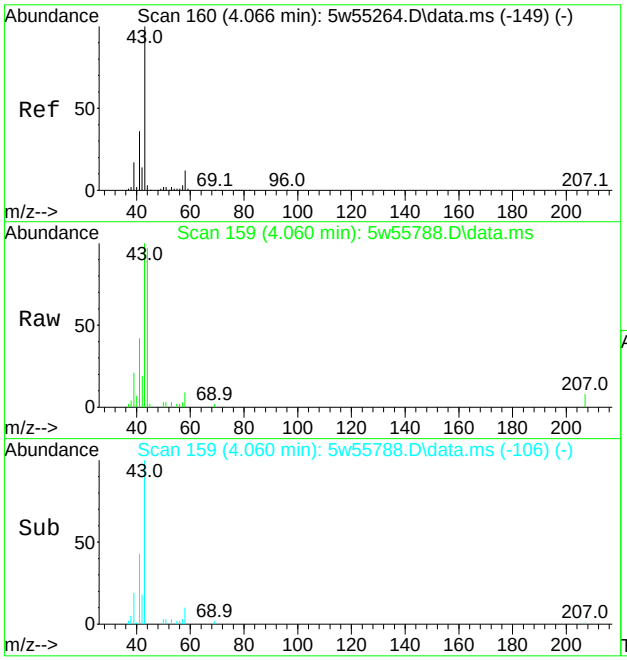



#6
DICHLORODIFLUOROMETHANE
Concen: 0.8435 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 85 Resp: 69014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.0 | 2.6 | 62.6 |
| 50 | 14.6 | 0.0 | 43.0 |

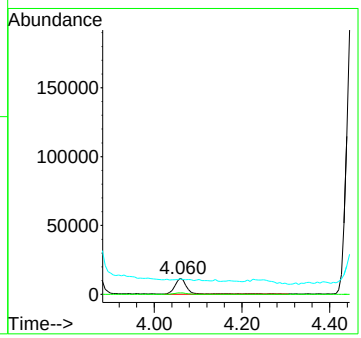


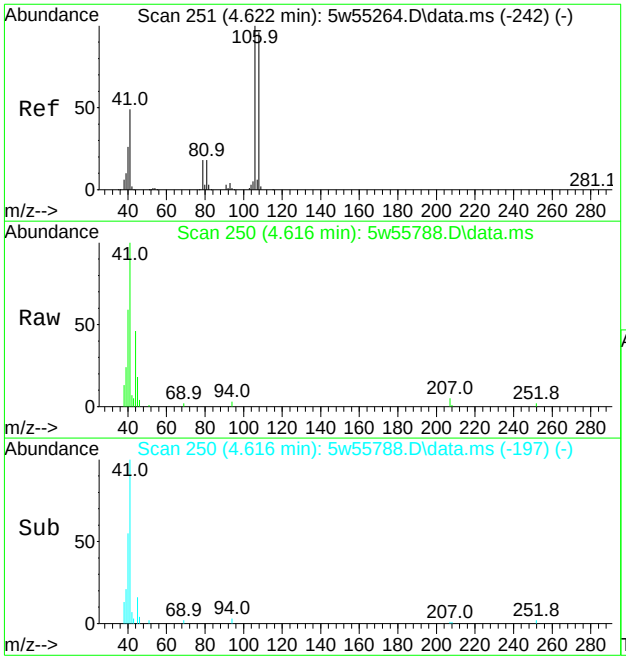




#13
n-BUTANE
Concen: 0.4738 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 22663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 9.2 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

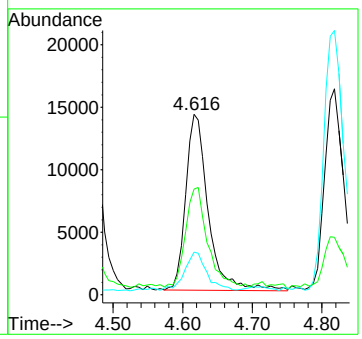


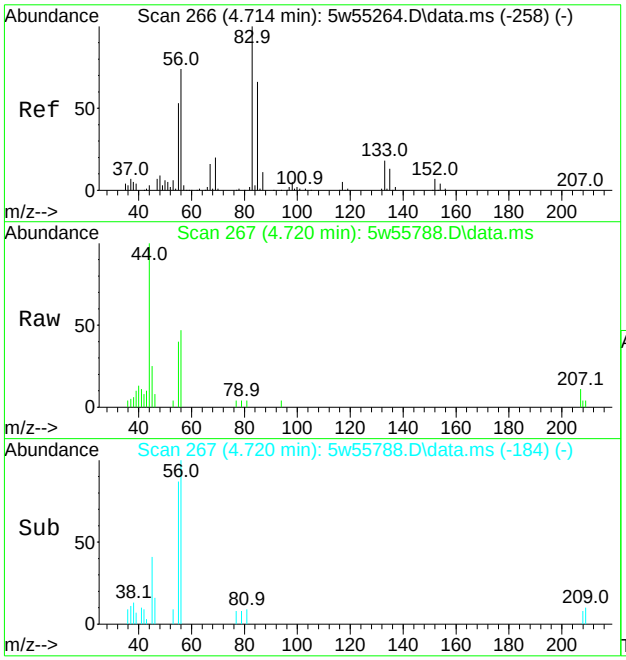



#17
ACETONITRILE
Concen: 1.1456 PPBV
RT: 4.616 min Scan# 250
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 41 Resp: 31653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 55.5 | 38.4 | 71.4 |
| 39 | 21.8 | 13.7 | 25.5 |

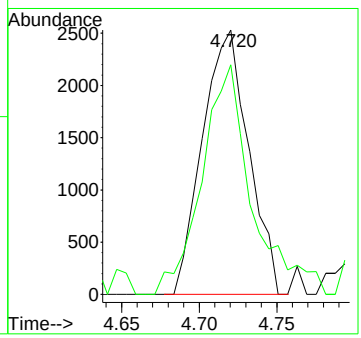


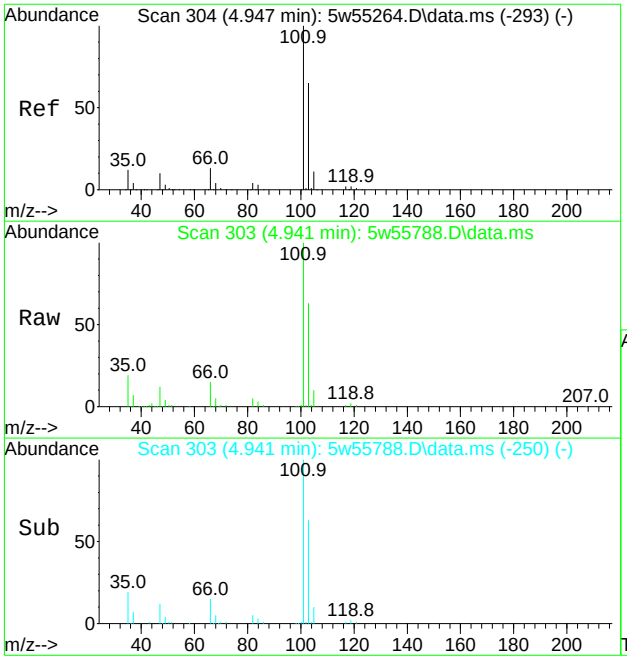




#18
ACROLEIN
Concen: 0.4331 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 56 Resp: 5225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 93.9 | 49.8 | 92.6# |

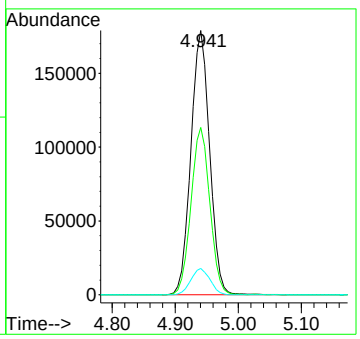


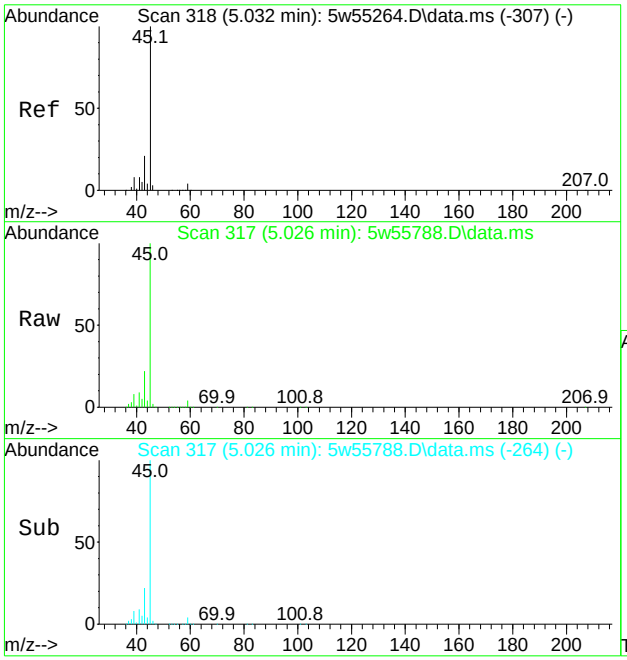



#21
TRICHLOROFLUOROMETHANE
Concen: 4.8838 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:101 Resp: 369288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.5 | 34.7 | 94.7 |
| 105 | 10.2 | 0.0 | 40.5 |

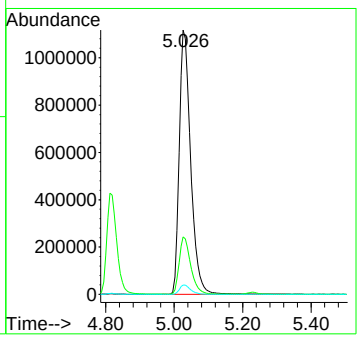


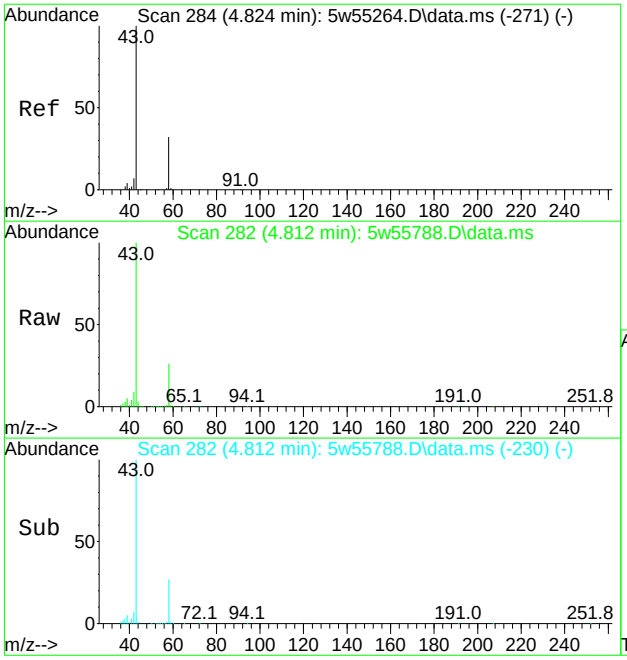




#22
ISOPROPYL ALCOHOL
Concen: 54.1394 PPBV
RT: 5.026 min Scan# 317
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 45 Resp: 2593785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.7 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

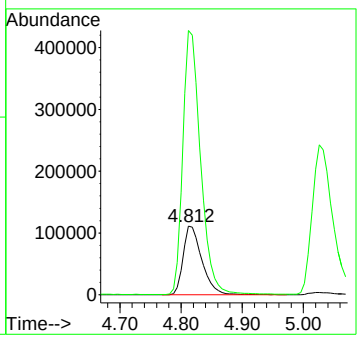


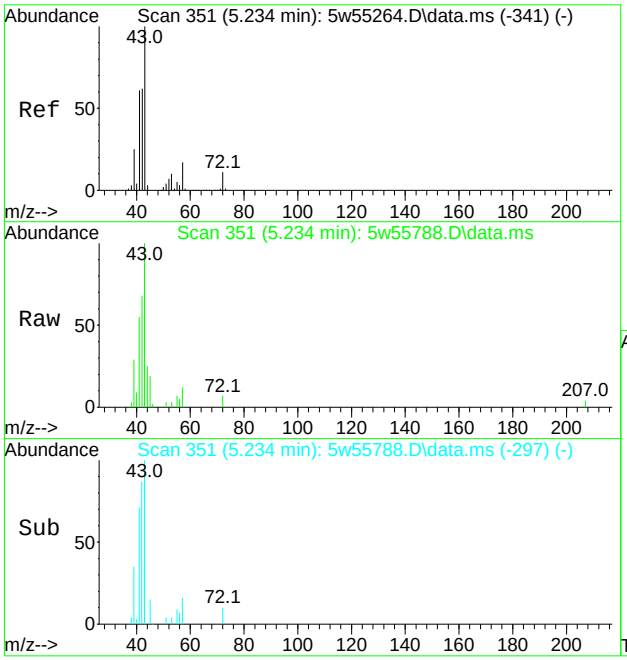



#23
ACETONE
Concen: 13.1354 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 58 Resp: 237206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 364.3 | 312.3 | 372.3 |

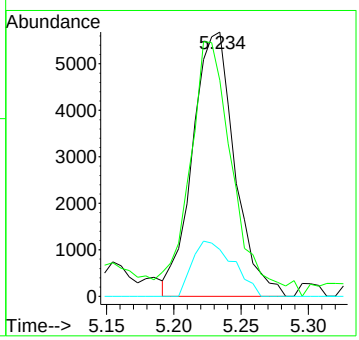


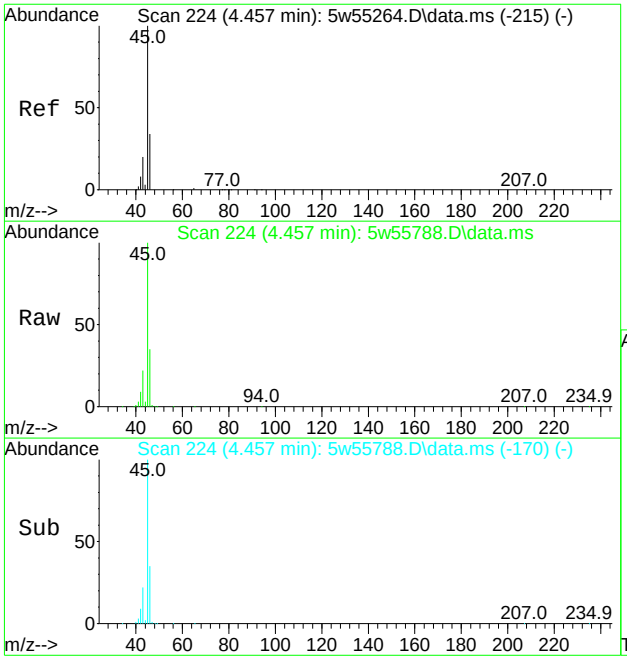




#24
PENTANE
Concen: 0.5205 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 42 Resp: 12388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 98.3 | 64.4 | 124.4 |
| 57 | 20.3 | 0.0 | 55.0 |

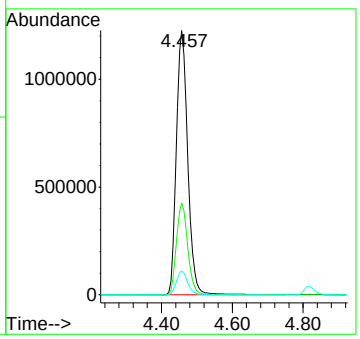


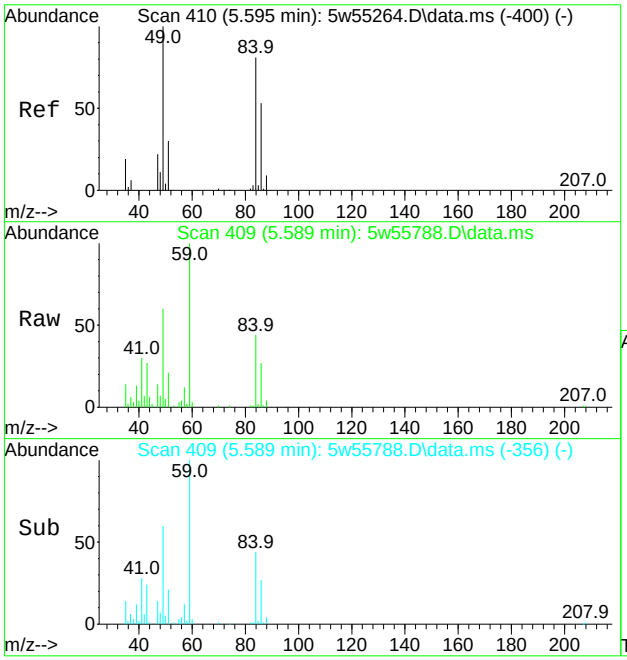



#28
ETHANOL
Concen: 156.0661 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 45 Resp: 2740313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.8 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

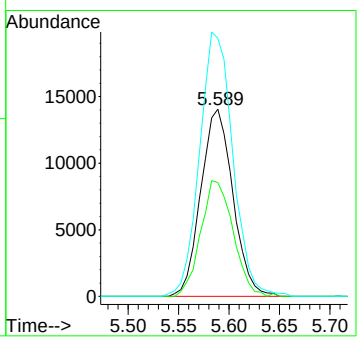


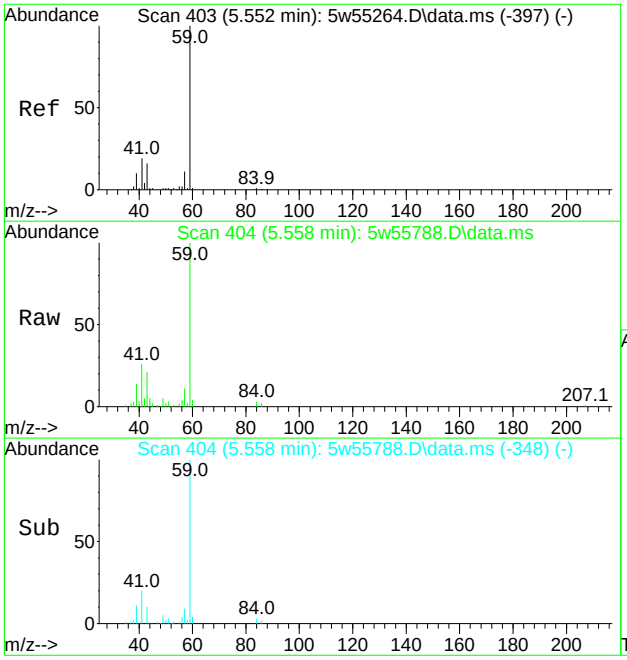




#31
METHYLENE CHLORIDE
Concen: 1.3281 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 84 Resp: 31190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.3 | 34.0 | 94.0 |
| 49 | 145.9 | 105.8 | 165.8 |

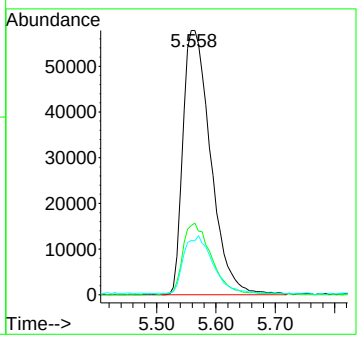


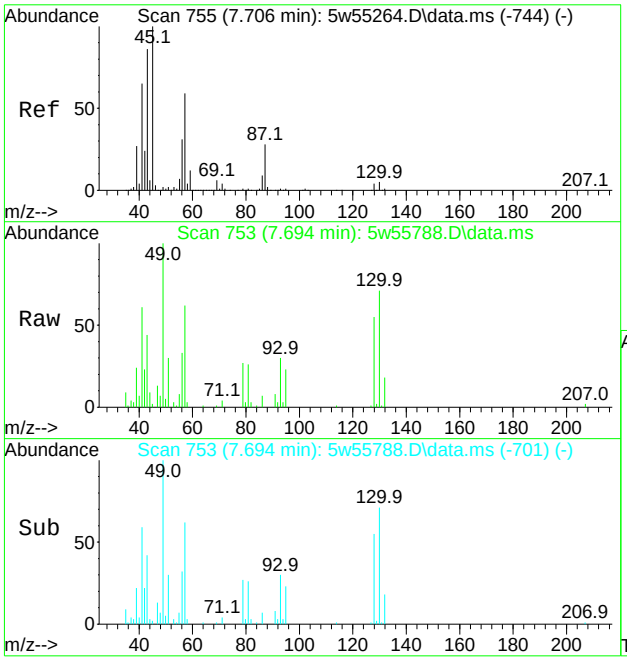



#35
TERTIARY BUTYL ALCOHOL
Concen: 4.1822 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 59 Resp: 188480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 28.4 | 0.0 | 53.1 |
| 43 | 23.1 | 0.0 | 47.1 |

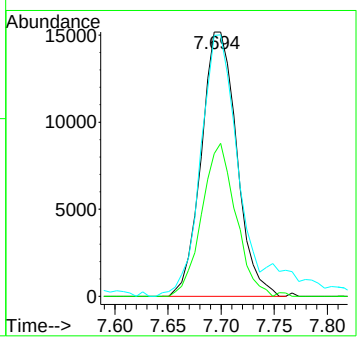


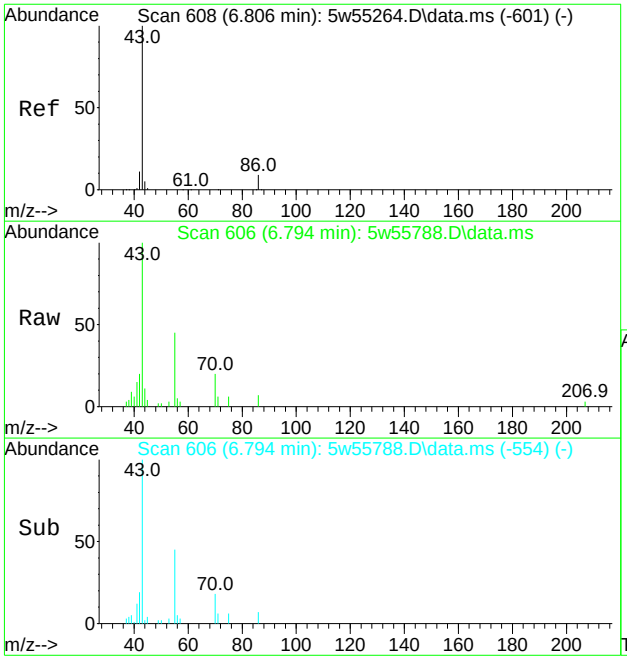




#38
HEXANE
Concen: 1.0040 PPBV
RT: 7.694 min Scan# 753
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 57 Resp: 35223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 55.7 | 24.2 | 84.2 |
| 41 | 116.6 | 92.1 | 152.1 |

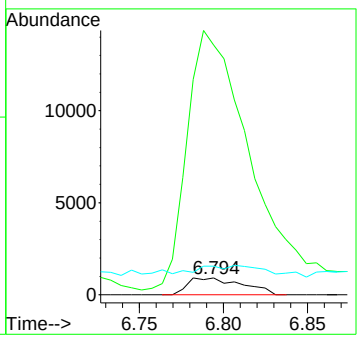


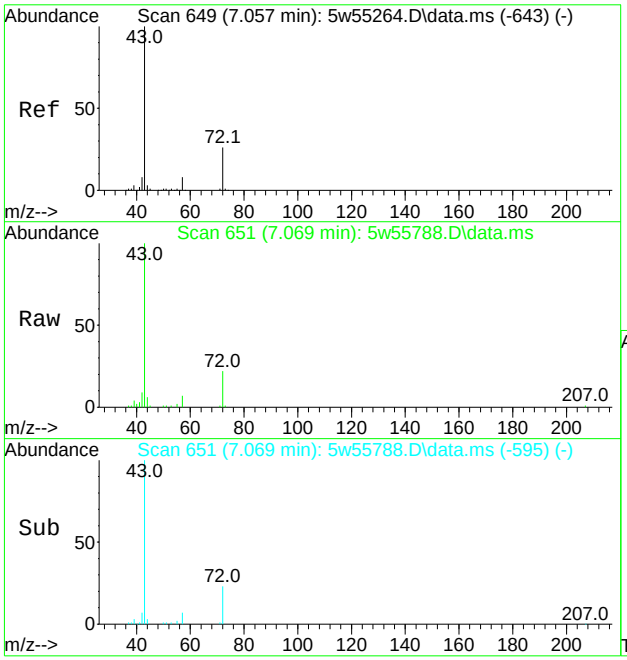



#39
VINYL ACETATE
Concen: 0.5160 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 86 Resp: 2069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1953.0 | 1335.5 | 1395.5# |
| 44 | 78.5 | 40.9 | 100.9 |

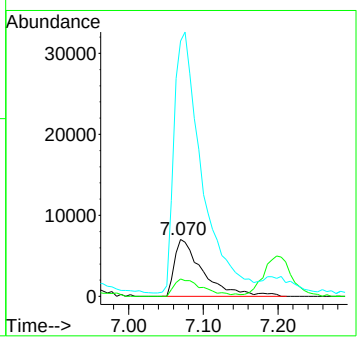


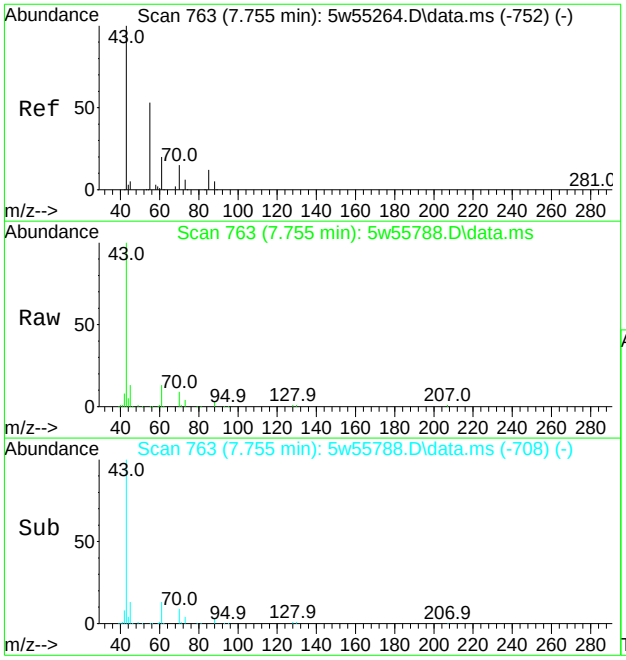




#41
METHYL ETHYL KETONE
Concen: 1.9134 PPBV
RT: 7.069 min Scan# 651
Delta R.T. 0.012 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 72 Resp: 18583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 30.5 | 1.1 | 61.1 |
| 43 | 449.1 | 390.6 | 450.6 |

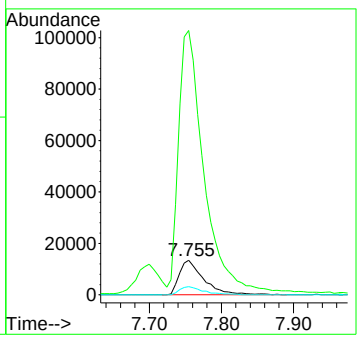


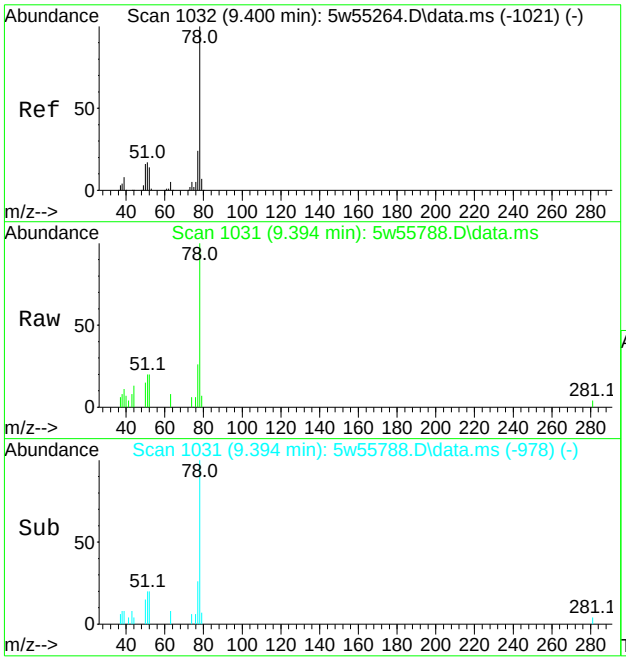



#44
ETHYL ACETATE
Concen: 4.4031 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 61 Resp: 31546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 802.9 | 0.0 | 30.0# |
| 88 | 23.0 | 7.3 | 67.3 |

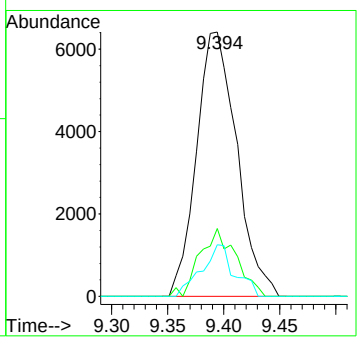


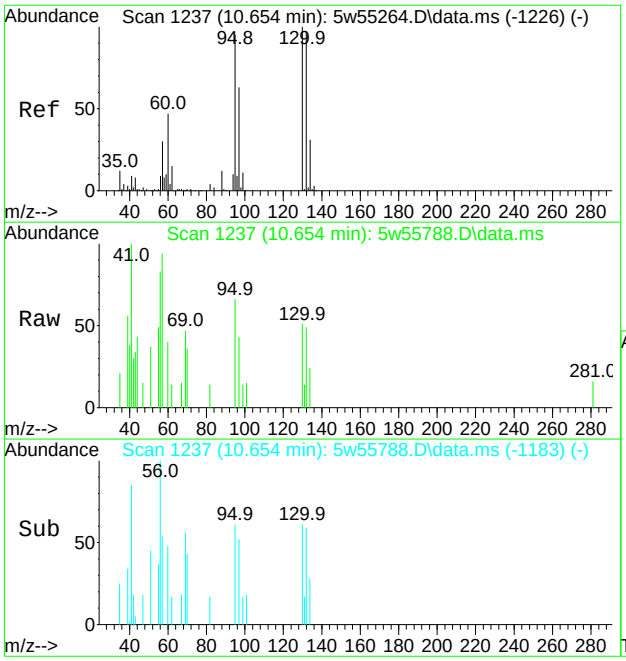




#52
BENZENE
Concen: 0.2003 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 78 Resp: 15996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.0 | 0.0 | 54.0 |
| 52 | 16.0 | 0.0 | 45.6 |

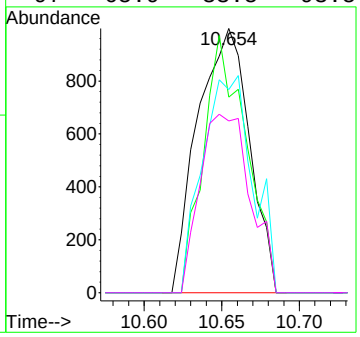


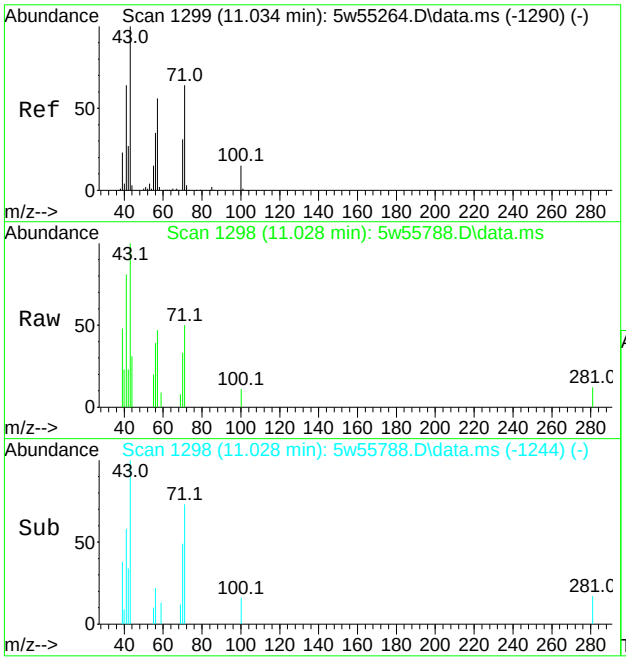



#55
TRICHLOROETHYLENE
Concen: 0.0550 PPBV
RT: 10.654 min Scan# 1237
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 95 Resp: 2315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 80.6 | 60.0 | 120.0 |
| 130 | 79.4 | 64.1 | 124.1 |
| 97 | 65.9 | 33.5 | 93.5 |

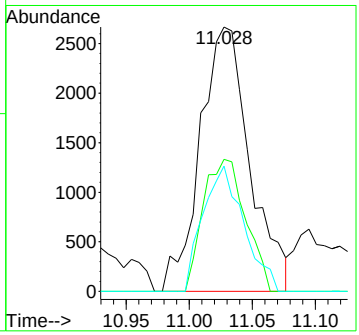


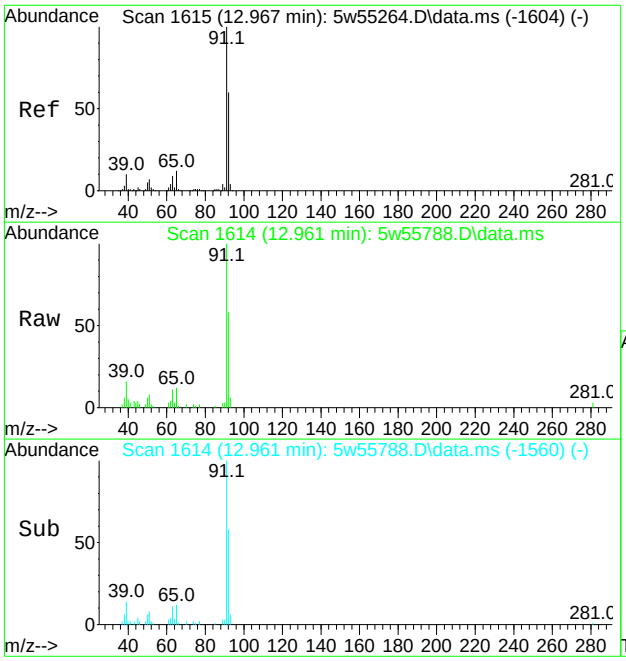




#62
HEPTANE
Concen: 0.1729 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 7324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 42.4 | 27.2 | 87.2 |
| 57 | 38.8 | 22.5 | 82.5 |

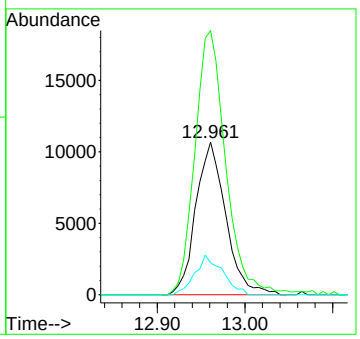


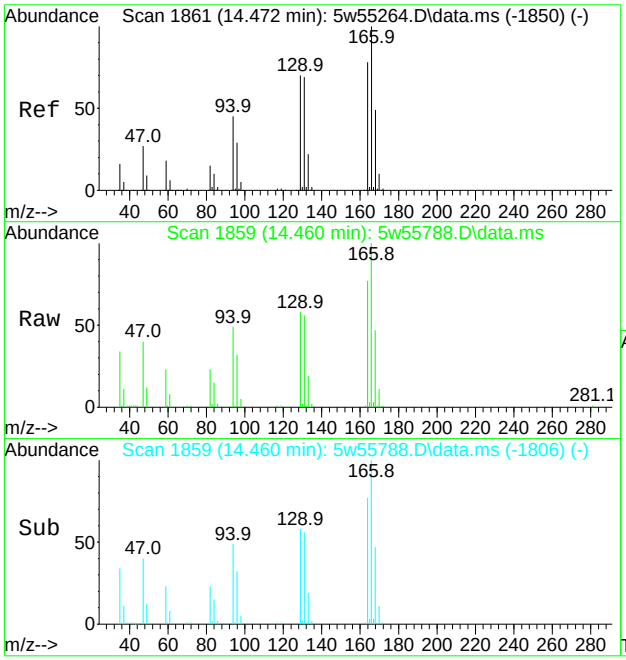



#66
TOLUENE
Concen: 0.4535 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 92 Resp: 25332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 178.8 | 143.4 | 203.4 |
| 65 | 23.9 | 0.0 | 53.8 |

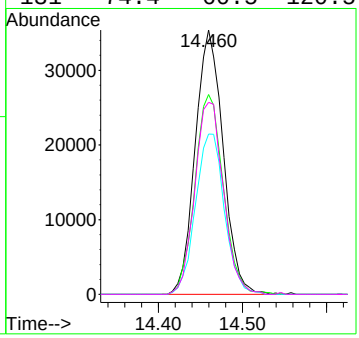


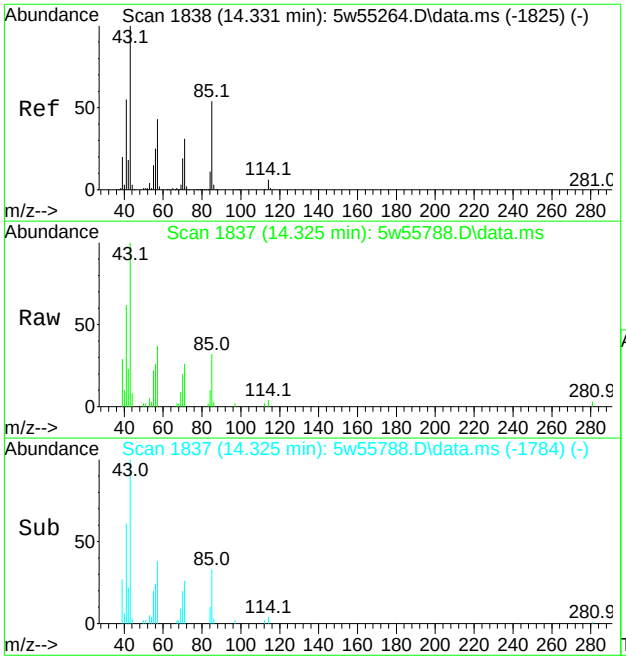




#73
TETRACHLOROETHYLENE
Concen: 2.0817 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:164 Resp: 81632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 77.3 | 64.4 | 124.4 |
| 168 | 62.9 | 31.2 | 91.2 |
| 131 | 74.4 | 60.5 | 120.5 |

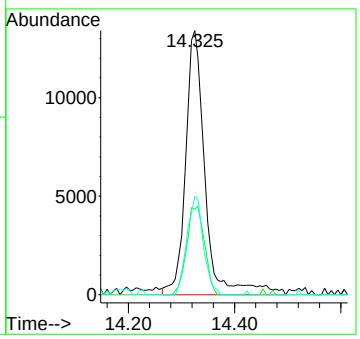


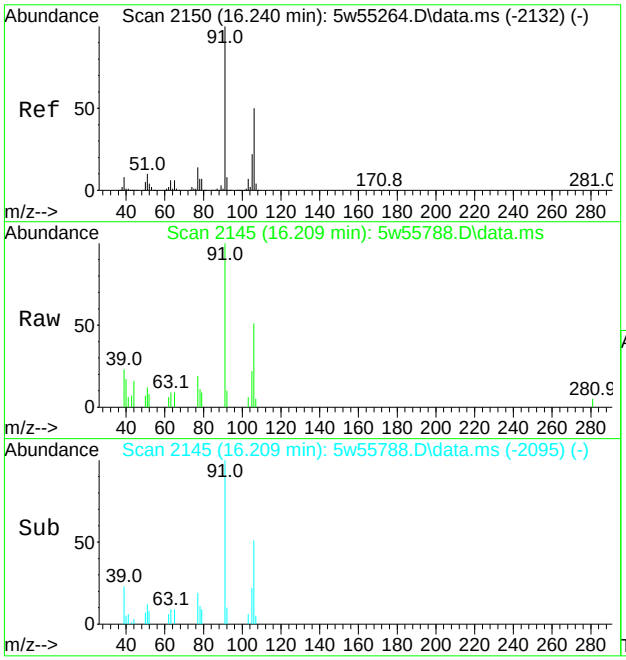



#76
OCTANE
Concen: 0.6500 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 34275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 30.7 | 13.7 | 73.7 |
| 57 | 31.5 | 9.9 | 69.9 |

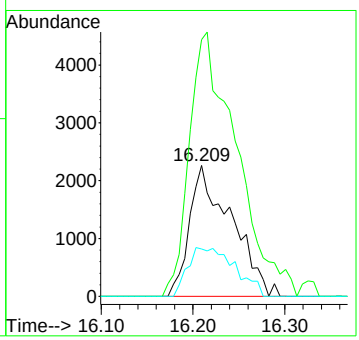


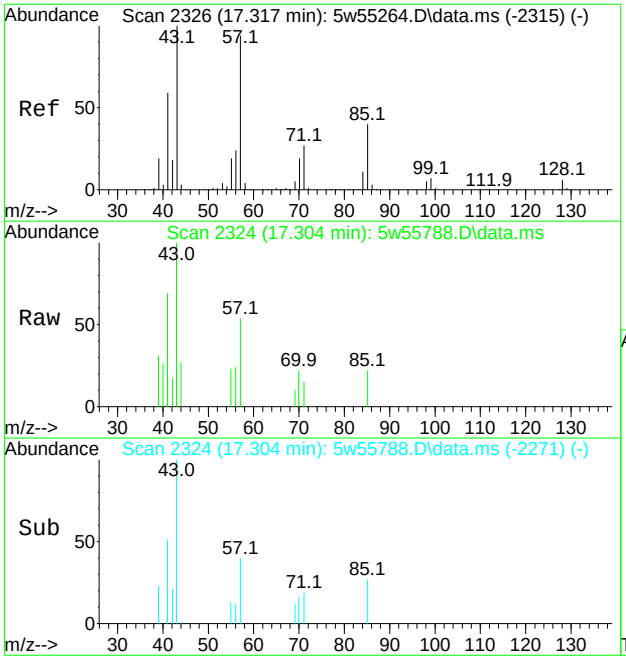




#80
m,p-XYLENE
Concen: 0.1710 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.024 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:106 Resp: 7183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.9 | 181.2 | 241.2 |
| 77 | 36.3 | 0.1 | 60.1 |

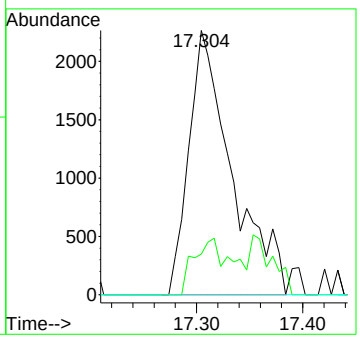


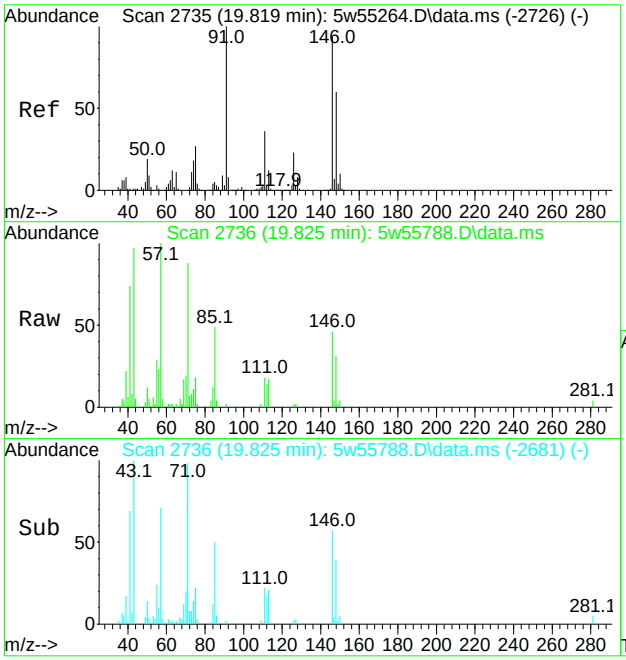



#83
NONANE
Concen: 0.1160 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion: 43 Resp: 6385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 19.0 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

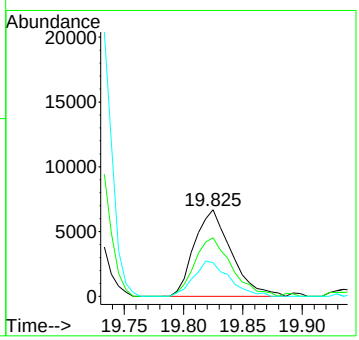


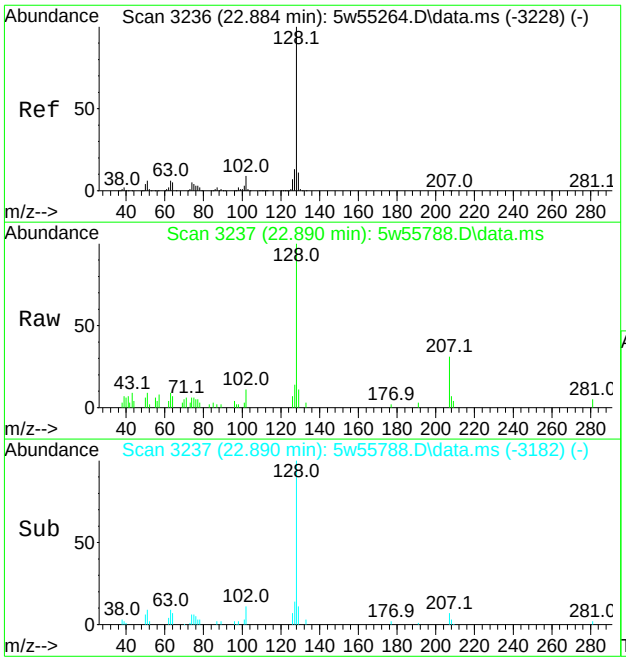




#97
m-DICHLOROBENZENE
Concen: 0.1762 PPBV
RT: 19.825 min Scan# 2736
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:146 Resp: 14483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 67.4 | 34.2 | 94.2 |
| 111 | 39.2 | 10.1 | 70.1 |

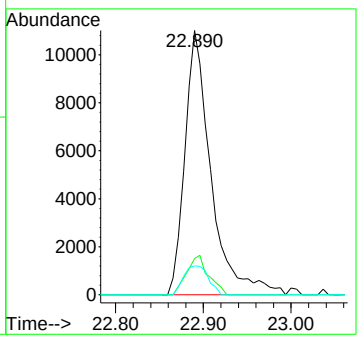





#108
NAPHTHALENE
Concen: 0.1559 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55788.D
Acq: 20 Dec 2024 9:22 pm

Tgt Ion:128 Resp: 22760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.5 | 0.0 | 43.1 |
| 129 | 10.3 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55789.D
Acq On : 20 Dec 2024 10:14 pm
Operator : thomash
Sample : je2489-4 Inst : GCMS5W
Misc : MS88104,V5W2136,740,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 23 07:32:49 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

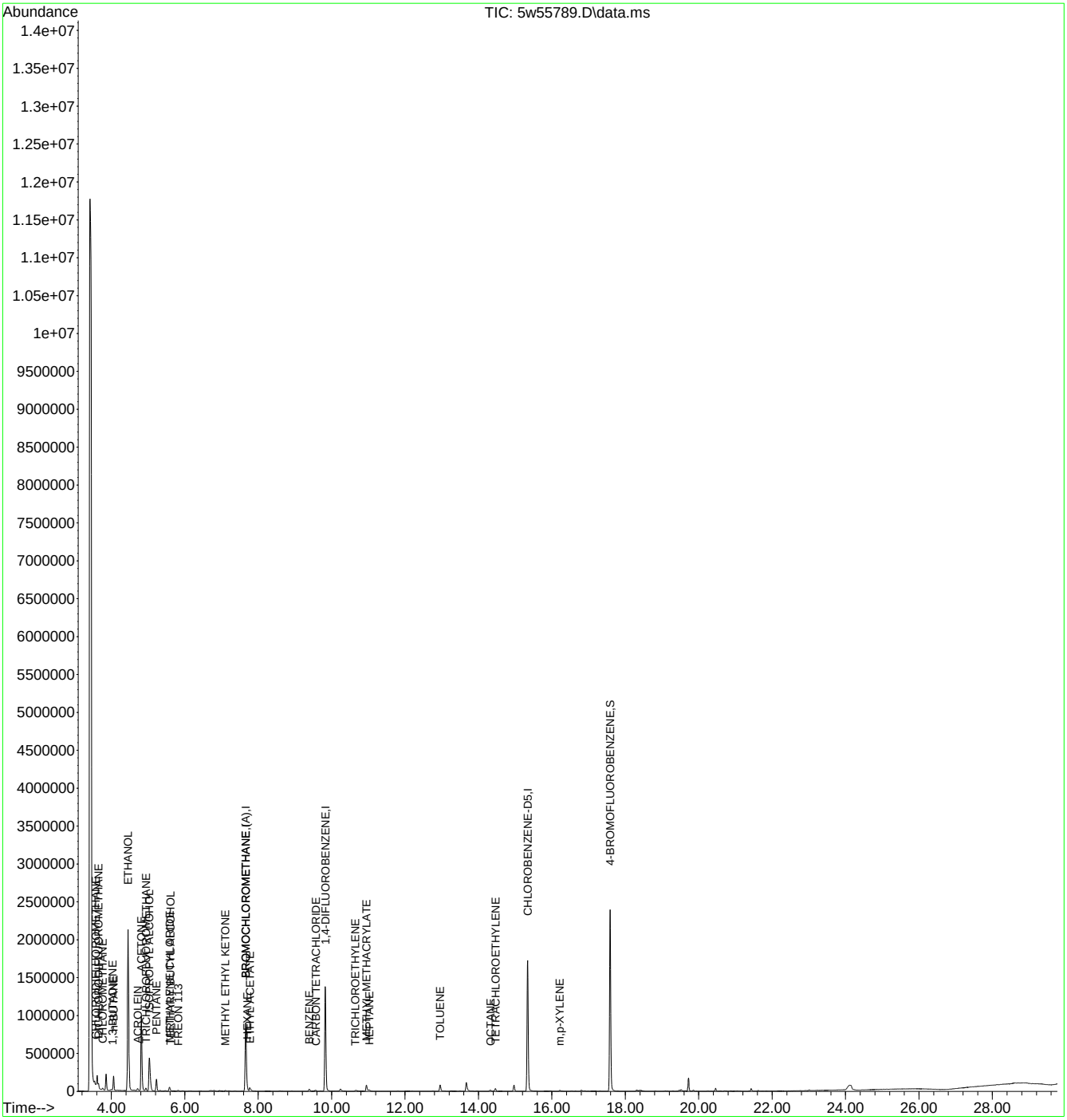
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 246511 | 10.00 | PPBV | #-0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1204091 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 692043 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 246511 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 860525 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 5814 | 0.6148 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 58004 | 0.6439 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.766 | 52 | 6649 | 0.5723 | PPBV # | 85 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 2638 | 0.0961 | PPBV # | 16 |
| 13) n-BUTANE | 4.060 | 43 | 163089 | 3.0968 | PPBV | 97 |
| 18) ACROLEIN | 4.714 | 56 | 23353 | 1.7581 | PPBV | 96 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 30231 | 0.3631 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 734231 | 13.9198 | PPBV | 97 |
| 23) ACETONE | 4.812 | 58 | 336455 | 16.9225 | PPBV # | 83 |
| 24) PENTANE | 5.228 | 42 | 69970 | 2.6703 | PPBV | 98 |
| 28) ETHANOL | 4.451 | 45 | 2839197 | 146.8674 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 17052 | 0.6595 | PPBV | 95 |
| 33) FREON 113 | 5.815 | 151 | 4208 | 0.0981 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.613 | 59 | 6775 | 0.1365 | PPBV # | 57 |
| 38) HEXANE | 7.700 | 57 | 17178 | 0.4447 | PPBV | 83 |
| 41) METHYL ETHYL KETONE | 7.100 | 72 | 4190 | 0.3918 | PPBV # | 71 |
| 44) ETHYL ACETATE | 7.773 | 61 | 8280 | 1.0497 | PPBV # | 73 |
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 7023 | 0.1034 | PPBV | 97 |
| 52) BENZENE | 9.394 | 78 | 30515 | 0.3496 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.642 | 95 | 2299 | 0.0500 | PPBV | 87 |
| 62) HEPTANE | 11.028 | 43 | 8132 | 0.1757 | PPBV | 85 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 41241 | 1.4214 | PPBV # | 75 |
| 66) TOLUENE | 12.955 | 92 | 43730 | 0.7164 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 9621 | 0.2128 | PPBV | 86 |
| 76) OCTANE | 14.331 | 43 | 15979 | 0.2629 | PPBV # | 55 |
| 80) m,p-XYLENE | 16.209 | 106 | 5606 | 0.1158 | PPBV | 98 |

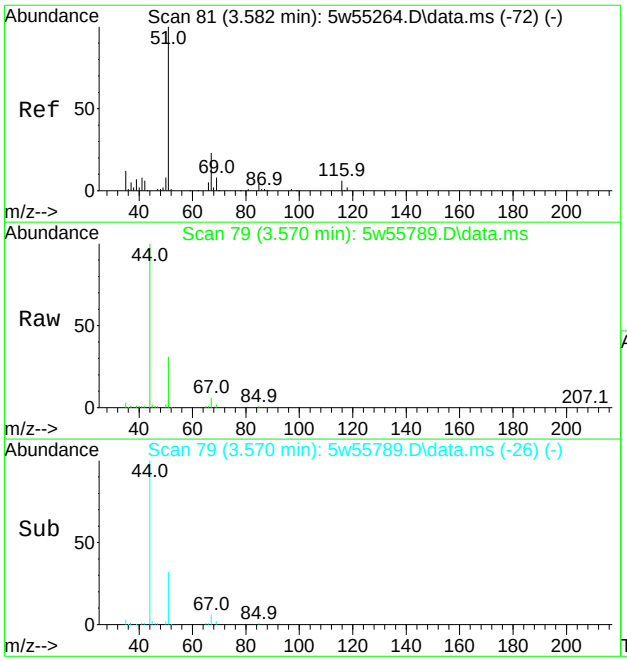
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55789.D
Acq On : 20 Dec 2024 10:14 pm
Operator : thomash
Sample : je2489-4 Inst : GCMS5W
Misc : MS88104,V5W2136,740,,,,1.48
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 23 07:32:49 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

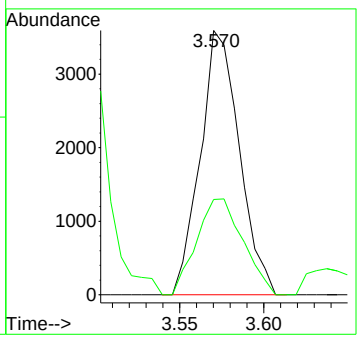


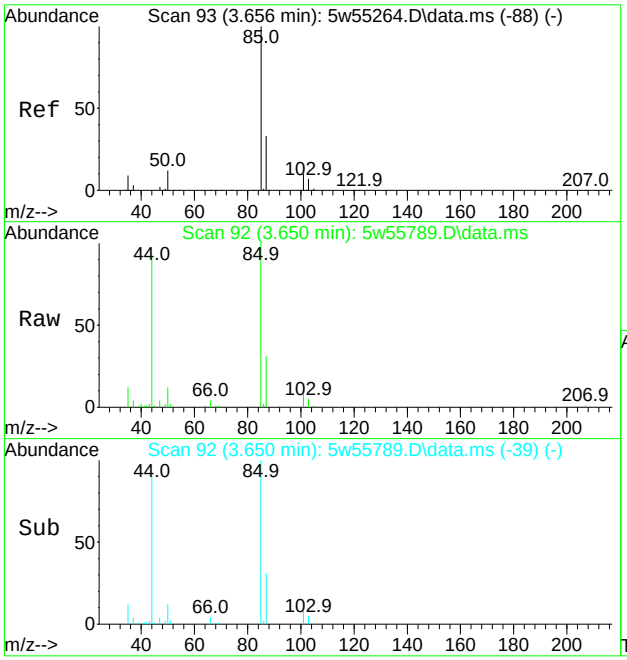



#4
CHLORODIFLUOROMETHANE
Concen: 0.6148 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 67 Resp: 5814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 36.0 | 2.9 | 62.9 |

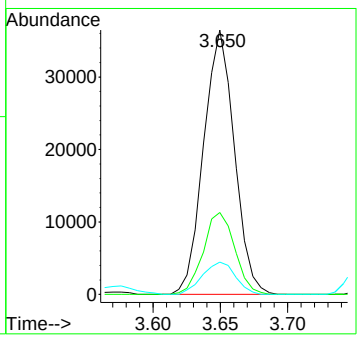


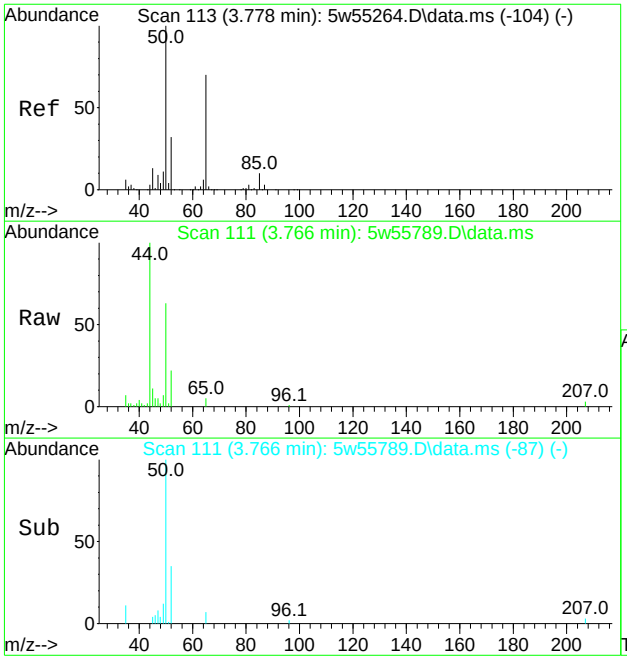




#6
DICHLORODIFLUOROMETHANE
Concen: 0.6439 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 85 Resp: 58004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.6 | 2.6 | 62.6 |
| 50 | 13.1 | 0.0 | 43.0 |

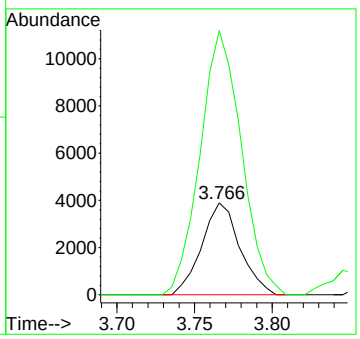


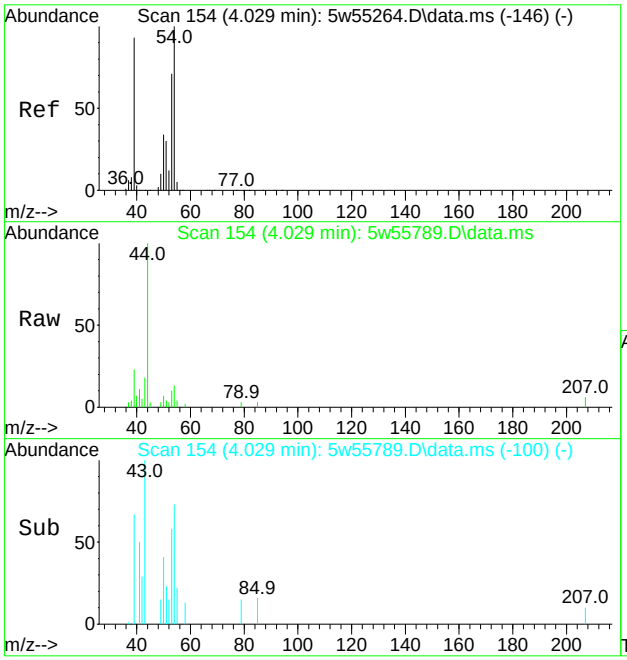



#10
CHLOROMETHANE
Concen: 0.5723 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 52 Resp: 6649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 287.7 | 287.9 | 347.9# |

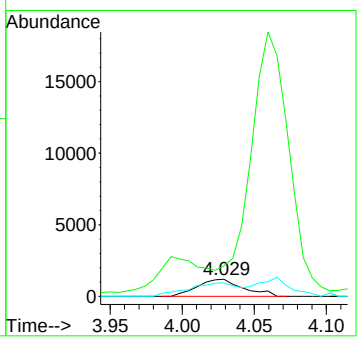


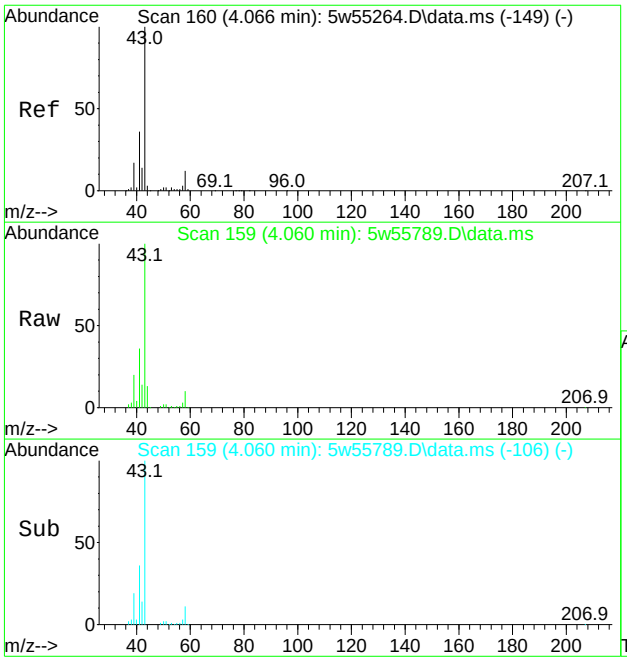




#12
1,3-BUTADIENE
Concen: 0.0961 PPBV
RT: 4.029 min Scan# 154
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 54 Resp: 2638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 0.0 | 103.6 | 163.6# |
| 53 | 95.7 | 41.1 | 101.1 |

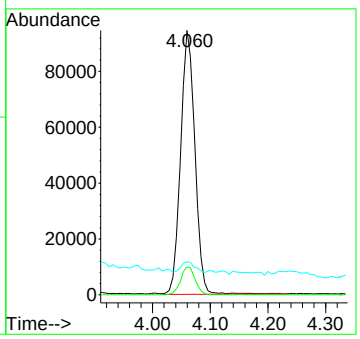


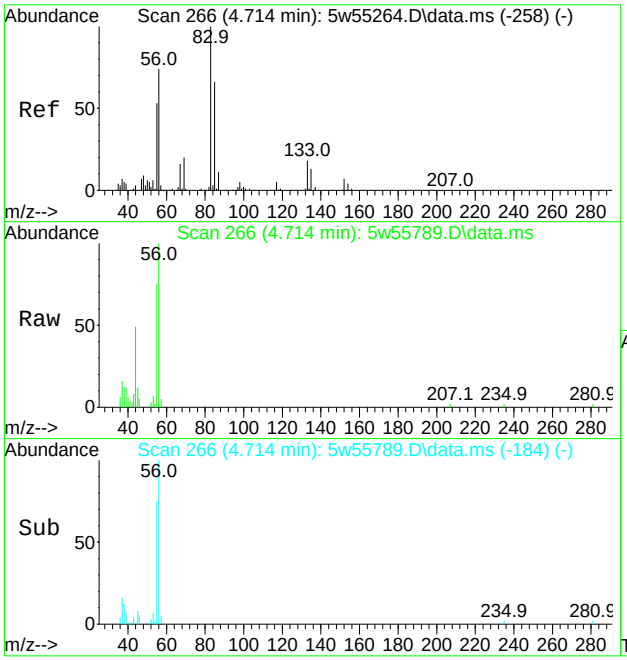



#13
n-BUTANE
Concen: 3.0968 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 163089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.7 | 0.0 | 41.6 |
| 44 | 5.7 | 0.0 | 34.7 |

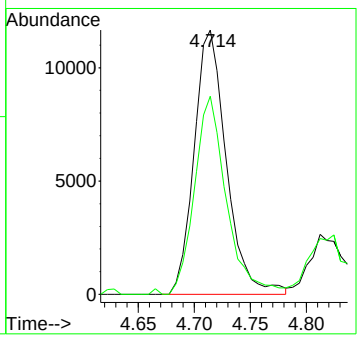


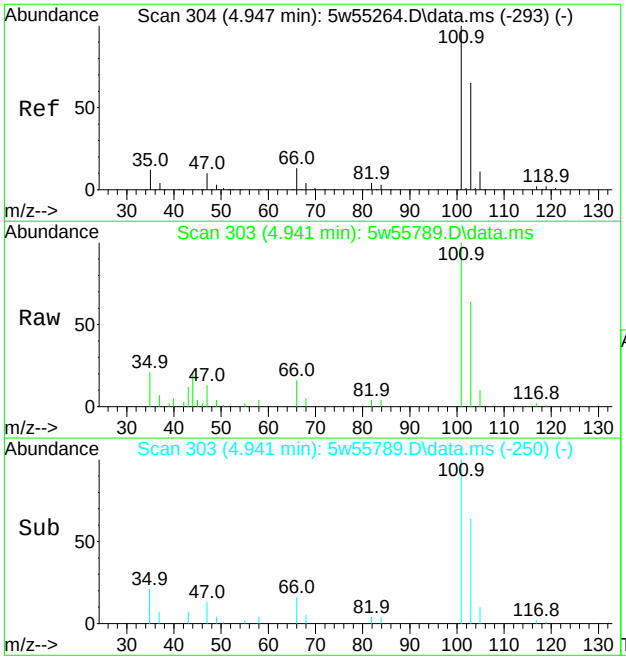




#18
ACROLEIN
Concen: 1.7581 PPBV
RT: 4.714 min Scan# 266
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 56 Resp: 23353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 74.4 | 49.8 | 92.6 |

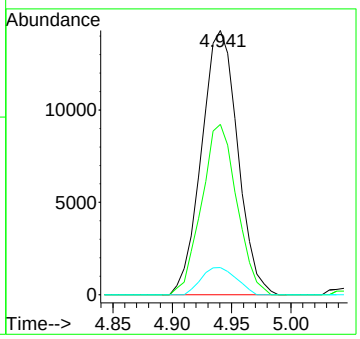


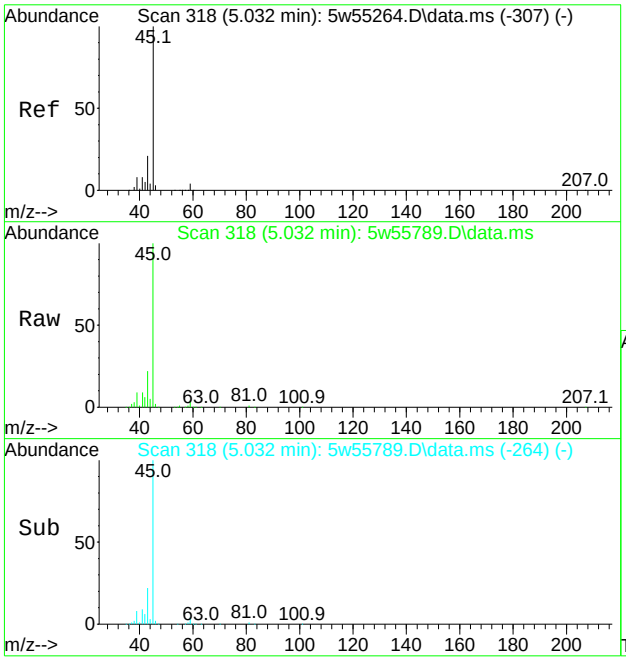



#21
TRICHLOROFLUOROMETHANE
Concen: 0.3631 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:101 Resp: 30231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.8 | 34.7 | 94.7 |
| 105 | 10.0 | 0.0 | 40.5 |

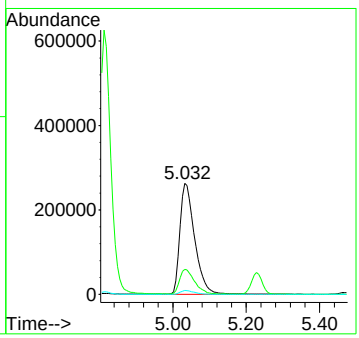


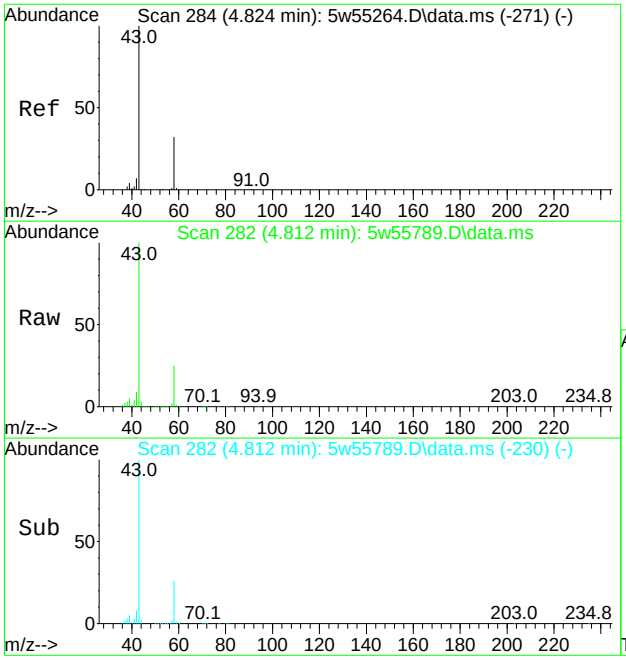




#22
ISOPROPYL ALCOHOL
Concen: 13.9198 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 45 Resp: 734231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 22.4 | 0.0 | 50.8 |
| 59 | 3.5 | 0.0 | 33.8 |

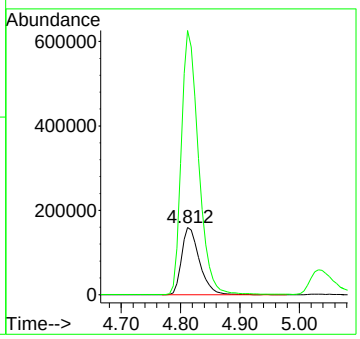


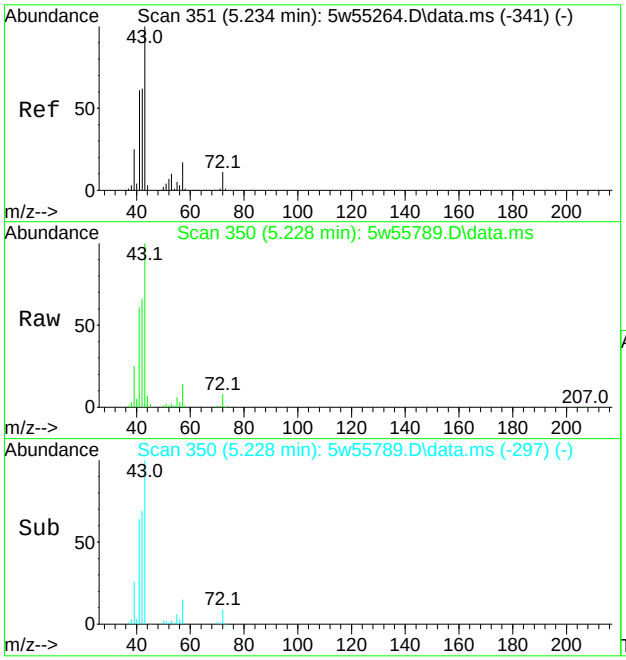



#23
ACETONE
Concen: 16.9225 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 58 Resp: 336455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 378.4 | 312.3 | 372.3# |

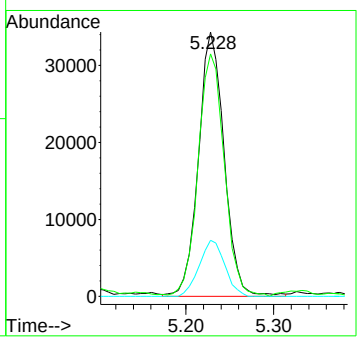


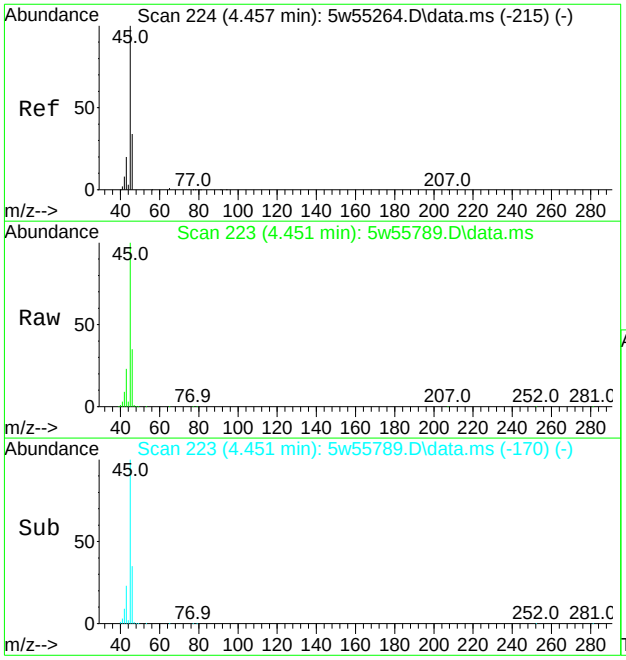




#24
PENTANE
Concen: 2.6703 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 42 Resp: 69970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 93.6 | 64.4 | 124.4 |
| 57 | 21.1 | 0.0 | 55.0 |

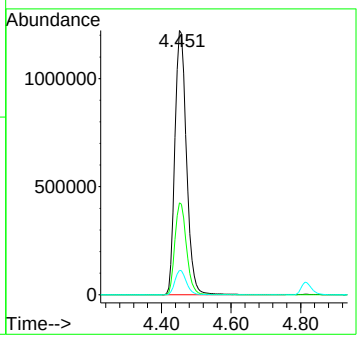


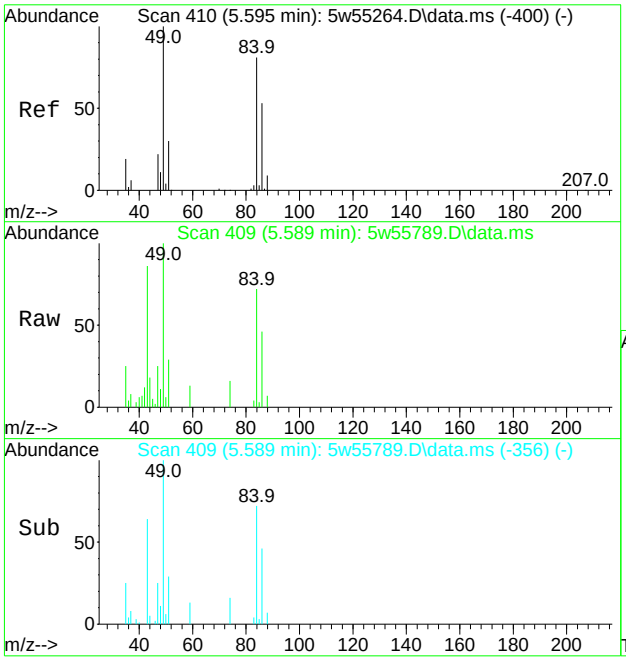



#28
ETHANOL
Concen: 146.8674 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 45 Resp: 2839197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.9 | 4.5 | 64.5 |
| 42 | 9.2 | 0.0 | 38.6 |

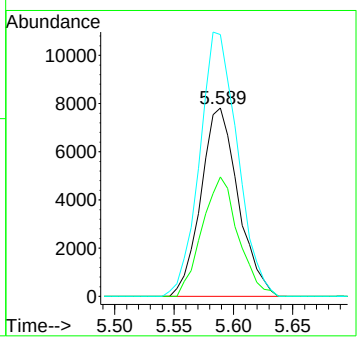


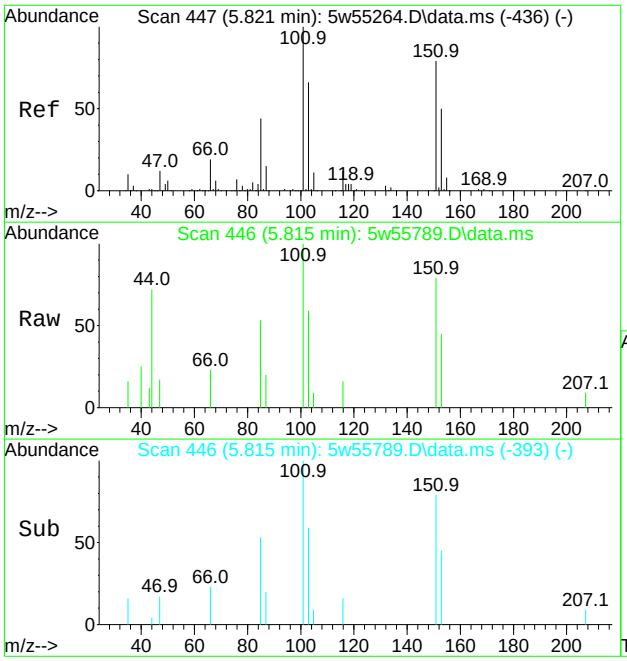




#31
METHYLENE CHLORIDE
Concen: 0.6595 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 84 Resp: 17052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.4 | 34.0 | 94.0 |
| 49 | 142.7 | 105.8 | 165.8 |

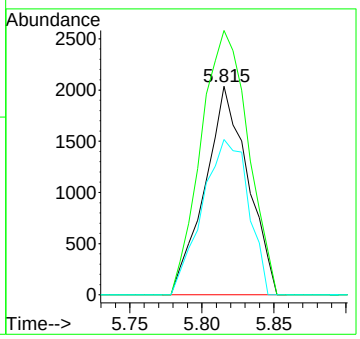


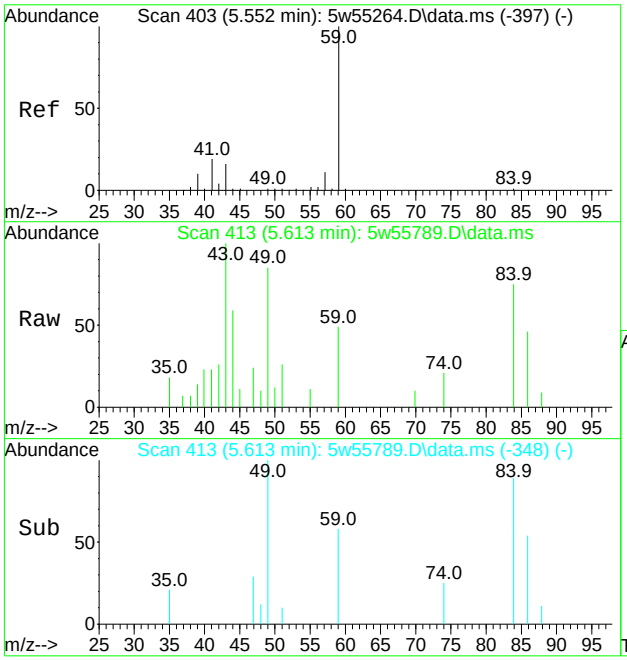



#33
FREON 113
Concen: 0.0981 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:151 Resp: 4208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 139.9 | 112.2 | 172.2 |
| 103 | 80.5 | 62.0 | 122.0 |

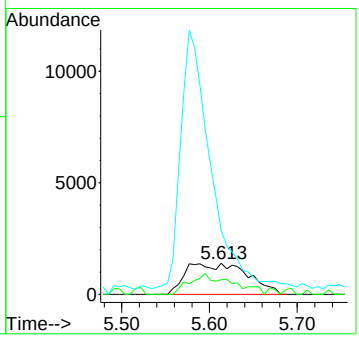


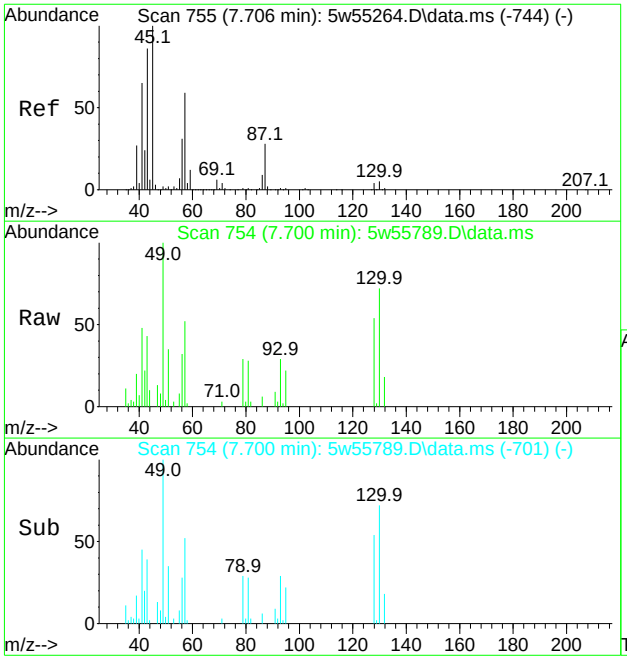




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1365 PPBV
RT: 5.613 min Scan# 413
Delta R.T. 0.067 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 59 Resp: 6775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 45.5 | 0.0 | 53.1 |
| 43 | 0.0 | 0.0 | 47.1 |

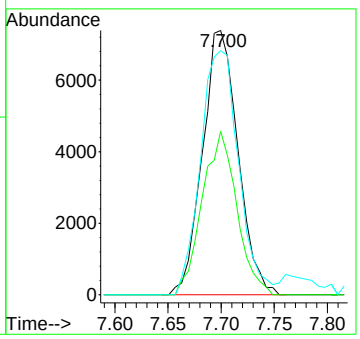


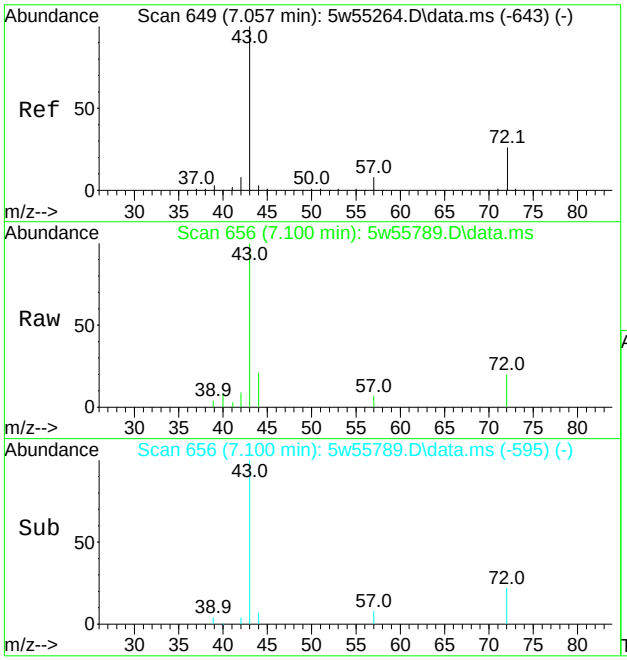



#38
HEXANE
Concen: 0.4447 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 57 Resp: 17178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 60.1 | 24.2 | 84.2 |
| 41 | 99.0 | 92.1 | 152.1 |

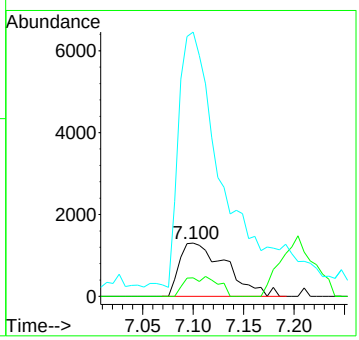


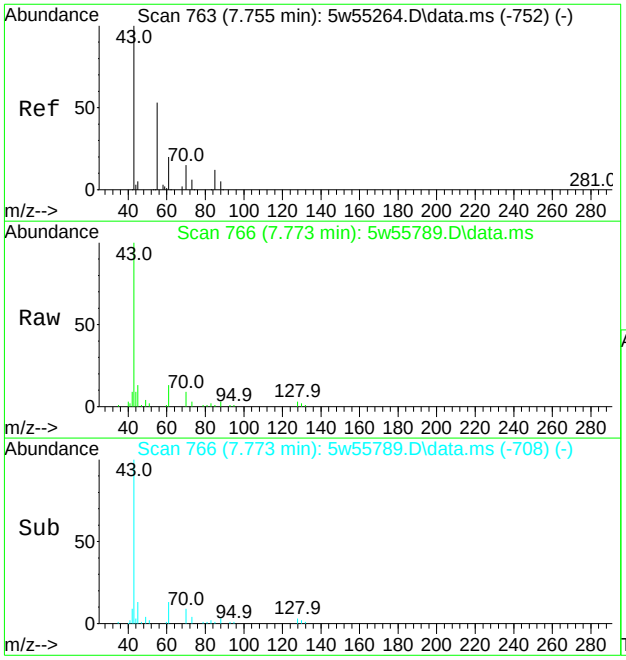




#41
METHYL ETHYL KETONE
Concen: 0.3918 PPBV
RT: 7.100 min Scan# 656
Delta R.T. 0.043 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 72 Resp: 4190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 34.5 | 1.1 | 61.1 |
| 43 | 495.5 | 390.6 | 450.6# |

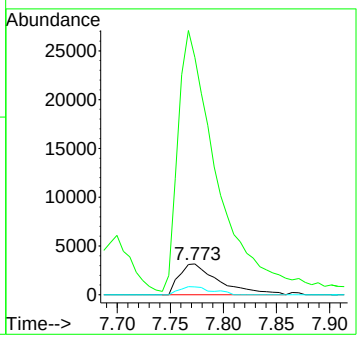


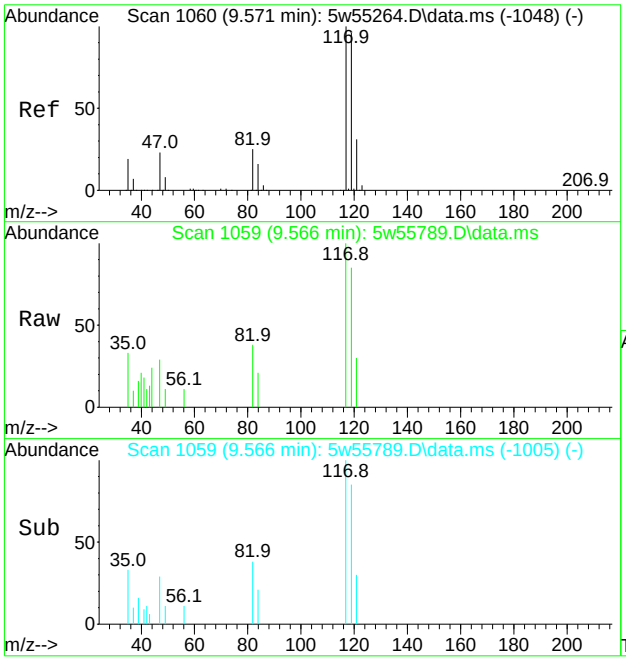



#44
ETHYL ACETATE
Concen: 1.0497 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 61 Resp: 8280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 884.8 | 0.0 | 30.0# |
| 88 | 21.2 | 7.3 | 67.3 |

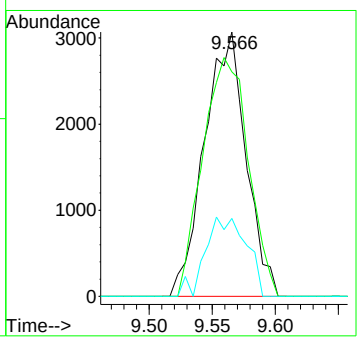


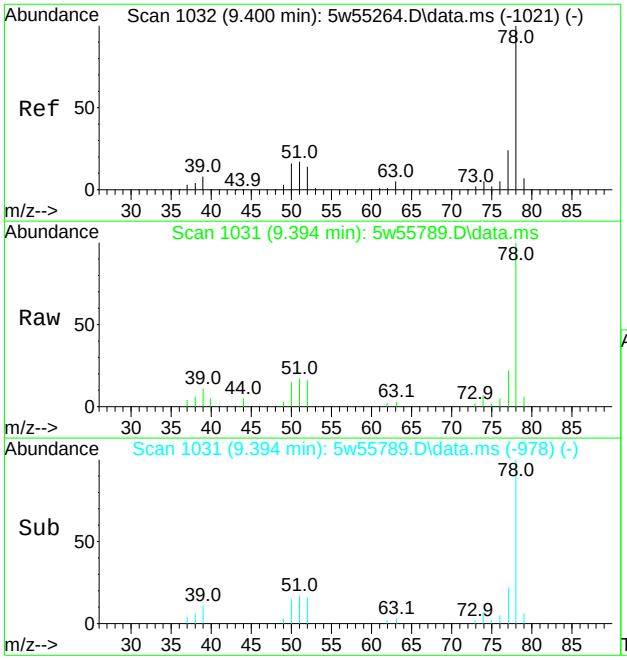




#49
CARBON TETRACHLORIDE
Concen: 0.1034 PPBV
RT: 9.566 min Scan# 1059
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:117 Resp: 7023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.2 | 65.9 | 125.9 |
| 121 | 29.6 | 0.7 | 60.7 |

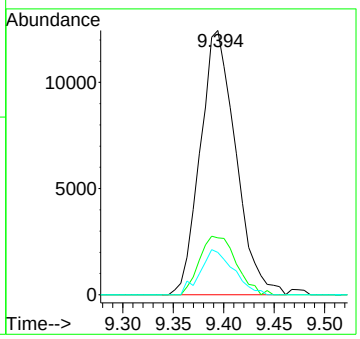


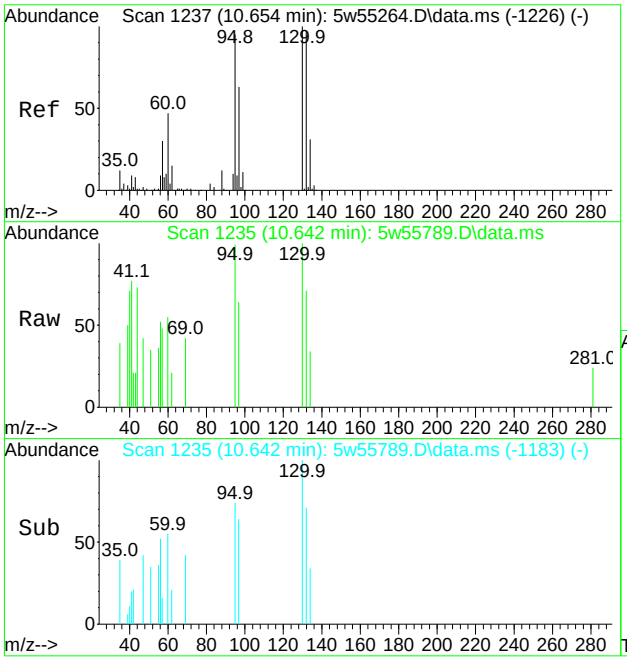



#52
BENZENE
Concen: 0.3496 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 78 Resp: 30515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.9 | 0.0 | 54.0 |
| 52 | 16.0 | 0.0 | 45.6 |

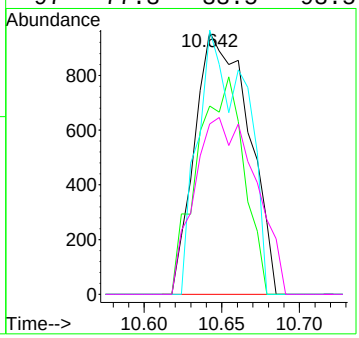


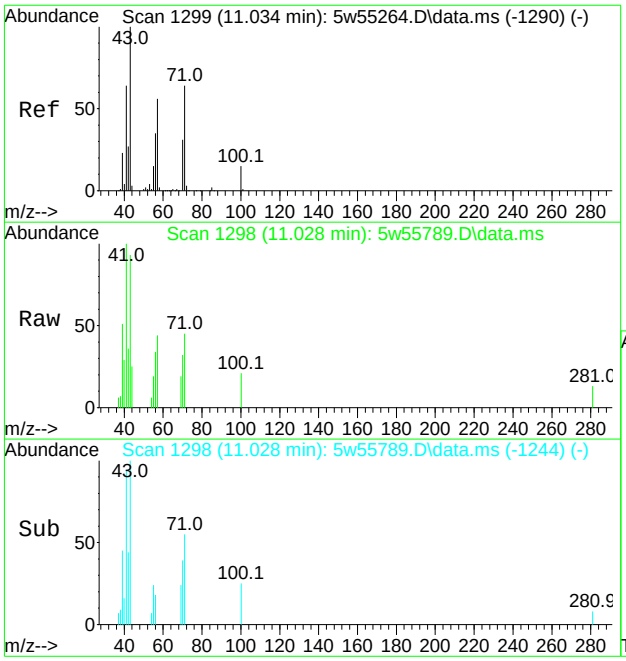




#55
TRICHLOROETHYLENE
Concen: 0.0500 PPBV
RT: 10.642 min Scan# 1235
Delta R.T. -0.012 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 95 Resp: 2299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 72.4 | 60.0 | 120.0 |
| 130 | 89.8 | 64.1 | 124.1 |
| 97 | 77.3 | 33.5 | 93.5 |

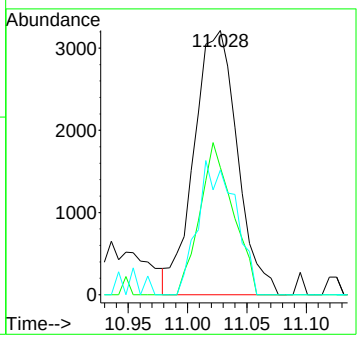


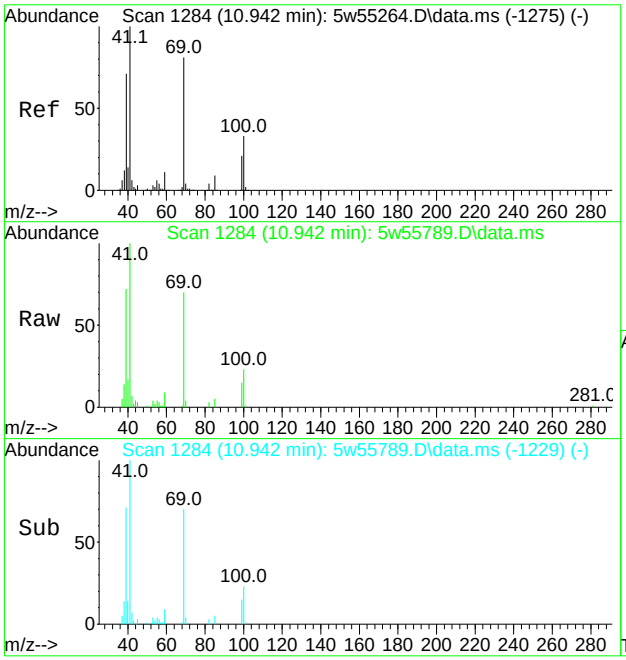



#62
HEPTANE
Concen: 0.1757 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 8132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 44.1 | 27.2 | 87.2 |
| 57 | 44.0 | 22.5 | 82.5 |

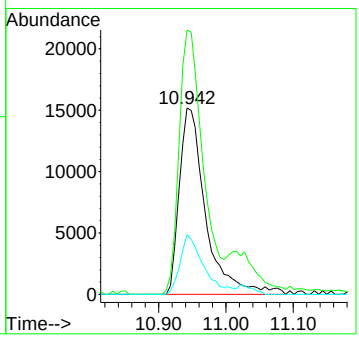


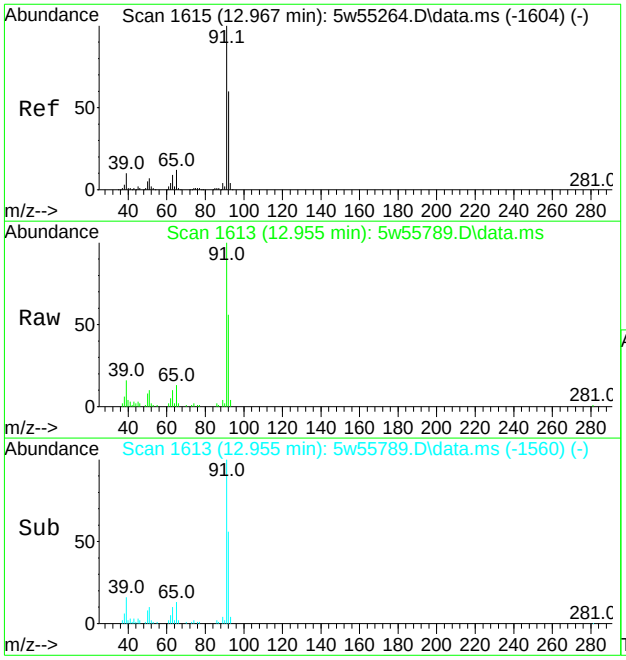




#63
METHYL METHACRYLATE
Concen: 1.4214 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 69 Resp: 41241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 161.3 | 97.3 | 157.3# |
| 100 | 29.0 | 3.0 | 63.0 |

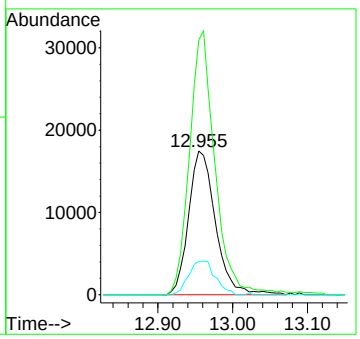


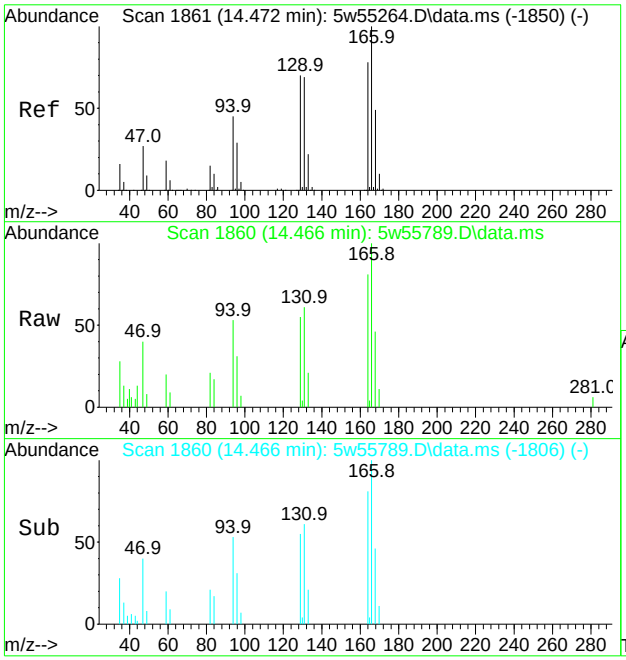



#66
TOLUENE
Concen: 0.7164 PPBV
RT: 12.955 min Scan# 1613
Delta R.T. -0.006 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 92 Resp: 43730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.8 | 143.4 | 203.4 |
| 65 | 23.1 | 0.0 | 53.8 |

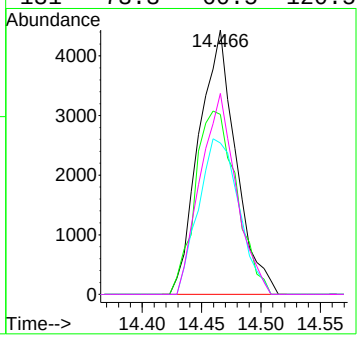


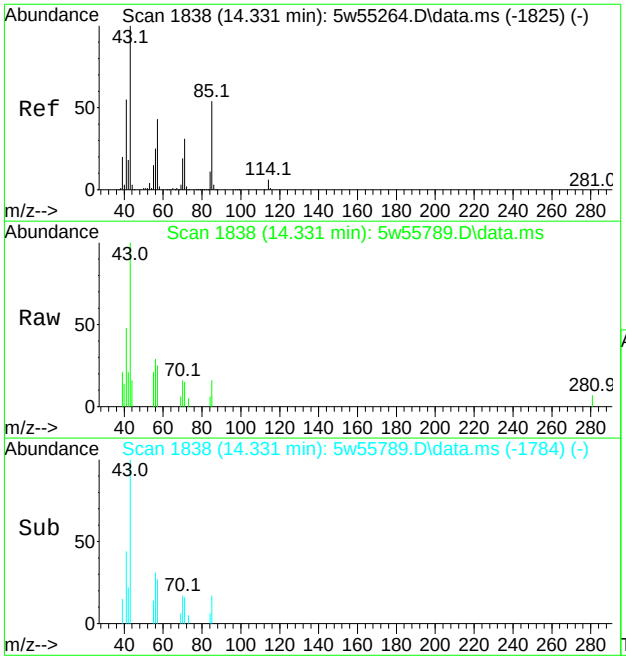




#73
TETRACHLOROETHYLENE
Concen: 0.2128 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:164 Resp: 9621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 77.5 | 64.4 | 124.4 |
| 168 | 64.3 | 31.2 | 91.2 |
| 131 | 73.3 | 60.5 | 120.5 |

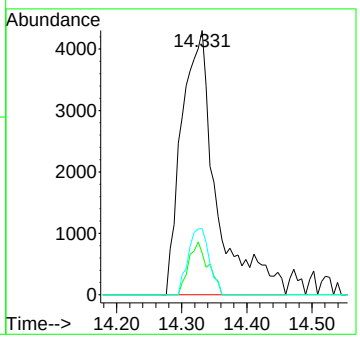


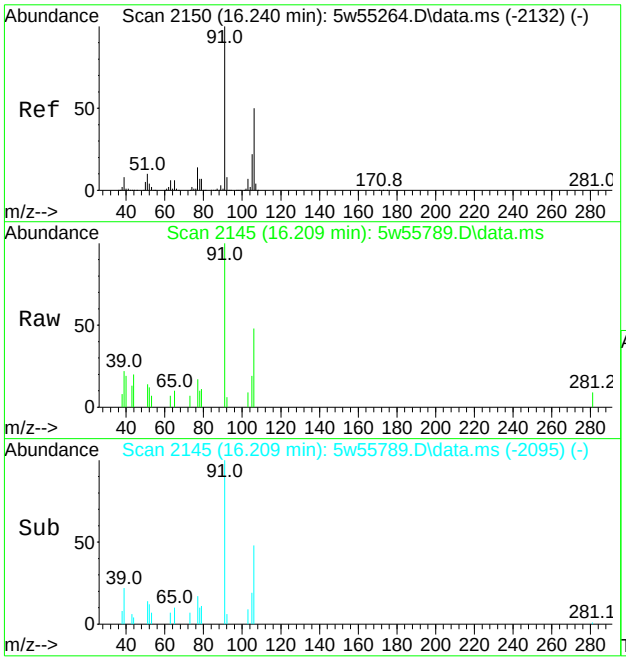



#76
OCTANE
Concen: 0.2629 PPBV
RT: 14.331 min Scan# 1838
Delta R.T. -0.000 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion: 43 Resp: 15979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 11.2 | 13.7 | 73.7# |
| 57 | 15.1 | 9.9 | 69.9 |

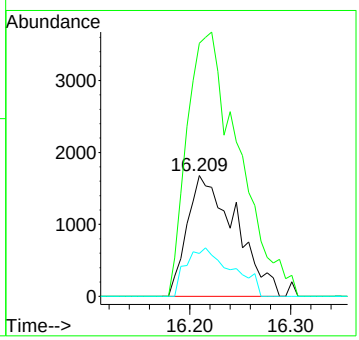



#80
m,p-XYLENE
Concen: 0.1158 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55789.D
Acq: 20 Dec 2024 10:14 pm

Tgt Ion:106 Resp: 5606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.5 | 181.2 | 241.2 |
| 77 | 35.5 | 0.1 | 60.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

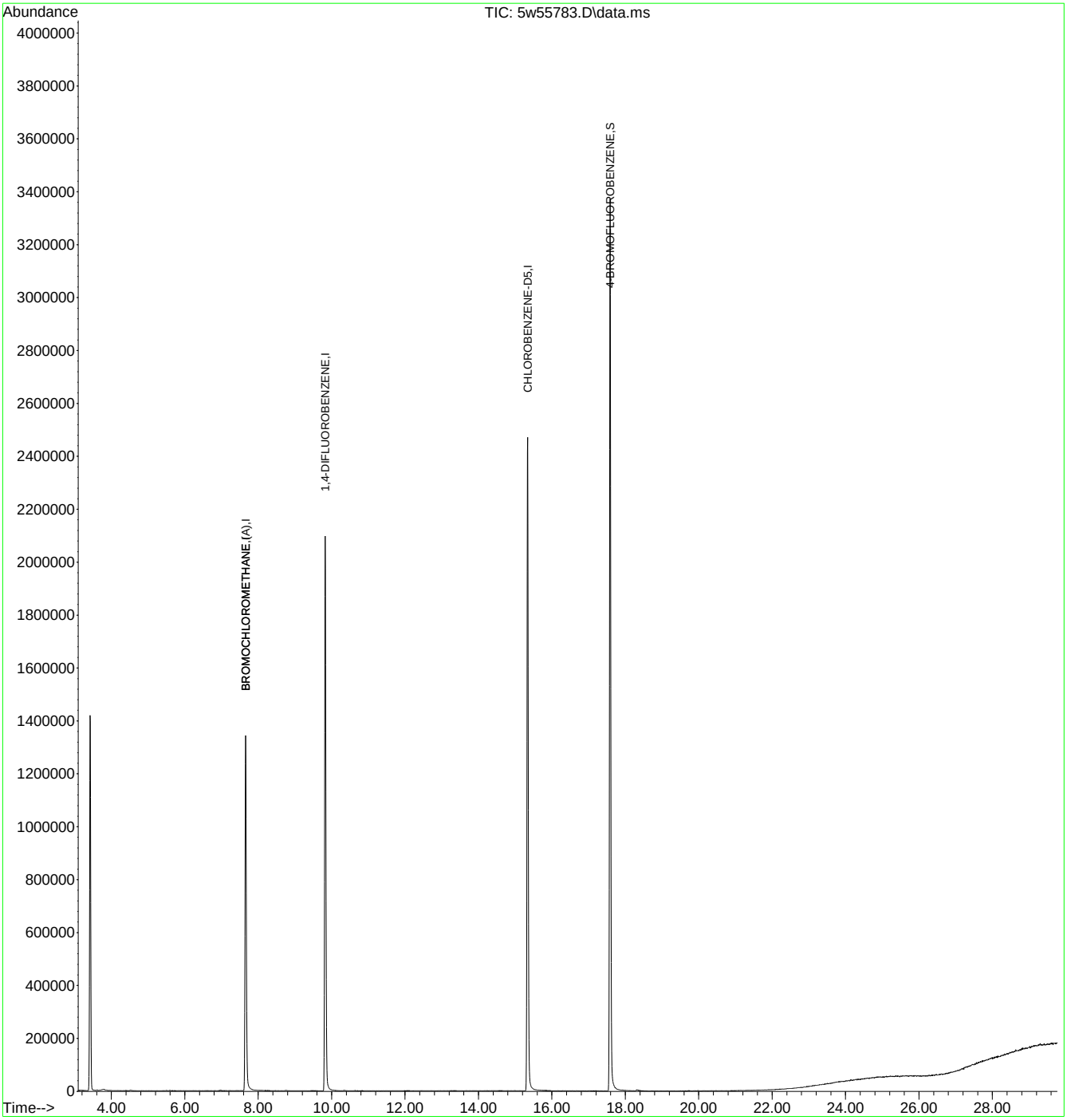
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 420264 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.823 | 114 | 1982756 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 1052285 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 420264 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1308462 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

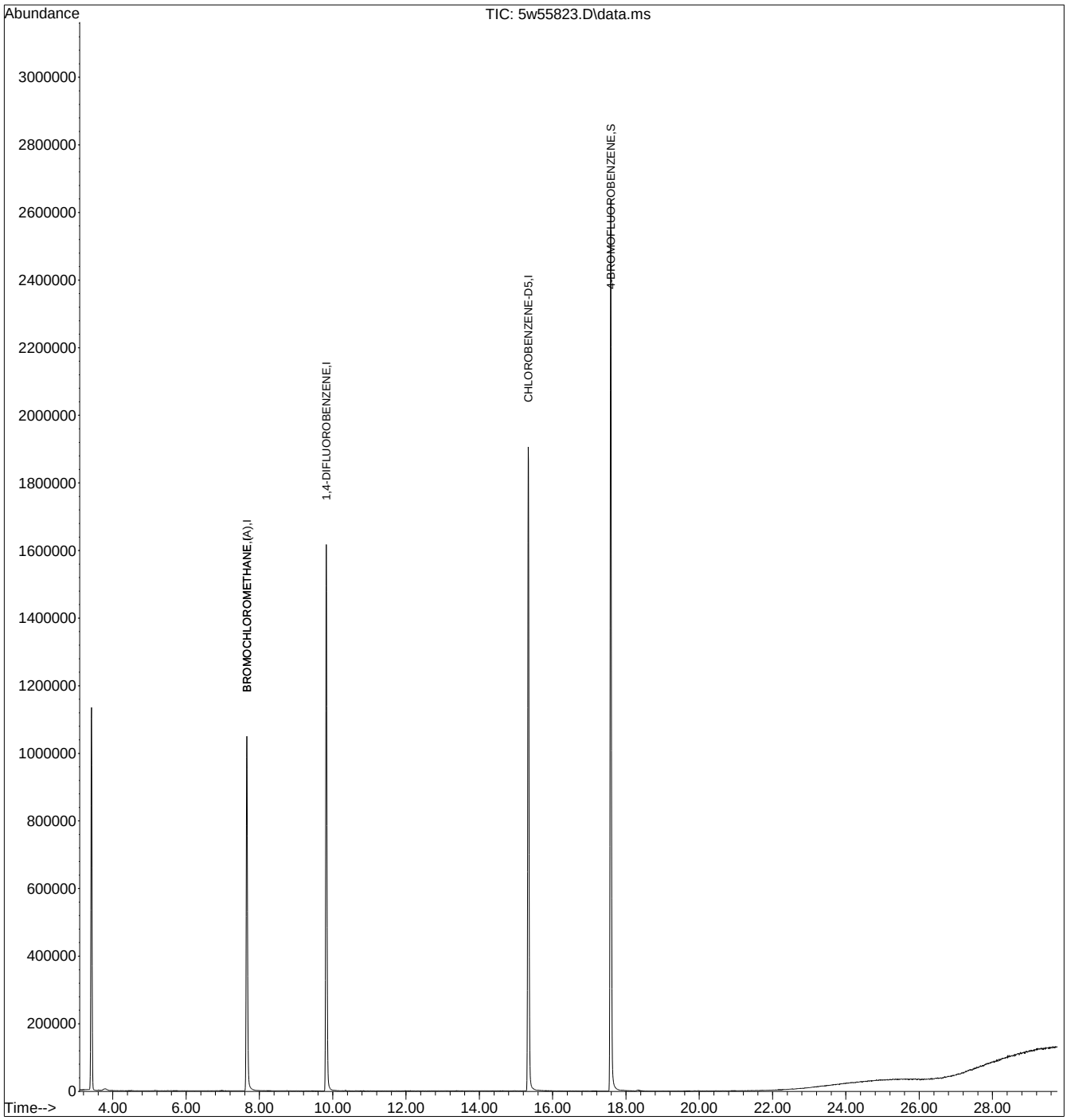
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 311710 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1493158 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 781178 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 311710 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 951244 | 10.88 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.80% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09952.d
Acq On : 25 Oct 2024 2:04 pm
Operator : thomash
Sample : mb Inst : MS7W
Misc : MS86396,v7w369,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 10:45:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

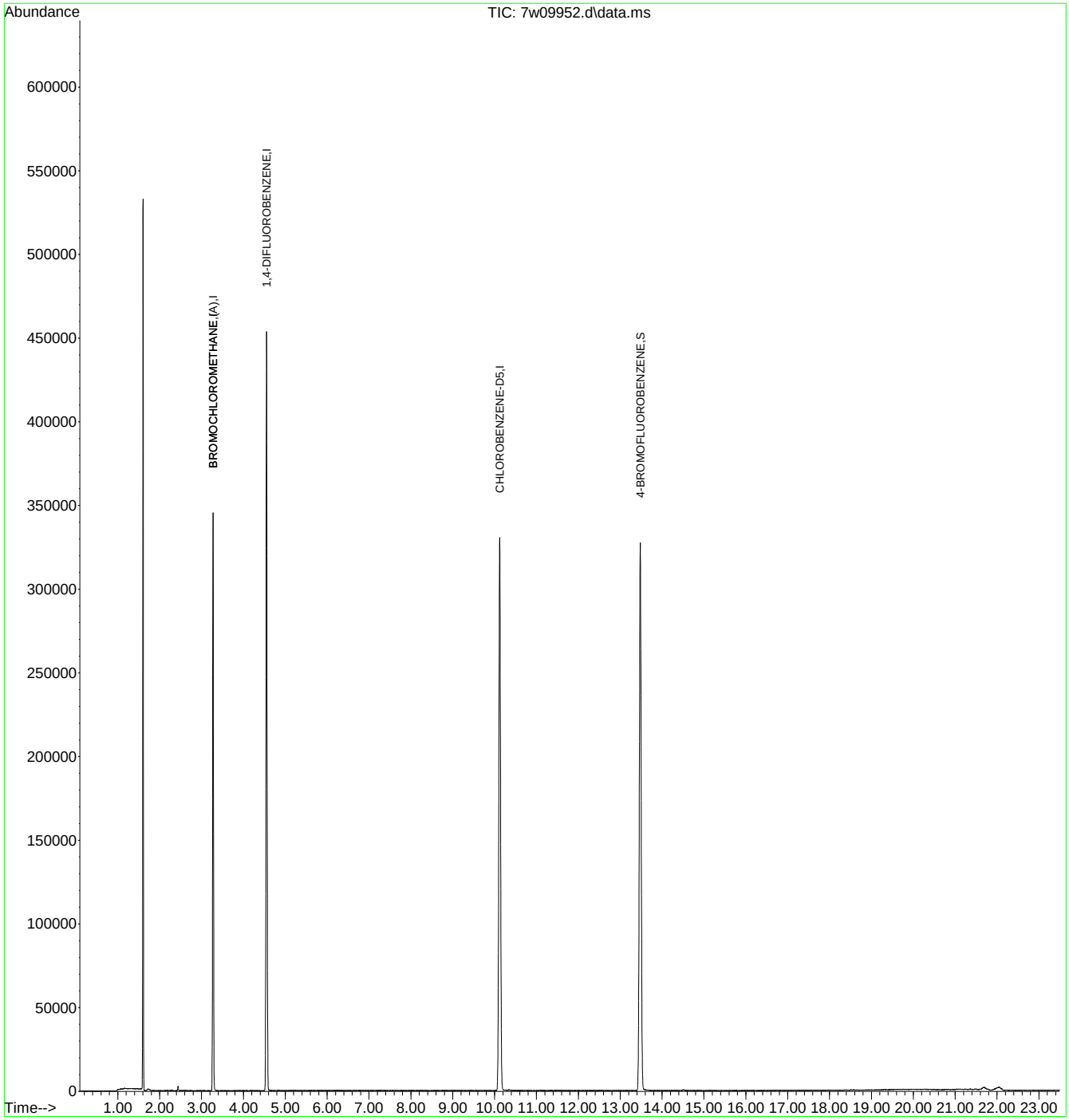
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 67262 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 342565 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 304568 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 67262 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 212682 | 9.52 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09952.d
Acq On : 25 Oct 2024 2:04 pm
Operator : thomash
Sample : mb Inst : MS7W
Misc : MS86396,v7w369,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 28 10:45:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327182 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 306459 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 198631 | 8.84 | PPBV | 0.00 |

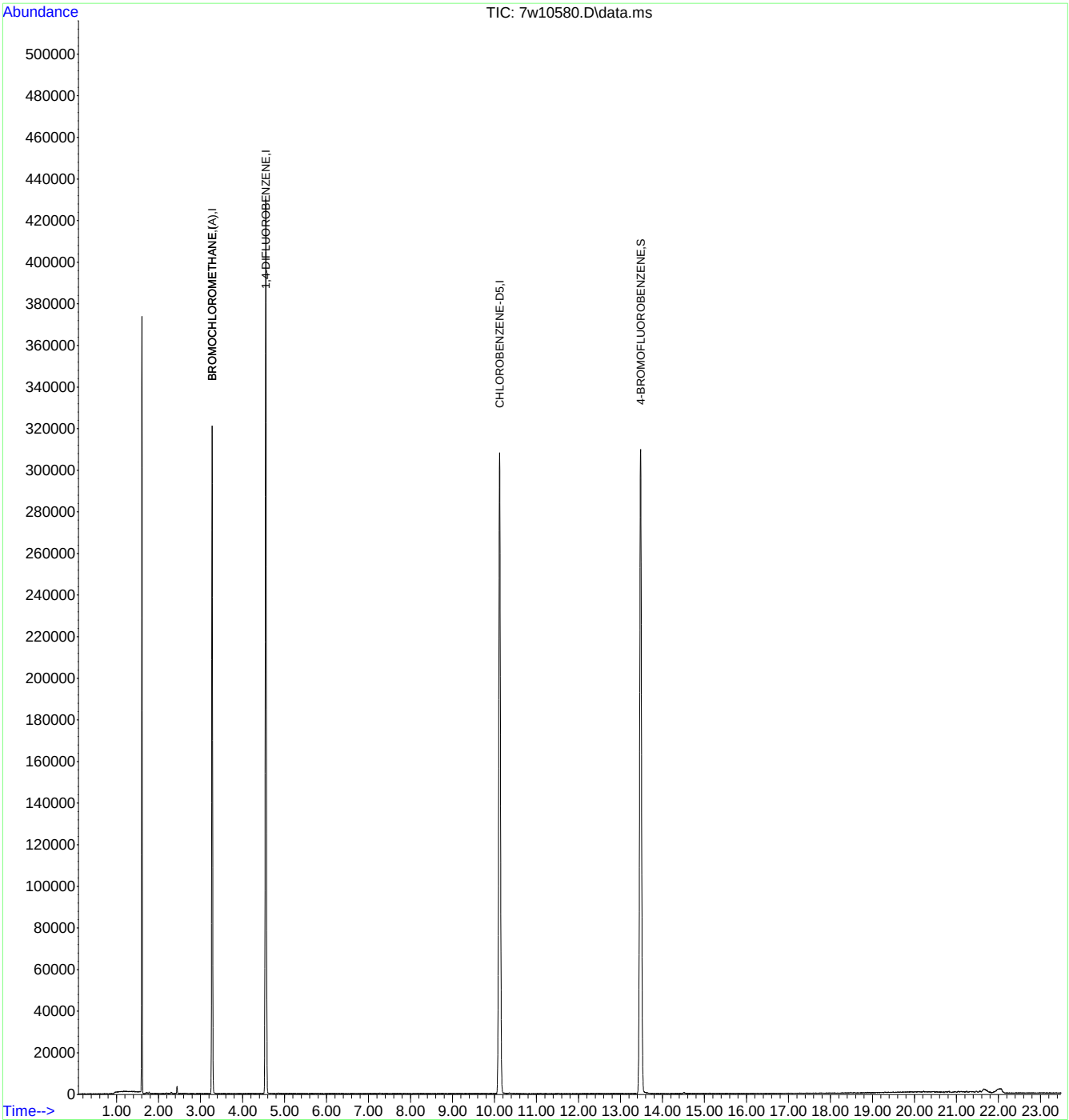
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

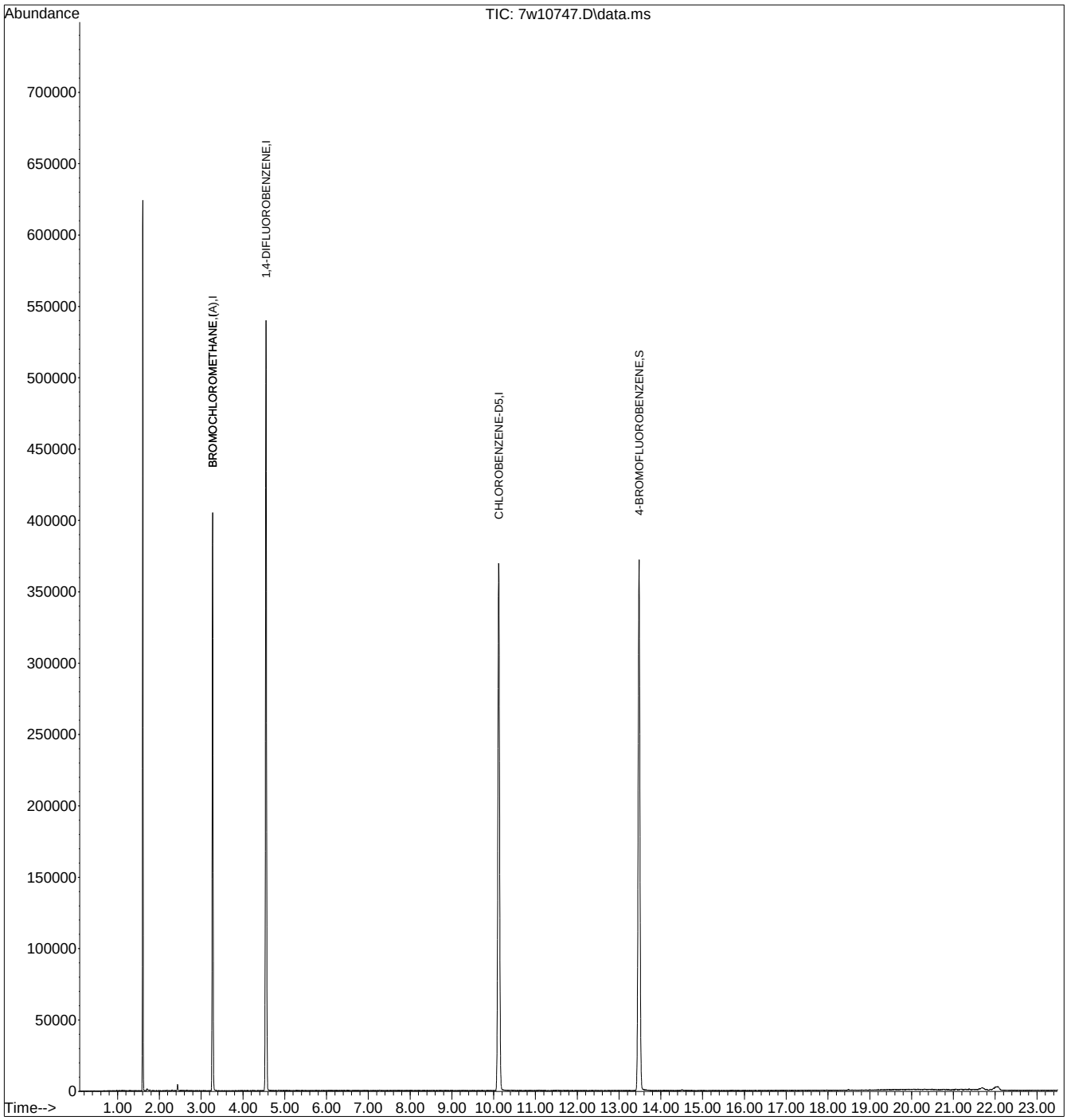
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 407451 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 332375 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 229102 | 9.40 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 349857 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1633756 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 962940 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 349857 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1093279 | 10.15 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 668446 | 13.9579 | PPBV | | 96 |
| 3) FREON 152A | 3.540 | 65 | 334393 | 12.9188 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 167162 | 12.4548 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 693274 | 11.4443 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1525866 | 11.9346 | PPBV | | 99 |
| 7) PROPYLENE | 3.595 | 41 | 400344 | 12.4328 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1228092 | 9.3800 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1400695 | 8.9315 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.766 | 52 | 129999 | 7.8848 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 443987 | 7.6473 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 286476 | 7.3527 | PPBV | # | 82 |
| 13) n-BUTANE | 4.060 | 43 | 581553 | 7.7808 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 463147 | 7.5706 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 196810 | 7.4182 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1056181 | 8.0537 | PPBV | | 98 |
| 17) ACETONITRILE | 4.610 | 41 | 320467 | 7.4229 | PPBV | | 98 |
| 18) ACROLEIN | 4.708 | 56 | 148968 | 7.9018 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1088425 | 8.2464 | PPBV | | 99 |
| 20) FREON 123A | 4.769 | 117 | 603546 | 8.5999 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1293637 | 10.9490 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 831155 | 11.1027 | PPBV | | 99 |
| 23) ACETONE | 4.812 | 58 | 168768 | 5.9810 | PPBV | # | 76 |
| 24) PENTANE | 5.222 | 42 | 454972 | 12.2343 | PPBV | | 98 |
| 25) IODOMETHANE | 5.412 | 142 | 1294788 | 13.1364 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 432726 | 11.8167 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1321614 | 12.4743 | PPBV | | 99 |
| 28) ETHANOL | 4.445 | 45 | 202750 | 7.3899 | PPBV | | 97 |
| 29) BROMOETHENE | 4.610 | 106 | 439306 | 8.4294 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 270767 | 9.2375 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 404329 | 11.0187 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 220115 | 13.0088 | PPBV | | 98 |
| 33) FREON 113 | 5.809 | 151 | 798279 | 13.1117 | PPBV | | 87 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 456547 | 11.7979 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 822785 | 11.6839 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1330725 | 13.4163 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 216466 | 14.2566 | PPBV | | 100 |
| 38) HEXANE | 7.694 | 57 | 662491 | 12.0855 | PPBV | | 96 |
| 39) VINYL ACETATE | 6.800 | 86 | 83207 | 13.2800 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 873079 | 12.1394 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 224723 | 14.8080 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 488762 | 12.1723 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 199164 | 11.9607 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.742 | 61 | 150677 | 13.4595 | PPBV | # | 99 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 847729 | 12.7210 | PPBV | | 99 |
| 46) CHLOROFORM | 7.804 | 83 | 1104554 | 12.2986 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 775642 | 12.9382 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1114918 | 12.2259 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1197111 | 12.4207 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 743486 | 12.7274 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1466428 | 12.3836 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 572471 | 12.8696 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 306384 | 12.7574 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 675373 | 10.8184 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 544941 | 10.8418 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 840847 | 13.7592 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1048650 | 13.2257 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1271551 | 11.6639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2088781 | 11.6157 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 319854 | 11.5987 | PPBV | # | 66 |
| 62) | HEPTANE | 11.022 | 43 | 798745 | 12.7171 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 528775 | 13.4318 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 414066 | 12.3733 | PPBV | | 89 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 983544 | 12.8812 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 982519 | 11.8624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 889736 | 12.2103 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 892331 | 12.6969 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 577507 | 11.5421 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 593592 | 13.0673 | PPBV | | 89 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 903808 | 13.5888 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 827102 | 13.1502 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1193816 | 11.6729 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1016432 | 11.9855 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1146209 | 13.5519 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 775629 | 10.9840 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1336362 | 10.7803 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2245025 | 12.6458 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1611726 | 23.9260 | PPBV | | 99 |
| 81) | o-XYLENE | 16.895 | 106 | 775717 | 11.8632 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1254605 | 13.3772 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1181678 | 13.3878 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1640813 | 15.6809 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1481393 | 11.2709 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1103313 | 11.6258 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2333158 | 11.5312 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1298672 | 11.3642 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 584497 | 11.5299 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 617219 | 12.0329 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2366258 | 12.6713 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1966548 | 12.3223 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 957803 | 11.1181 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 397102 | 11.3966 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2041507 | 12.1921 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1500735 | 11.3825 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1999548 | 11.1256 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1504333 | 12.2209 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 488396 | 11.7480 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2033388 | 11.9568 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 552369 | 11.3052 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1399709 | 11.6948 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 551932 | 12.2801 | PPBV | | 94 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 1028540 | 12.2764 | PPBV | # | 77 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 2083553 | 18.5041 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1784426 | 16.7328 | PPBV | | 94 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2875261 | 12.2830 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2905168 | 10.6072 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

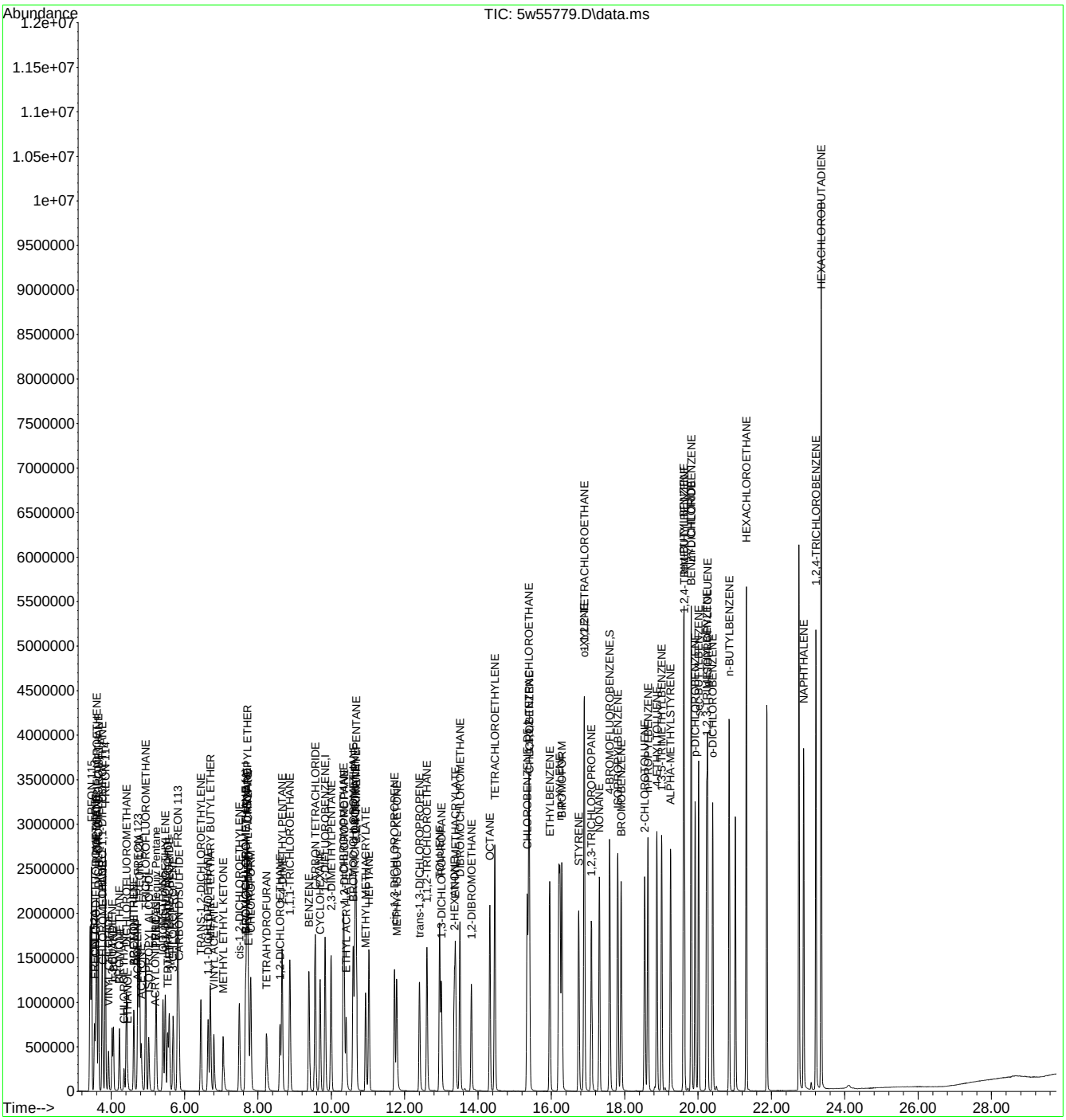
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 369460 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1679765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 969387 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 369460 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1076805 | 9.93 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.30% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 652179 | 12.8956 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 330096 | 12.0761 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 165064 | 11.6459 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 680233 | 10.6332 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1512526 | 11.2025 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 393441 | 11.5701 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1215798 | 8.7934 | PPBV | | 99 |
| 9) FREON 114 | 3.845 | 85 | 1400828 | 8.4584 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 129040 | 7.4113 | PPBV | # | 66 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 444406 | 7.2483 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 286639 | 6.9665 | PPBV | | 83 |
| 13) n-BUTANE | 4.066 | 43 | 569571 | 7.2162 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 463485 | 7.1741 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 195048 | 6.9617 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1046503 | 7.5565 | PPBV | | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 311756 | 6.8380 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 147358 | 7.4017 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1087109 | 7.7994 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 602804 | 8.1336 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1341767 | 10.7538 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 872525 | 11.0369 | PPBV | | 100 |
| 23) ACETONE | 4.818 | 58 | 174504 | 5.8562 | PPBV | # | 81 |
| 24) PENTANE | 5.228 | 42 | 475533 | 12.1087 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1422146 | 13.6629 | PPBV | | 92 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 468088 | 12.1042 | PPBV | | 96 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1408204 | 12.5864 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 193277 | 6.6708 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 440847 | 8.0102 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 288473 | 9.3193 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 433740 | 11.1930 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 234311 | 13.1131 | PPBV | | 95 |
| 33) FREON 113 | 5.815 | 151 | 856373 | 13.3195 | PPBV | | 86 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 483767 | 11.8380 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 857174 | 11.5264 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1396778 | 13.3351 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 224810 | 14.0206 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 691663 | 11.9482 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.800 | 86 | 91003 | 13.7536 | PPBV | # | 86 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 898409 | 11.8288 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 237750 | 14.8352 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 513245 | 12.1038 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 207810 | 11.8178 | PPBV | | 93 |
| 44) ETHYL ACETATE | 7.749 | 61 | 159126 | 13.4600 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 877087 | 12.4632 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1144043 | 12.0624 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 806062 | 12.7323 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1140597 | 11.8439 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1232433 | 12.1088 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 750596 | 12.1674 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1524034 | 12.5175 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 601732 | 13.1569 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 318311 | 12.8910 | PPBV | | 92 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 697398 | 10.8652 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 553647 | 10.7133 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 878899 | 13.9880 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1076397 | 13.2038 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1302635 | 11.6218 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2159376 | 11.6794 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 332292 | 11.7197 | PPBV | | 95 |
| 62) | HEPTANE | 11.028 | 43 | 812411 | 12.5804 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 547979 | 13.5383 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 433216 | 12.5909 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 1013809 | 12.9139 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 1007513 | 11.8309 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 906658 | 12.1017 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 913108 | 12.6367 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 595375 | 11.5733 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 614674 | 13.4414 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 929643 | 13.8842 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 847441 | 13.3840 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1236879 | 12.0136 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1042952 | 12.2164 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1171200 | 13.7553 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 785180 | 11.0453 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1362723 | 10.9199 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2284677 | 12.7835 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1642770 | 24.2247 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 782182 | 11.8825 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1268317 | 13.4334 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1183154 | 13.3154 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 1672241 | 15.8749 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1494937 | 11.2983 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1110452 | 11.6232 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2329406 | 11.4361 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1293238 | 11.2414 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 574317 | 11.2537 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 610319 | 11.8192 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2332909 | 12.4097 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1934586 | 12.0414 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 930336 | 10.7275 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 389480 | 11.1035 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2006133 | 11.9012 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1467435 | 11.0560 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1973103 | 10.9055 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1461296 | 11.7924 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 471924 | 11.2763 | PPBV | | 95 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1961083 | 11.4549 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 537464 | 10.9270 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1348451 | 11.1916 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525823 | 11.6214 | PPBV | | 92 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 997211 | 11.8233 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1925601 | 16.9876 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1612506 | 15.0202 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2659668 | 11.2864 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 3050934 | 10.5484 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

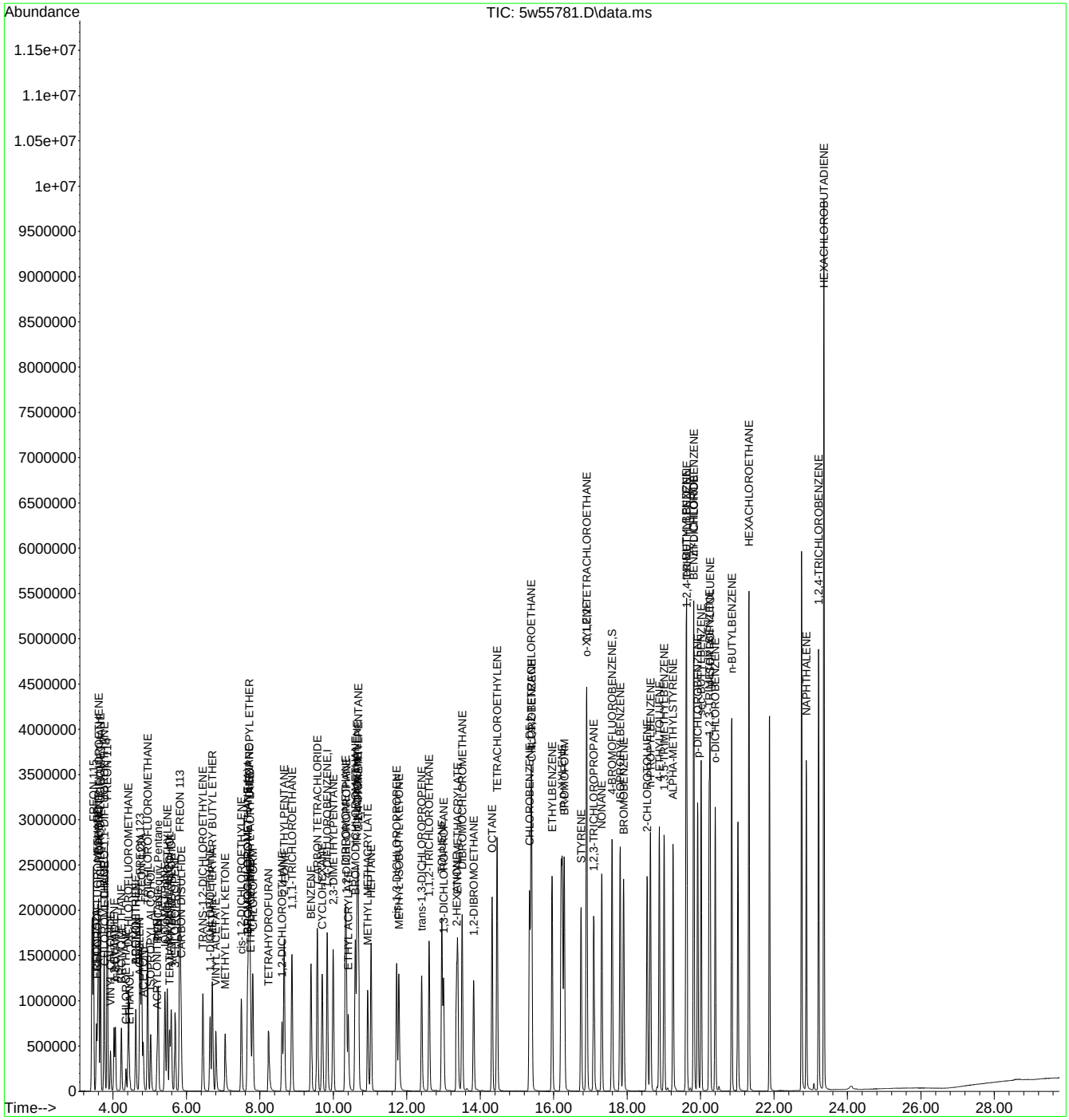
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 261510 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1220164 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 739045 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 261510 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 836030 | 10.11 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 435542 | 12.1670 | PPBV | | 92 |
| 3) FREON 152A | 3.546 | 65 | 206251 | 10.6601 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 115623 | 11.5251 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 448626 | 9.9077 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1068770 | 11.1835 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 255077 | 10.5976 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1110212 | 11.3443 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1395849 | 11.9075 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 121755 | 9.8796 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 474344 | 10.9303 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 314422 | 10.7962 | PPBV | | 90 |
| 13) n-BUTANE | 4.059 | 43 | 614499 | 10.9991 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 473815 | 10.3614 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209045 | 10.5413 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1075661 | 10.9733 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 337949 | 10.4724 | PPBV | | 99 |
| 18) ACROLEIN | 4.708 | 56 | 158913 | 11.2771 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1099754 | 11.1472 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 583898 | 11.1307 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 979961 | 11.0962 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 584169 | 10.4397 | PPBV | | 99 |
| 23) ACETONE | 4.818 | 58 | 174923 | 8.2934 | PPBV | | 93 |
| 24) PENTANE | 5.228 | 42 | 305706 | 10.9976 | PPBV | | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 929996 | 12.6229 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 295468 | 10.7944 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 900076 | 11.3656 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 219548 | 10.7055 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 436004 | 11.1924 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.197 | 52 | 184650 | 8.4277 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 280229 | 10.2167 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 146539 | 11.5863 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 584172 | 12.8365 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 304959 | 10.5430 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 575995 | 10.9427 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 907918 | 12.2460 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 145513 | 12.8213 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 454860 | 11.1011 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 55543 | 11.8596 | PPBV | | 95 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 591602 | 11.0046 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 152312 | 13.4272 | PPBV | | 96 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 329425 | 10.9757 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 142775 | 11.4710 | PPBV | | 95 |
| 44) ETHYL ACETATE | 7.742 | 61 | 102628 | 12.2645 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 584502 | 11.7341 | PPBV | | 99 |
| 46) CHLOROFORM | 7.803 | 83 | 767097 | 11.4267 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 522441 | 11.6588 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 768664 | 11.2766 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 826856 | 11.4774 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 528775 | 12.1099 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 999972 | 11.3069 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 395809 | 11.9143 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 209669 | 11.6896 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 479539 | 10.2852 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 379577 | 10.1116 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 613084 | 13.4328 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.403 | 55 | 713058 | 12.0415 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 902814 | 11.0886 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1456334 | 10.8438 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.660 | 88 | 226125 | 10.9793 | PPBV | # | 75 |
| 62) | HEPTANE | 11.021 | 43 | 559547 | 11.9285 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 370058 | 12.5864 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 295122 | 11.8083 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 683916 | 11.9931 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 684307 | 11.0624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.997 | 76 | 618417 | 11.3636 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622875 | 11.8671 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 407784 | 10.9126 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429260 | 12.3125 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646480 | 12.6645 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 624535 | 12.9377 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 853319 | 10.8713 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 711606 | 10.9331 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 816104 | 12.5722 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 546604 | 10.0857 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 943953 | 9.9217 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1578139 | 11.5824 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1160738 | 22.4513 | PPBV | | 97 |
| 81) | o-XYLENE | 16.894 | 106 | 570900 | 11.3759 | PPBV | | 97 |
| 82) | STYRENE | 16.748 | 104 | 881254 | 12.2430 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 855635 | 12.6307 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1244331 | 15.4944 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1091266 | 10.8180 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 772534 | 10.6065 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1663712 | 10.7137 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.898 | 77 | 908292 | 10.3561 | PPBV | | 87 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 404822 | 10.4048 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 438991 | 11.1510 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.870 | 105 | 1699251 | 11.8562 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1427244 | 11.6524 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 689616 | 10.4302 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 310532 | 11.6120 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1559354 | 12.1339 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1162992 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1518557 | 11.0091 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1130128 | 11.9623 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 371490 | 11.6430 | PPBV | | 99 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1526287 | 11.6939 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432133 | 11.5238 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1057891 | 11.5166 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.846 | 134 | 421124 | 12.2083 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 797963 | 12.4097 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1735482 | 20.0822 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1444730 | 17.6517 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2169419 | 12.0753 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1999126 | 9.7650 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

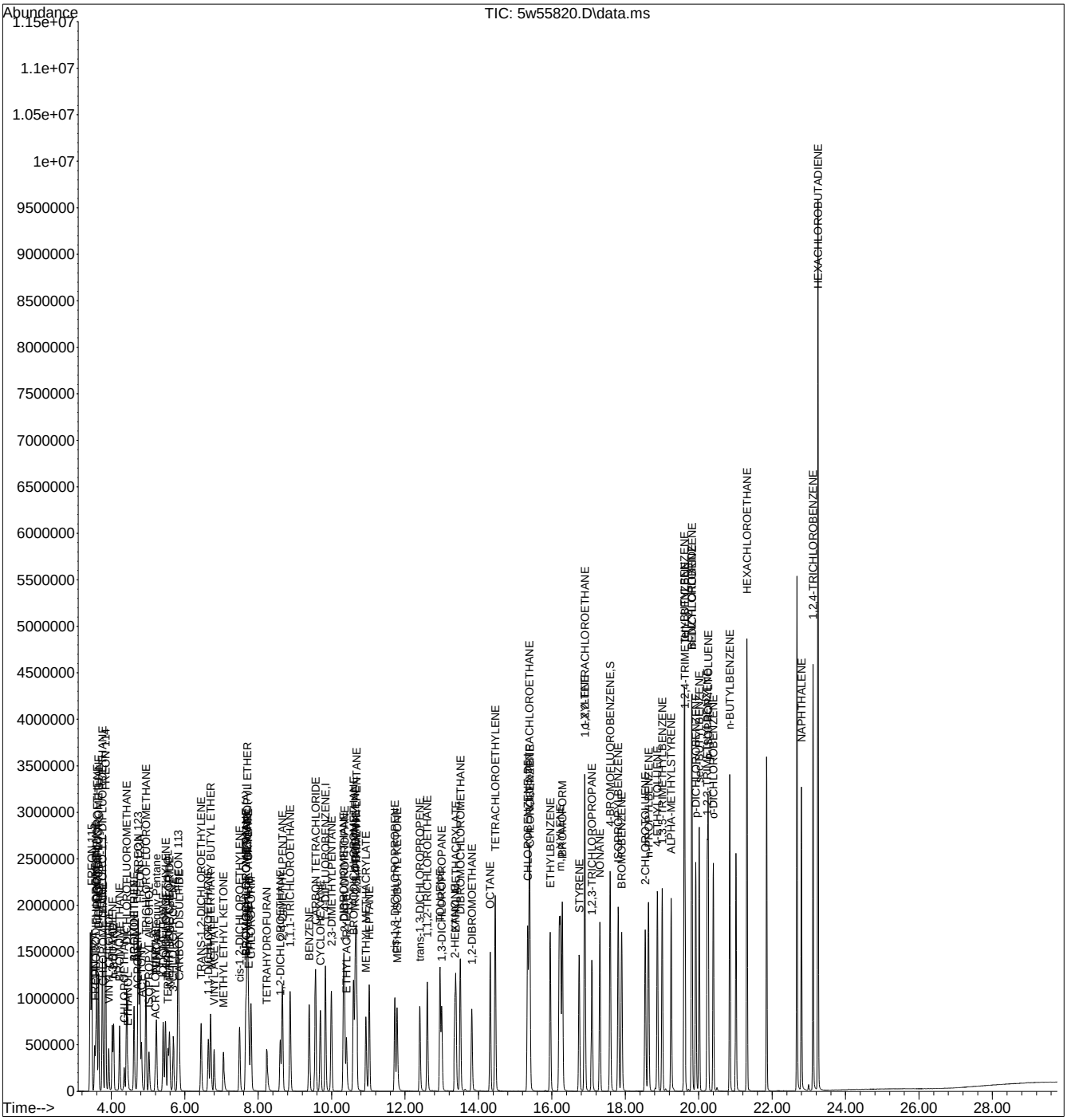
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260595 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1218483 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 736456 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260595 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 821814 | 9.97 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.70% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 449247 | 12.5939 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 217658 | 11.2892 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 120188 | 12.0222 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 469888 | 10.4137 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1112978 | 11.6870 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 264221 | 11.0160 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1147260 | 11.7641 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1434228 | 12.2779 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128640 | 10.4749 | PPBV | # | 85 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 488468 | 11.2953 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 323570 | 11.1494 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 634013 | 11.3883 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 482246 | 10.5828 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 214284 | 10.8434 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1100649 | 11.2676 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 348841 | 10.8478 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 160344 | 11.4186 | PPBV | | 98 |
| 19) FREON 123 | 4.733 | 83 | 1129119 | 11.4850 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 597237 | 11.4250 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1007977 | 11.4535 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 602862 | 10.8116 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 177842 | 8.4614 | PPBV | | 89 |
| 24) PENTANE | 5.228 | 42 | 318079 | 11.4829 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 940571 | 12.8113 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 301140 | 11.0402 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 918708 | 11.6416 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 231068 | 11.3068 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 443163 | 11.4161 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 188676 | 8.6417 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 282870 | 10.3492 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 151425 | 12.0146 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 593594 | 13.0893 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 309546 | 10.7391 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 588972 | 11.2285 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 924243 | 12.5099 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 148865 | 13.1627 | PPBV | | 98 |
| 38) HEXANE | 7.700 | 57 | 464407 | 11.3739 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 57228 | 12.2623 | PPBV | | 98 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 606542 | 11.3221 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153117 | 13.5456 | PPBV | | 91 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 334930 | 11.1983 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 146643 | 11.8231 | PPBV | | 96 |
| 44) ETHYL ACETATE | 7.742 | 61 | 105256 | 12.6227 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 594885 | 11.9845 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 776162 | 11.6023 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 531550 | 11.9037 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 780498 | 11.4904 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 837796 | 11.6701 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 539227 | 12.3926 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003786 | 11.3656 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 399516 | 12.0424 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 210768 | 11.7671 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 486023 | 10.4386 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 386594 | 10.3128 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 618370 | 13.5673 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 724833 | 12.2573 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 912837 | 11.2272 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1481841 | 11.0490 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 230304 | 11.1977 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 571625 | 12.2028 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 373765 | 12.7300 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 300871 | 12.0549 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 694724 | 12.1995 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 695165 | 11.2535 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 626759 | 11.5328 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 629861 | 12.0167 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 408547 | 10.9481 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 433718 | 12.4841 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 649699 | 12.7723 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628041 | 13.0561 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 864792 | 11.0562 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 720274 | 11.1052 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 827456 | 12.7918 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 554894 | 10.2747 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 957513 | 10.0996 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1595928 | 11.7541 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1172853 | 22.7654 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 573106 | 11.4600 | PPBV | | 97 |
| 82) | STYRENE | 16.742 | 104 | 890827 | 12.4195 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 870573 | 12.8964 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1256261 | 15.6980 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1106434 | 11.0070 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 776868 | 10.7035 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1675508 | 10.8276 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 921247 | 10.5407 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 406945 | 10.4962 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 439908 | 11.2136 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.871 | 105 | 1717986 | 12.0291 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1441798 | 11.8126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 698121 | 10.5959 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.605 | 134 | 309708 | 11.6219 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1577032 | 12.3146 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1174475 | 11.6475 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1538320 | 11.1916 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1146194 | 12.1751 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 375367 | 11.8059 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1540403 | 11.8435 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 438132 | 11.7248 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1074336 | 11.7368 | PPBV | | 95 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 428450 | 12.4643 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 806422 | 12.5853 | PPBV | # | 74 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1781369 | 20.6856 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1458721 | 17.8853 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2203206 | 12.3065 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2091566 | 10.2524 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

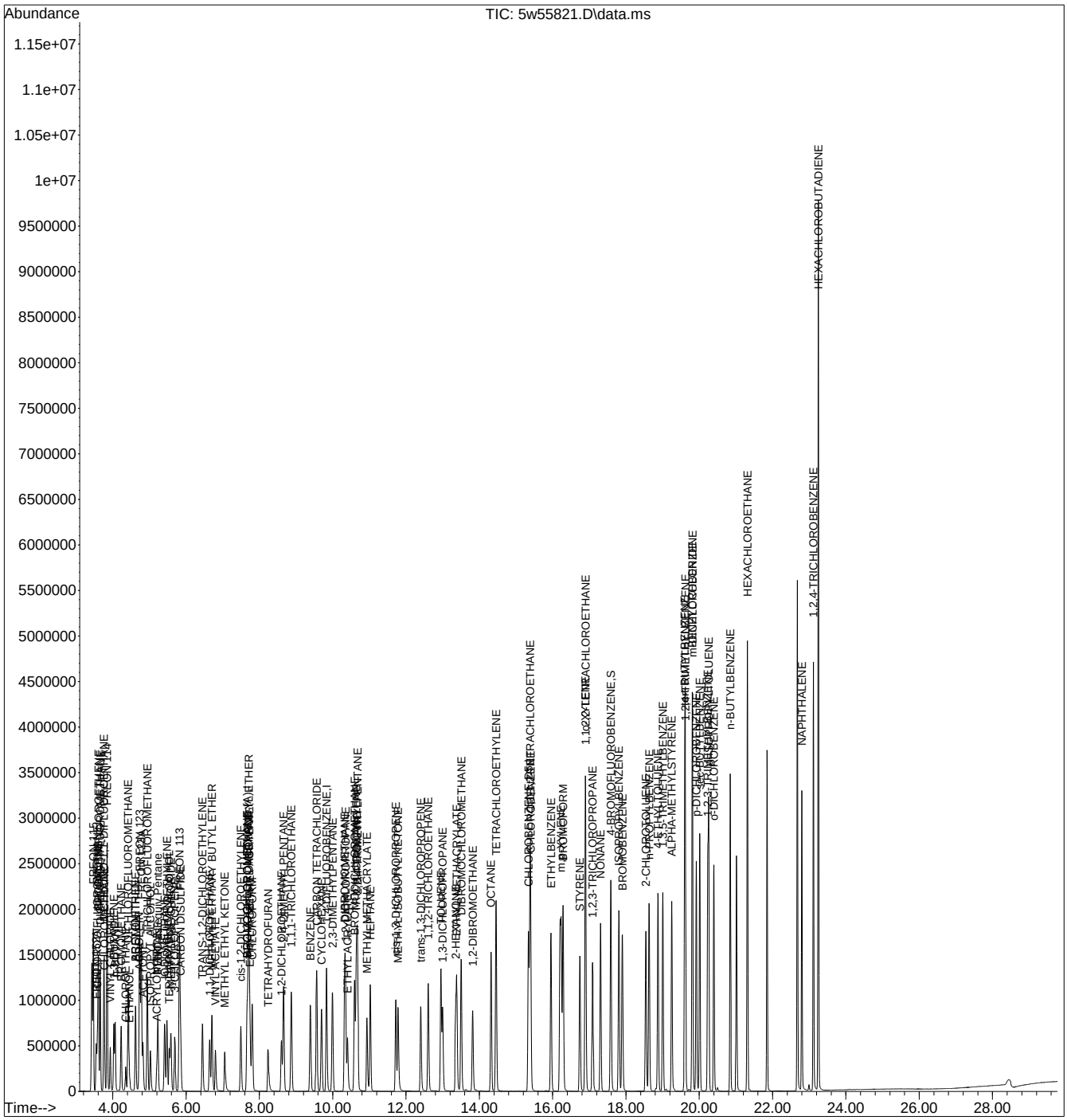
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 65800 | 10.00 | PPBV | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 343299 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 311820 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 65800 | 10.00 | PPBV | 0.01 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 217640 | 9.51 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 114783 | 13.6020 | PPBV | 96 |
| 3) FREON 152A | 1.653 | 65 | 60462 | 13.2726 | PPBV | 87 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 24145 | 10.9910 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 127135 | 11.9075 | PPBV | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 262233 | 9.9386 | PPBV | 97 |
| 7) PROPYLENE | 1.673 | 41 | 75980 | 12.0520 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 187778 | 8.5001 | PPBV | 96 |
| 9) FREON 114 | 1.766 | 85 | 224683 | 10.0106 | PPBV | 99 |
| 10) CHLOROMETHANE | 1.737 | 52 | 30285 | 8.8617 | PPBV | 96 |
| 11) VINYL CHLORIDE | 1.801 | 62 | 107758 | 10.2553 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.840 | 54 | 86525 | 10.1286 | PPBV | 90 |
| 13) N-BUTANE | 1.856 | 43 | 153593 | 9.8452 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 78132 | 9.2989 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 55039 | 10.2276 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 202830 | 9.8619 | PPBV | 98 |
| 17) ACETONITRILE | 2.062 | 41 | 92711 | 9.0756 | PPBV | 99 |
| 18) ACROLEIN | 2.100 | 56 | 50461 | 9.8392 | PPBV | 97 |
| 19) FREON 123 | 2.113 | 83 | 204960 | 9.8071 | PPBV | 97 |
| 20) FREON 123A | 2.129 | 117 | 120423 | 10.0450 | PPBV | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 213672 | 9.0305 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 203680 | 9.1392 | PPBV | 97 |
| 23) ACETONE | 2.139 | 58 | 57820 | 9.5199 | PPBV | 74 |
| 24) PENTANE | 2.312 | 42 | 112570 | 9.9438 | PPBV | 94 |
| 25) IODOMETHANE | 2.373 | 142 | 206548 | 10.1200 | PPBV | 92 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84227 | 9.5661 | PPBV | 100 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 238450 | 9.2929 | PPBV | 93 |
| 28) ETHANOL | 1.997 | 45 | 64962 | 10.6680 | PPBV | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 80397 | 10.0053 | PPBV | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 81981 | 9.9242 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 77926 | 8.5993 | PPBV | 91 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 43371 | 9.3532 | PPBV | 80 |
| 33) FREON 113 | 2.534 | 151 | 123825 | 8.9363 | PPBV | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 92746 | 10.8007 | PPBV | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 190066 | 8.8848 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 250053 | 11.5903 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 49034 | 11.9277 | PPBV | 93 |
| 38) HEXANE | 3.325 | 57 | 194887 | 10.8520 | PPBV | 90 |
| 39) VINYL ACETATE | 2.907 | 86 | 22243 | 11.3255 | PPBV | 82 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 192904 | 12.0556 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 52107 | 11.9067 | PPBV | 88 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 99621 | 10.9393 | PPBV | 98 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 54962 | 11.7618 | PPBV | 86 |
| 44) ETHYL ACETATE | 3.335 | 61 | 39348 | 11.4650 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 228920 | 11.6377 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 193881 | 10.5269 | PPBV | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 225007 | 11.7128 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 188056 | 11.2167 | PPBV | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 195413 | 11.8740 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 143670 | 10.2855 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 310813 | 11.4671 | PPBV | | 94 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 135978 | 11.2145 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 72547 | 11.6835 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 134924 | 10.2617 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 131565 | 11.2480 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 121426 | 11.0055 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 273313 | 10.8847 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 214235 | 10.6176 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 603049 | 10.8523 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 75701 | 10.5198 | PPBV | # | 96 |
| 62) | HEPTANE | 5.537 | 43 | 198959 | 10.1991 | PPBV | | 93 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 122024 | 11.6194 | PPBV | | 87 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 120973 | 10.0737 | PPBV | | 86 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 181182 | 12.0868 | PPBV | | 84 |
| 66) | TOLUENE | 7.267 | 91 | 380369 | 10.4136 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 189873 | 10.5805 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 146904 | 11.9470 | PPBV | # | 83 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 111290 | 11.1443 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.849 | 58 | 172474 | 9.4105 | PPBV | | 84 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 200438 | 11.5413 | PPBV | | 89 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 148250 | 11.3592 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 212732 | 11.1201 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 201609 | 11.4600 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 276621 | 9.4268 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 155380 | 11.6187 | PPBV | | 92 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 304938 | 10.1025 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 504507 | 10.1965 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.511 | 91 | 768351 | 19.6596 | PPBV | | 99 |
| 81) | O-XYLENE | 12.444 | 91 | 393574 | 10.0303 | PPBV | | 99 |
| 82) | STYRENE | 12.228 | 104 | 312390 | 11.0035 | PPBV | | 97 |
| 83) | NONANE | 13.566 | 43 | 289042 | 9.3143 | PPBV | | 90 |
| 84) | BROMOFORM | 11.318 | 173 | 202178 | 11.9150 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 296494 | 10.7278 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 226775 | 10.1605 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 152285 | 10.2463 | PPBV | | 92 |
| 89) | BROMOBENZENE | 13.823 | 77 | 277452 | 9.8677 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 136599 | 10.0255 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 160113 | 10.4623 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 575949 | 10.6297 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 471165 | 10.3349 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 245460 | 10.1327 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 115489 | 10.5898 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 486847 | 10.2189 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 282373 | 20.3678 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 333300 | 10.4829 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 338075 | 10.7207 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 317176 | 10.4168 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 144191 | 10.5052 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.994 | 105 | 473761 | 9.8221 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 158852 | 10.3716 | PPBV | | 92 |
| 104) | N-BUTYLBENZENE | 17.428 | 134 | 157279 | 10.3454 | PPBV | | 90 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 177587 | 12.0364 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 247395 | 10.8142 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 326953 | 10.7268 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 750625 | 9.4261 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 532994 | 9.3326 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

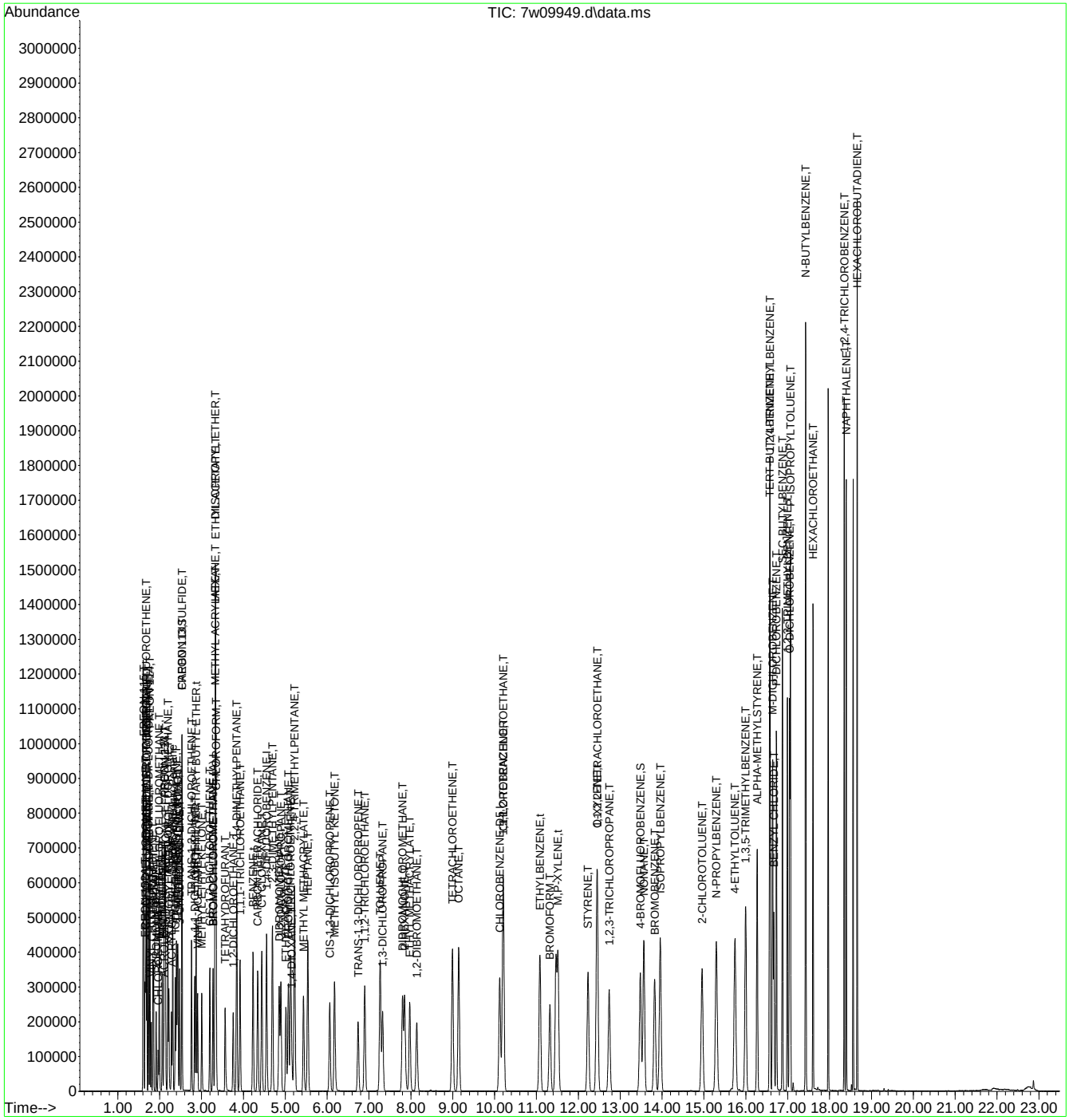
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09949.d
Acq On : 25 Oct 2024 12:02 pm
Operator : thomash
Sample : bs Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:50 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/24 10:31

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 64745 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327249 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 301996 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 64745 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 213176 | 9.62 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 97426 | 11.7333 | PPBV | | 96 |
| 3) FREON 152A | 1.650 | 65 | 59790 | 13.3389 | PPBV | | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 23476 | 10.8606 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126529 | 12.0439 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258960 | 9.9745 | PPBV | | 96 |
| 7) PROPYLENE | 1.672 | 41 | 75893 | 12.2344 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 184886 | 8.5056 | PPBV | | 95 |
| 9) FREON 114 | 1.766 | 85 | 221578 | 10.0331 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.737 | 52 | 30186 | 8.9767 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 105855 | 10.2384 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 85335 | 10.1520 | PPBV | | 90 |
| 13) N-BUTANE | 1.852 | 43 | 153209 | 9.9807 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 77236 | 9.3421 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 54263 | 10.2477 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.987 | 67 | 198429 | 9.8051 | PPBV | | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 92641 | 9.2165 | PPBV | | 99 |
| 18) ACROLEIN | 2.097 | 56 | 49592 | 9.8273 | PPBV | | 100 |
| 19) FREON 123 | 2.110 | 83 | 202981 | 9.8707 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 118906 | 10.0801 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 211820 | 9.0981 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.216 | 45 | 201316 | 9.1803 | PPBV | | 97 |
| 23) ACETONE | 2.139 | 58 | 55825 | 9.3412 | PPBV | | 78 |
| 24) PENTANE | 2.309 | 42 | 111606 | 10.0193 | PPBV | | 93 |
| 25) IODOMETHANE | 2.370 | 142 | 203209 | 10.1186 | PPBV | | 92 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 83718 | 9.6633 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 234578m | 9.2910 | PPBV | | |
| 28) ETHANOL | 1.994 | 45 | 64484 | 10.7620 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 79869 | 10.1015 | PPBV | | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 81557 | 10.0338 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 2.434 | 84 | 76237 | 8.5500 | PPBV | | 92 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 42863 | 9.3943 | PPBV | | 79 |
| 33) FREON 113 | 2.531 | 151 | 124171 | 9.1073 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 92283 | 10.9219 | PPBV | | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 189224 | 8.9896 | PPBV | | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 249216 | 11.7397 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 48783 | 12.0600 | PPBV | | 89 |
| 38) HEXANE | 3.325 | 57 | 191667 | 10.8466 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 22469 | 11.6270 | PPBV | | 80 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 191560 | 12.1666 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 51215 | 11.8936 | PPBV | | 88 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 101828 | 11.3639 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 3.331 | 59 | 54750 | 11.9074 | PPBV | | 79 |
| 44) ETHYL ACETATE | 3.338 | 61 | 39550 | 11.7116 | PPBV | | 70 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 224303 | 11.5888 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 193223 | 10.6621 | PPBV | | 94 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 221294 | 11.7072 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 185571 | 11.2488 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 191169 | 11.8054 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 140693 | 10.2365 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 308862 | 11.5808 | PPBV | | 94 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 134952 | 11.6757 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 72544 | 12.2560 | PPBV | | 95 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 134951 | 10.7671 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 130978 | 11.7470 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 120779 | 11.4838 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 276042 | 11.5325 | PPBV | | 98 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 211808 | 11.0122 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 604071 | 11.4038 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 75111 | 10.9497 | PPBV | # | 96 |
| 62) | HEPTANE | 5.537 | 43 | 197076 | 10.5981 | PPBV | | 93 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 121197 | 12.1066 | PPBV | | 87 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 121269 | 10.5936 | PPBV | | 86 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 180973 | 12.6650 | PPBV | | 84 |
| 66) | TOLUENE | 7.267 | 91 | 378586 | 10.8731 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 188684 | 11.0299 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 147671 | 12.5984 | PPBV | # | 83 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 109935 | 11.5485 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 171912 | 9.8398 | PPBV | | 84 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 200253 | 12.0962 | PPBV | | 89 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 144885 | 11.6459 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 212503 | 11.6530 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 198757 | 11.8520 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 282112 | 10.0854 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 154932 | 11.9621 | PPBV | | 92 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 306394 | 10.4810 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 503435 | 10.5058 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.511 | 91 | 767972 | 20.2891 | PPBV | | 98 |
| 81) | O-XYLENE | 12.440 | 91 | 392342 | 10.3242 | PPBV | | 99 |
| 82) | STYRENE | 12.231 | 104 | 311709 | 11.3367 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 288035 | 9.5838 | PPBV | | 90 |
| 84) | BROMOFORM | 11.322 | 173 | 199314 | 12.1283 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 296703 | 11.0846 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.733 | 75 | 226203 | 10.4646 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 151772 | 10.5439 | PPBV | | 91 |
| 89) | BROMOBENZENE | 13.826 | 77 | 277922 | 10.2060 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 134170 | 10.1676 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 157281 | 10.6115 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 577461 | 11.0042 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 473504 | 10.7240 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 245694 | 10.4723 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 115027 | 10.8906 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 489602 | 10.6110 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 285686 | 21.2771 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 332469 | 10.7969 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 337074 | 11.0367 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 319125 | 10.8218 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 143736 | 10.8127 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 472905 | 10.1233 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 158848 | 10.7088 | PPBV | | 92 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 159420 | 10.8273 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 176425 | 12.3466 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 261835 | 11.8177 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 345542 | 11.7055 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 793408 | 10.2875 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.309 | TIC | 520758 | 9.2670 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

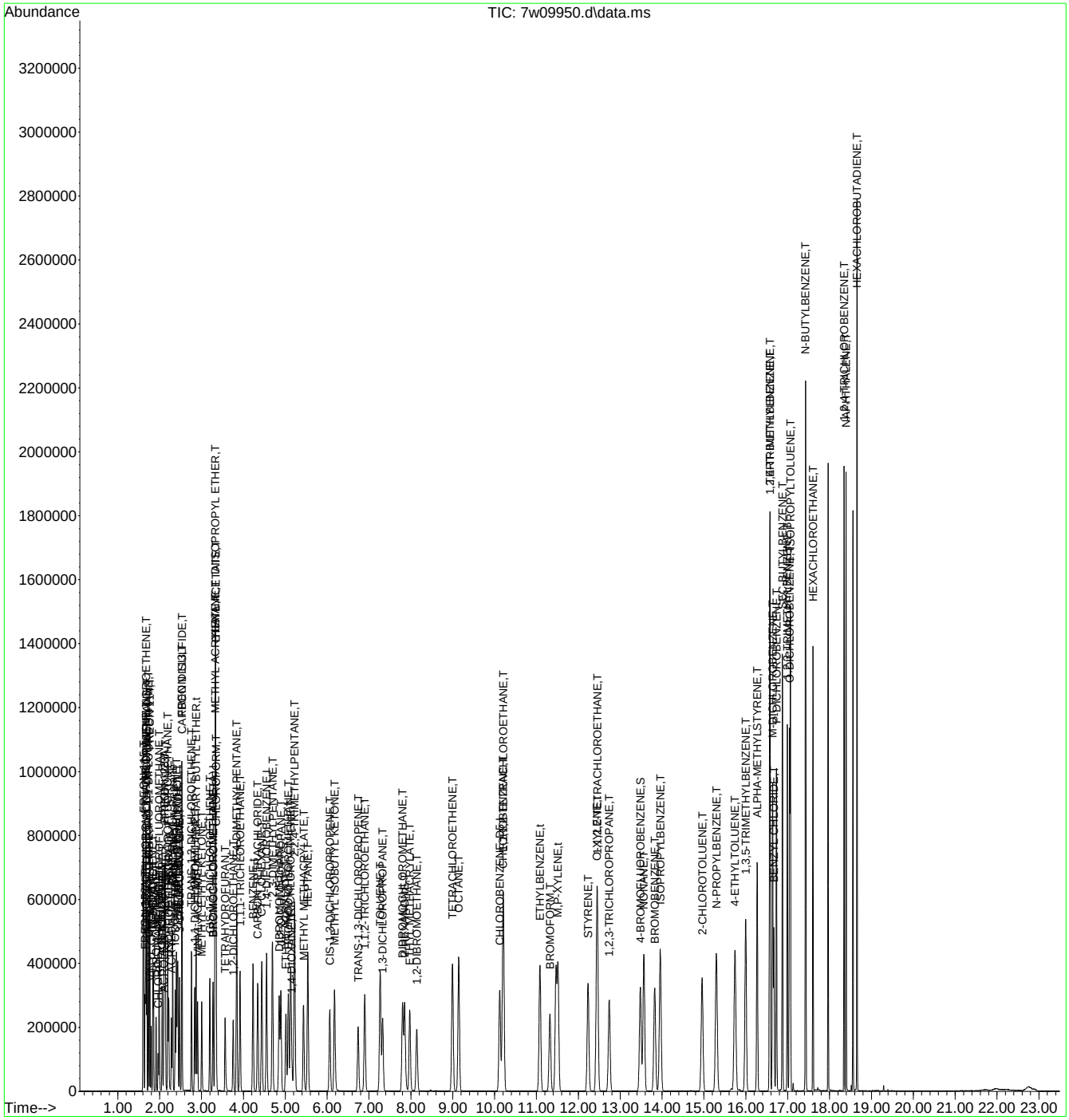
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:43:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




M7W305.M Mon Oct 28 13:21:44 2024 Page: 4

# Manual Integration Approval Summary



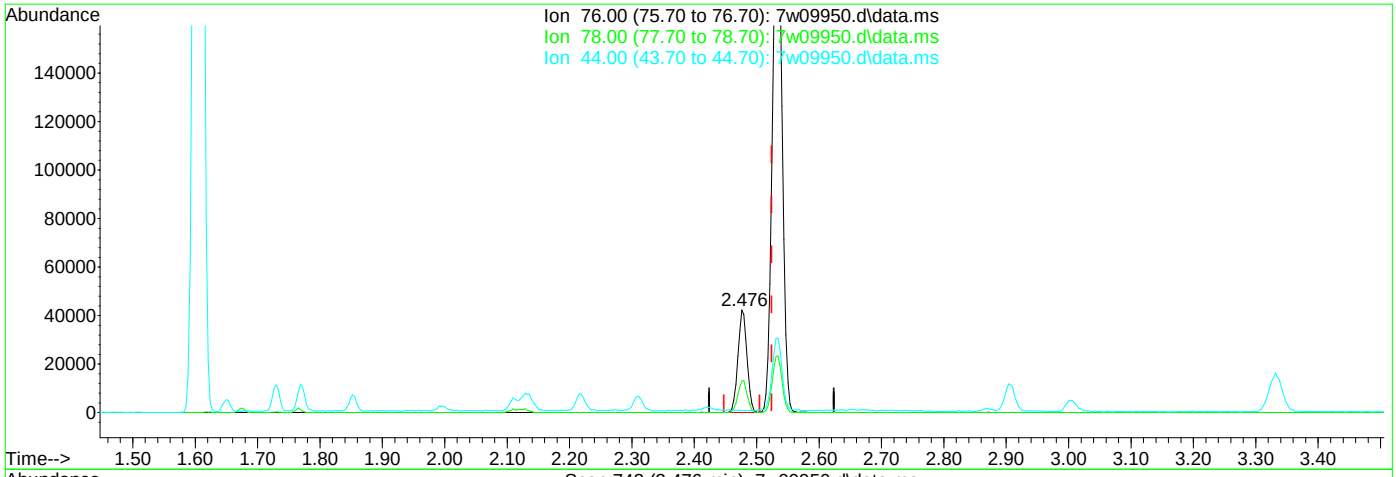
**Sample Number:** V7W369-BSD
**Lab FileID:** 7W09950.D
**Injection Time:** 10/25/24 12:38
**Method:** TO-15
**Analyst approved:** 10/28/24 09:30 Kristel Valladolid
**Supervisor approved:** 10/28/24 10:31 Kanya Veerawat

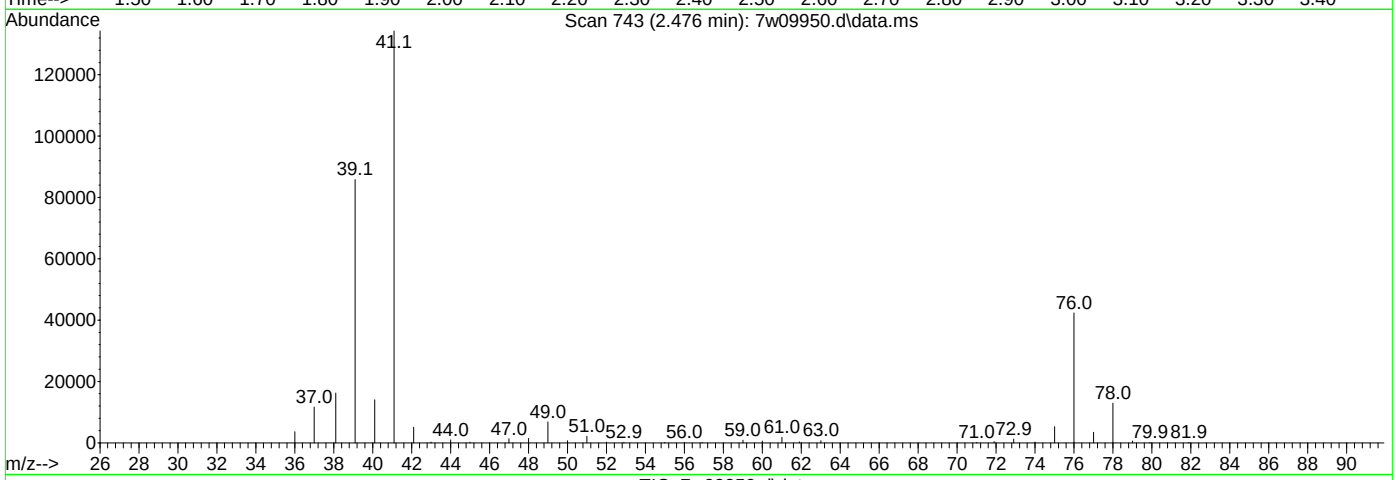
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:32:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w09950.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.70PPBV

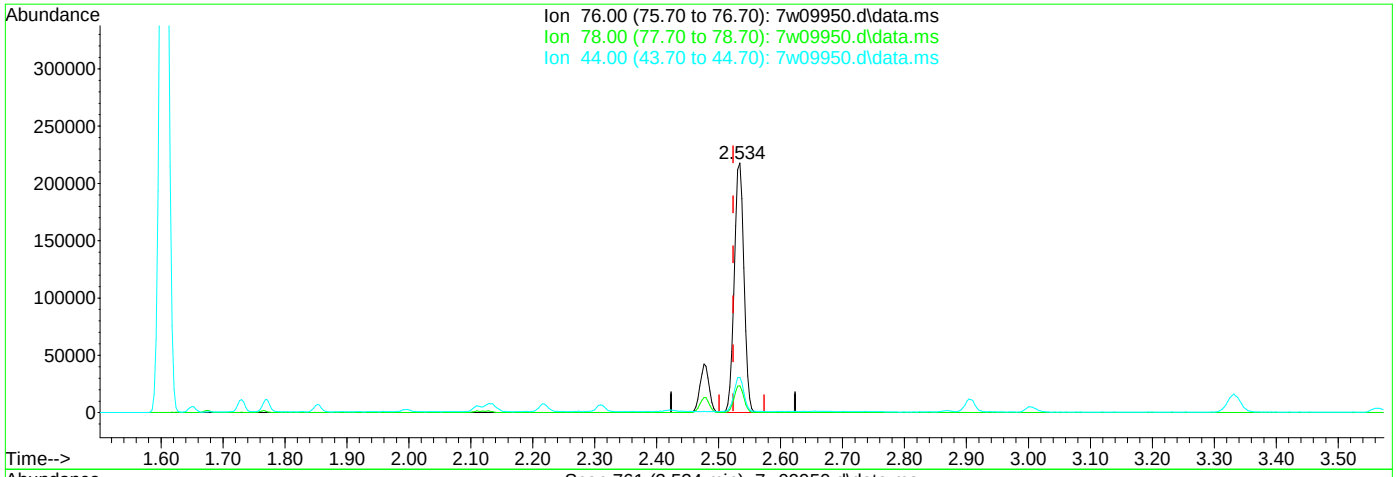
response 42893

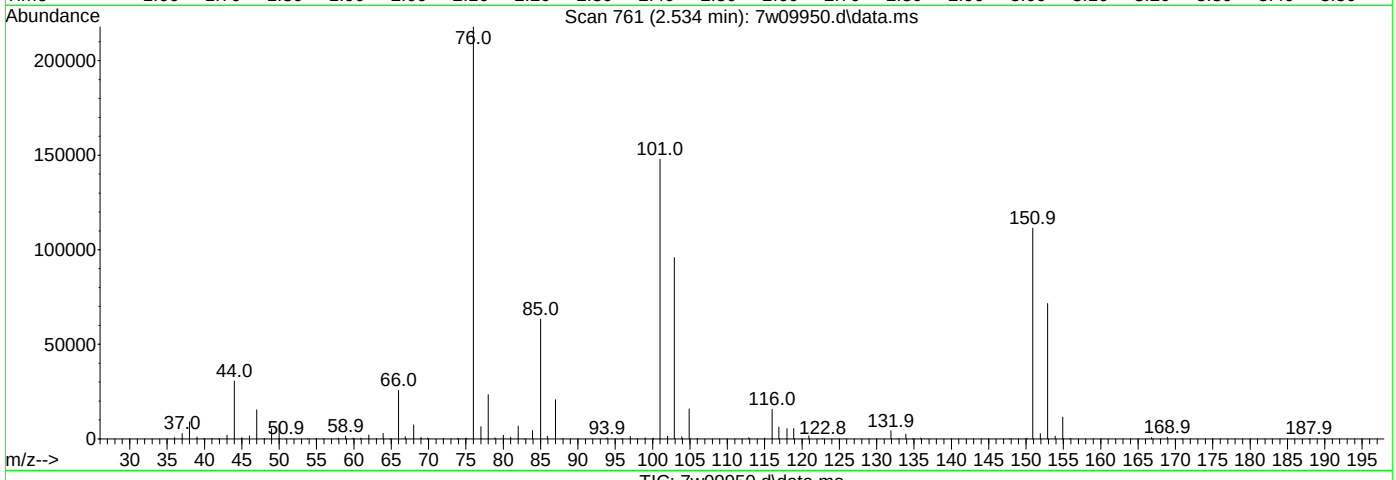
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.29# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09950.d
Acq On : 25 Oct 2024 12:38 pm
Operator : thomash
Sample : bsd Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:32:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w09950.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.29PPBV m

response 234578

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.90# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| | **Internal Standards** | | | | | | | |
| 1) | BROMOCHLOROMETHANE | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| 52) | 1,4-DIFLUOROBENZENE | 4.554 | 114 | 307732 | 10.00 | PPBV | | 0.00 |
| 76) | CHLOROBENZENE-D5 | 10.123 | 117 | 281115 | 10.00 | PPBV | | 0.00 |
| 109) | BROMOCHLOROMETHANE (A) | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| | **System Monitoring Compounds** | | | | | | | |
| 87) | 4-BROMOFLUOROBENZENE | 13.476 | 95 | 190904 | 9.26 | PPBV | | 0.00 |
| | **Target Compounds** | | | | | | | Qvalue |
| 2) | FREON 115 | 1.618 | 119 | 110512 | 14.3793 | PPBV | | 96 |
| 3) | FREON 152A | 1.650 | 65 | 59070 | 14.2378 | PPBV | | 88 |
| 4) | CHLORODIFLUOROMETHANE | 1.663 | 67 | 22970 | 11.4809 | PPBV | | 99 |
| 5) | CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122529 | 12.6008 | PPBV | | 73 |
| 6) | DICHLORODIFLUOROMETHANE | 1.692 | 85 | 255544 | 10.6343 | PPBV | | 96 |
| 7) | PROPYLENE | 1.670 | 41 | 76743 | 13.3660 | PPBV | | 97 |
| 8) | 1-CHLORO-1,1-DIFLUOROE... | 1.731 | 65 | 172937 | 8.5955 | PPBV | | 93 |
| 9) | FREON 114 | 1.766 | 85 | 217219 | 10.6265 | PPBV | | 95 |
| 10) | CHLOROMETHANE | 1.734 | 52 | 27200 | 8.7390 | PPBV | | 94 |
| 11) | VINYL CHLORIDE | 1.798 | 62 | 99503 | 10.3978 | PPBV | | 99 |
| 12) | 1,3-BUTADIENE | 1.837 | 54 | 80190 | 10.3069 | PPBV | | 85 |
| 13) | N-BUTANE | 1.853 | 43 | 127768 | 8.9925 | PPBV | | 96 |
| 14) | BROMOMETHANE | 1.914 | 94 | 78281 | 10.2297 | PPBV | | 99 |
| 15) | CHLOROETHANE | 1.962 | 64 | 51878 | 10.5850 | PPBV | | 91 |
| 16) | DICHLOROFLUOROMETHANE | 1.988 | 67 | 189308 | 10.1065 | PPBV | | 97 |
| 17) | ACETONITRILE | 2.059 | 41 | 77908 | 8.3740 | PPBV | | 98 |
| 18) | ACROLEIN | 2.097 | 56 | 44203 | 9.4636 | PPBV | | 96 |
| 19) | FREON 123 | 2.113 | 83 | 201252 | 10.5734 | PPBV | | 98 |
| 20) | FREON 123A | 2.129 | 117 | 125238 | 11.4705 | PPBV | | 91 |
| 21) | TRICHLOROFLUOROMETHANE | 2.194 | 101 | 215086 | 9.9812 | PPBV | | 98 |
| 22) | ISOPROPYL ALCOHOL | 2.219 | 45 | 177899 | 8.7647 | PPBV | | 96 |
| 23) | ACETONE | 2.139 | 58 | 53254 | 9.6274 | PPBV | | 66 |
| 24) | PENTANE | 2.313 | 42 | 90696 | 8.7967 | PPBV | | 92 |
| 25) | IODOMETHANE | 2.374 | 142 | 225162 | 12.1131 | PPBV | | 89 |
| 26) | 1,1-DICHLOROETHYLENE | 2.400 | 96 | 86229 | 10.7533 | PPBV | | 85 |
| 27) | CARBON DISULFIDE | 2.535 | 76 | 224756m | 9.6177 | PPBV | | |
| 28) | ETHANOL | 1.998 | 45 | 49449 | 8.9163 | PPBV | | 98 |
| 29) | BROMOETHENE | 2.065 | 106 | 83471 | 11.4058 | PPBV | # | 97 |
| 30) | ACRYLONITRILE | 2.281 | 52 | 69775 | 9.2744 | PPBV | | 96 |
| 31) | METHYLENE CHLORIDE | 2.438 | 84 | 75329 | 9.1274 | PPBV | | 80 |
| 32) | 3-CHLOROPROPENE | 2.480 | 76 | 39694 | 9.3992 | PPBV | # | 62 |
| 33) | FREON 113 | 2.535 | 151 | 140140 | 11.1049 | PPBV | | 89 |
| 34) | TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 91287 | 11.6726 | PPBV | | 99 |
| 35) | TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 176592 | 9.0639 | PPBV | | 92 |
| 36) | METHYL TERTIARY BUTYL ... | 2.872 | 73 | 239170 | 12.1723 | PPBV | | 98 |
| 37) | TETRAHYDROFURAN | 3.563 | 72 | 45330 | 12.1074 | PPBV | | 96 |
| 38) | HEXANE | 3.329 | 57 | 186212 | 11.3851 | PPBV | | 88 |
| 39) | VINYL ACETATE | 2.908 | 86 | 21657 | 12.1078 | PPBV | | 77 |
| 40) | 1,1-DICHLOROETHANE | 2.837 | 63 | 181698 | 12.4681 | PPBV | | 99 |
| 41) | METHYL ETHYL KETONE | 3.004 | 72 | 48800 | 12.2439 | PPBV | | 89 |
| 42) | CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 94849 | 11.4360 | PPBV | | 100 |
| 43) | DIISOPROPYL ETHER | 3.335 | 59 | 52672 | 12.3764 | PPBV | | 84 |
| 44) | ETHYL ACETATE | 3.338 | 61 | 36929 | 11.8146 | PPBV | | 78 |
| 45) | METHYL ACRYLATE | 3.322 | 55 | 215839 | 12.0480 | PPBV | # | 26 |
| 46) | CHLOROFORM | 3.348 | 83 | 181569 | 10.8246 | PPBV | | 95 |
| 47) | 2,4-DIMETHYLPENTANE | 3.843 | 57 | 215745 | 12.3313 | PPBV | | 98 |
| 48) | 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178620 | 11.6980 | PPBV | | 96 |
| 49) | CARBON TETRACHLORIDE | 4.342 | 117 | 186476 | 12.4415 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 135176 | 10.6258 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 285064 | 11.5478 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 123825 | 11.3925 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66437 | 11.9361 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 124837 | 10.5919 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.898 | 63 | 126622 | 12.0766 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110137 | 11.1361 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.017 | 55 | 267872 | 11.9010 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 198539 | 10.9770 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.223 | 57 | 587587 | 11.7962 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 68433 | 10.6089 | PPBV | # | 93 |
| 62) | HEPTANE | 5.541 | 43 | 196653 | 11.2460 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 110695 | 11.7588 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116018 | 10.7777 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167663 | 12.4777 | PPBV | | 86 |
| 66) | TOLUENE | 7.268 | 91 | 346089 | 10.5702 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 172835 | 10.7442 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139504 | 12.6564 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.895 | 83 | 101053 | 11.2887 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.853 | 58 | 162743 | 9.9058 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 180957 | 11.6239 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 134599 | 11.5053 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200804 | 11.7098 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 183640 | 11.6450 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 271332 | 10.3153 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.210 | 131 | 143846 | 11.9311 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 278592 | 10.2378 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 457220 | 10.2501 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 703381 | 19.9630 | PPBV | | 100 |
| 81) | O-XYLENE | 12.441 | 91 | 355250 | 10.0425 | PPBV | | 99 |
| 82) | STYRENE | 12.229 | 104 | 278357 | 10.8757 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 279616 | 9.9947 | PPBV | | 93 |
| 84) | BROMOFORM | 11.322 | 173 | 187082 | 12.2296 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 261976 | 10.5142 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 201971 | 10.0376 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 136930 | 10.2194 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 246840 | 9.7379 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 122323 | 9.9584 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 142602 | 10.3358 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 514233 | 10.5272 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 421583 | 10.2573 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 216053 | 9.8929 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102644 | 10.4400 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 435406 | 10.1374 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 258850 | 20.7104 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 294616 | 10.2783 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 299214 | 10.5247 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 280983 | 10.2361 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.872 | 134 | 129277 | 10.4474 | PPBV | | 92 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.991 | 105 | 420338 | 9.6664 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 140956 | 10.2084 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 141251 | 10.3059 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159980 | 12.0274 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.646 | 225 | 225111 | 10.9149 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.338 | 180 | 276617 | 10.0666 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 639531 | 8.9082 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 439346 | 8.4468 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

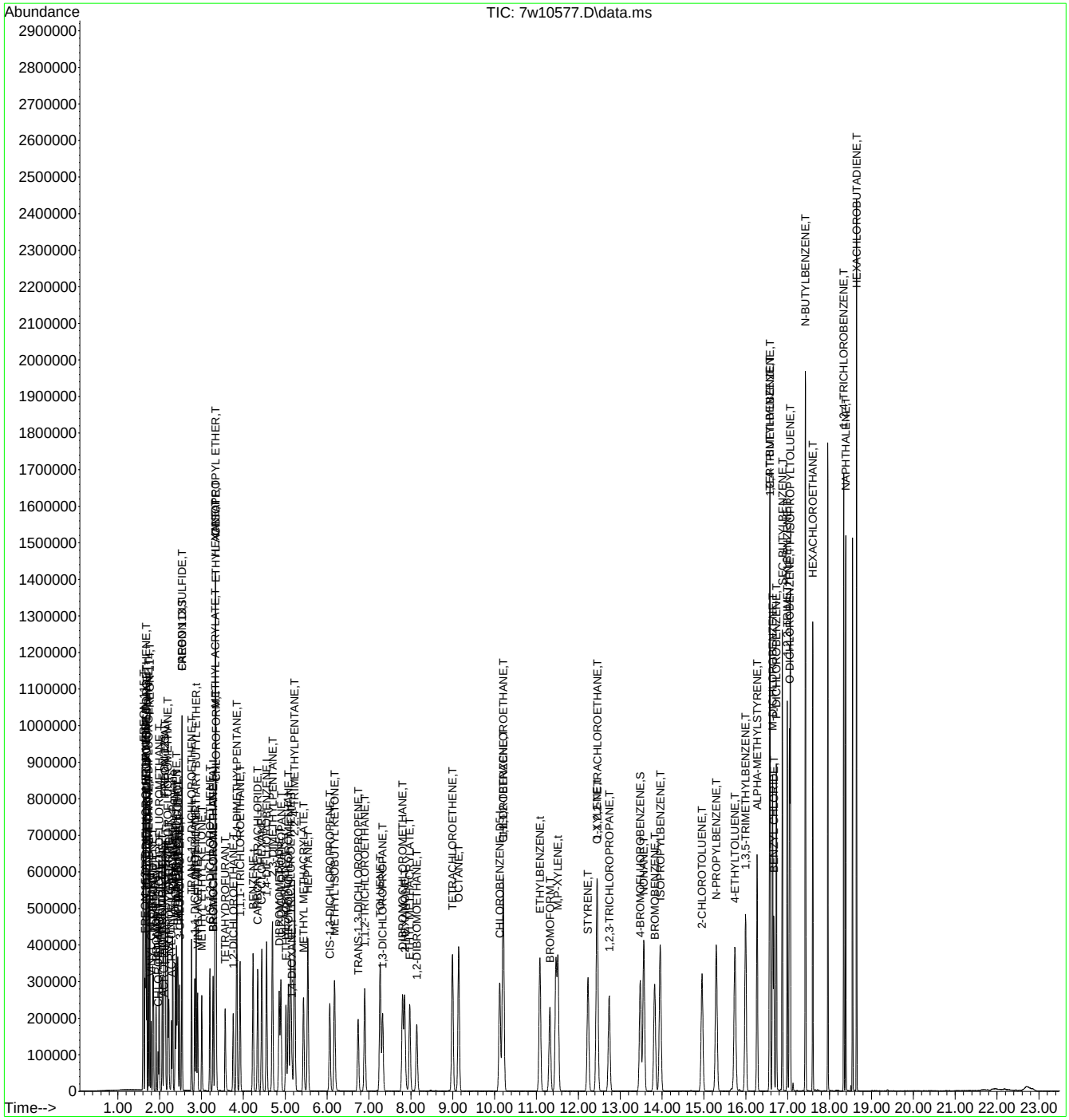
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



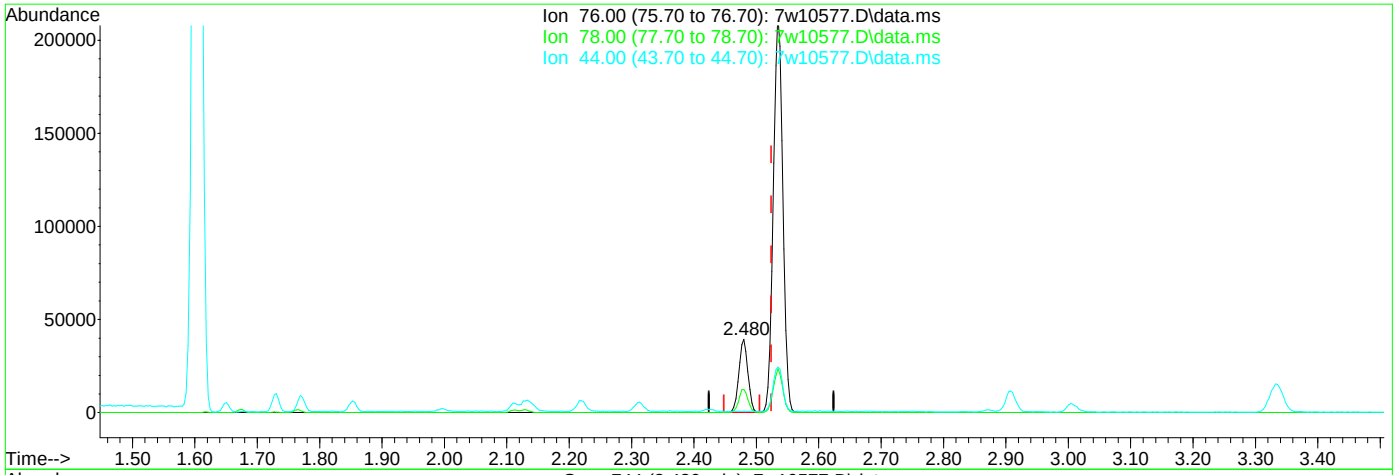
**Sample Number:** V7W387-BS
**Lab FileID:** 7W10577.D
**Injection Time:** 11/18/24 10:11
**Method:** TO-15
**Analyst approved:** 11/19/24 00:49 Lucky Carandang
**Supervisor approved:** 11/19/24 11:36 Kanya Veerawat

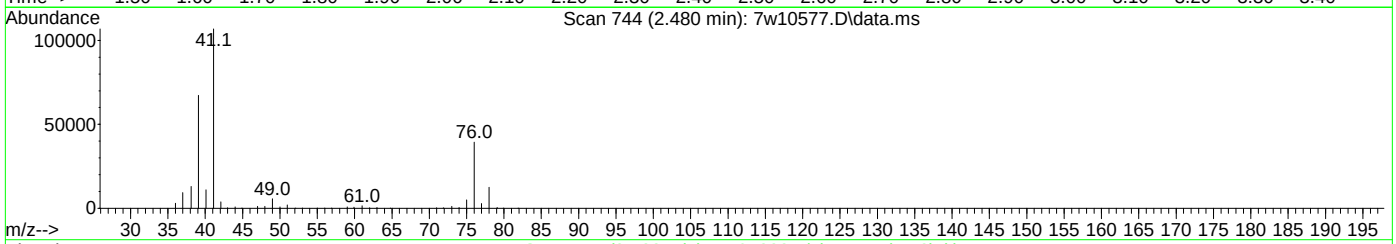
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

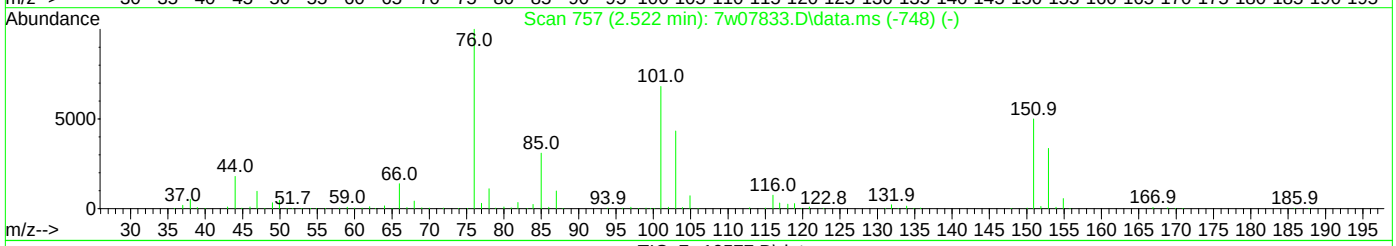
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

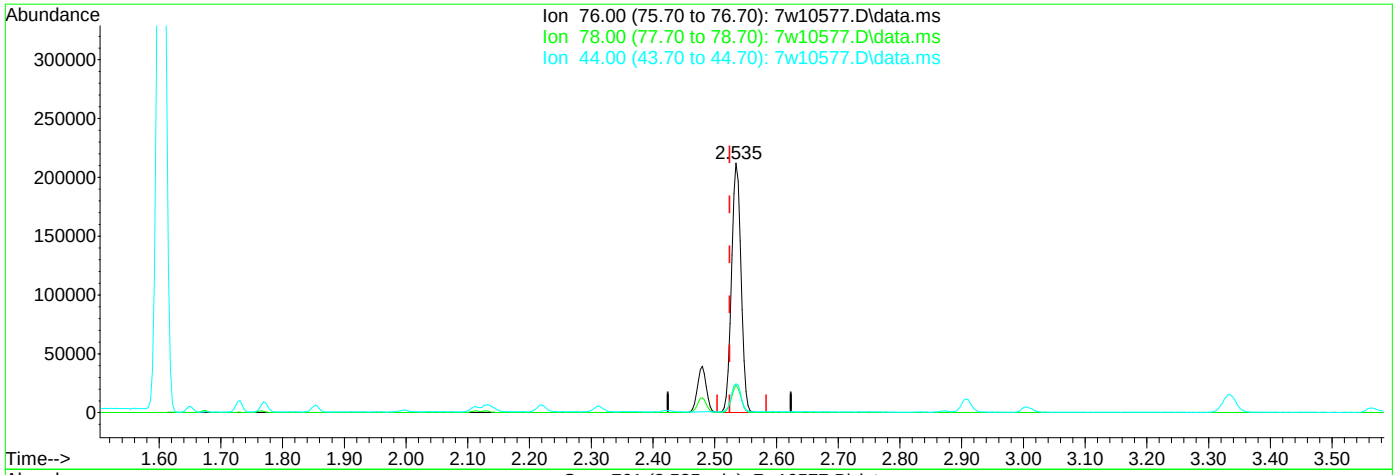
response 39710

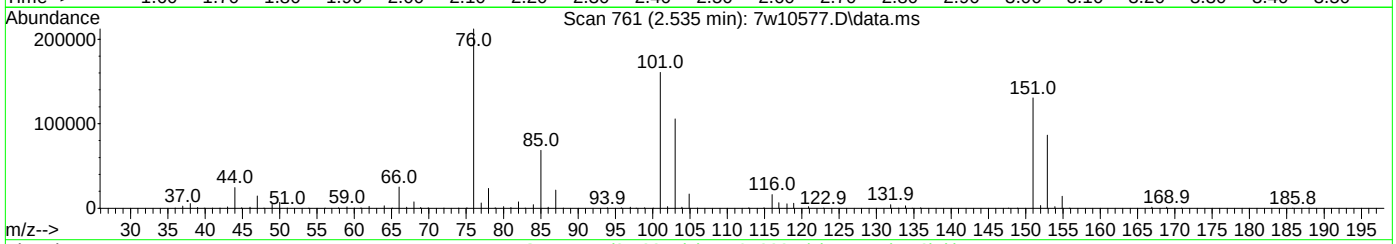
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.64# |
| 44.00 | 19.10 | 0.64# |
| 0.00 | 0.00 | 0.00 |

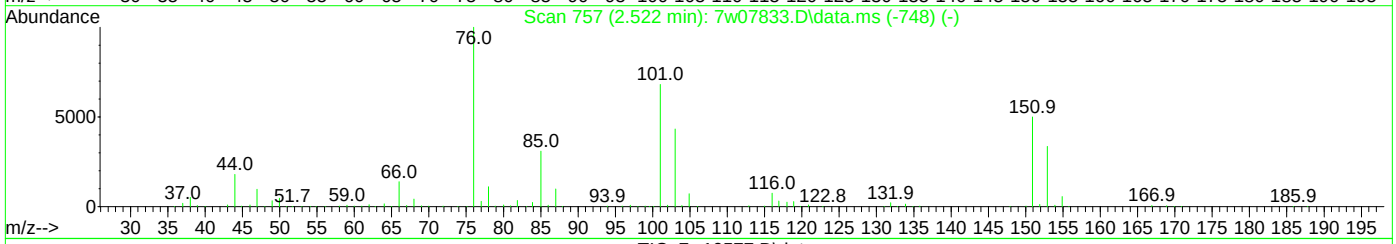
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.77# |
| 44.00 | 19.10 | 0.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 304227 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 275746 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 190632 | 9.42 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 112227 | 14.7201 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 57446 | 13.9579 | PPBV | | 84 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21726 | 10.9466 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126112 | 13.0738 | PPBV | | 69 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 252623 | 10.5975 | PPBV | | 94 |
| 7) PROPYLENE | 1.672 | 41 | 67225 | 11.8027 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 168232 | 8.4290 | PPBV | | 92 |
| 9) FREON 114 | 1.766 | 85 | 219573 | 10.8282 | PPBV | | 94 |
| 10) CHLOROMETHANE | 1.737 | 52 | 24803 | 8.0331 | PPBV | | 91 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95931 | 10.1053 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 74674 | 9.6753 | PPBV | | 84 |
| 13) N-BUTANE | 1.852 | 43 | 121165 | 8.5965 | PPBV | | 95 |
| 14) BROMOMETHANE | 1.914 | 94 | 78468 | 10.3368 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 52103 | 10.7165 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 185911 | 10.0051 | PPBV | | 97 |
| 17) ACETONITRILE | 2.061 | 41 | 76003 | 8.2350 | PPBV | | 99 |
| 18) ACROLEIN | 2.100 | 56 | 44428 | 9.5884 | PPBV | | 98 |
| 19) FREON 123 | 2.113 | 83 | 200054 | 10.5952 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 123450 | 11.3978 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 210804 | 9.8613 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 172563 | 8.5703 | PPBV | | 96 |
| 23) ACETONE | 2.139 | 58 | 53727 | 9.7912 | PPBV | | 64 |
| 24) PENTANE | 2.312 | 42 | 92167 | 9.0114 | PPBV | | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 223797 | 12.1367 | PPBV | | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 84135 | 10.5767 | PPBV | | 87 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 221254 | 9.5441 | PPBV | # | 90 |
| 28) ETHANOL | 1.997 | 45 | 46856 | 8.5168 | PPBV | | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 82455 | 11.3578 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 69892 | 9.3648 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 74697 | 9.1237 | PPBV | | 80 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 40349 | 9.6313 | PPBV | # | 59 |
| 33) FREON 113 | 2.534 | 151 | 136726 | 10.9217 | PPBV | | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 90883 | 11.7146 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 175438 | 9.0773 | PPBV | | 91 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 240324 | 12.3296 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45290 | 12.1941 | PPBV | | 94 |
| 38) HEXANE | 3.328 | 57 | 184582 | 11.3764 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.907 | 86 | 21094 | 11.8881 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 180973 | 12.5184 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 47682 | 12.0598 | PPBV | | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95006 | 11.5473 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52095 | 12.3395 | PPBV | | 83 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36641 | 11.8170 | PPBV | | 76 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 213749 | 12.0275 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 181081 | 10.8825 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 214369 | 12.3513 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179286 | 11.8362 | PPBV | | 95 |
| 49) CARBON TETRACHLORIDE | 4.344 | 117 | 185073 | 12.4473 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.759 | 62 | 133903 | 10.6105 | PPBV | | 99 |
| 51) | BENZENE | 4.232 | 78 | 285053 | 11.6404 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 123486 | 11.4922 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66451 | 12.0762 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124532 | 10.6877 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.897 | 63 | 124852 | 12.0450 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110196 | 11.2704 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 264942 | 11.9064 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 197810 | 11.0627 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 581722 | 11.8130 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 67881 | 10.6446 | PPBV | # | 95 |
| 62) | HEPTANE | 5.540 | 43 | 194597 | 11.2566 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 110949 | 11.9216 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 114615 | 10.7700 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167753 | 12.6282 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 347675 | 10.7410 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 171884 | 10.8082 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139337 | 12.7869 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 100397 | 11.3447 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.849 | 58 | 162687 | 10.0165 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 179934 | 11.6913 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 135676 | 11.7309 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 199913 | 11.7921 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.145 | 107 | 182986 | 11.7372 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 268341 | 10.3191 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144815 | 12.2454 | PPBV | | 92 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 279014 | 10.4529 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 458943 | 10.4891 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.514 | 91 | 712410 | 20.6129 | PPBV | | 98 |
| 81) | O-XYLENE | 12.444 | 91 | 357163 | 10.2932 | PPBV | | 98 |
| 82) | STYRENE | 12.228 | 104 | 284416 | 11.3288 | PPBV | | 96 |
| 83) | NONANE | 13.563 | 43 | 247974 | 9.0363 | PPBV | | 86 |
| 84) | BROMOFORM | 11.322 | 173 | 196785 | 13.1143 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 261640 | 10.7052 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 198044 | 10.0341 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 142718 | 10.8588 | PPBV | | 90 |
| 89) | BROMOBENZENE | 13.820 | 77 | 245227 | 9.8626 | PPBV | | 90 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 126461 | 10.4957 | PPBV | | 98 |
| 91) | N-PROPYLBENZENE | 15.289 | 120 | 149258 | 11.0289 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 524683 | 10.9503 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 428738 | 10.6345 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 227883 | 10.6378 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 107149 | 11.1104 | PPBV | | 92 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 444260 | 10.5449 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257782 | 21.0265 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 311779 | 11.0889 | PPBV | | 96 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 312888 | 11.2200 | PPBV | | 96 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 299868 | 11.1368 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.871 | 134 | 133359 | 10.9871 | PPBV | | 89 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 431281 | 10.1111 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 147019 | 10.8548 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 143845 | 10.6995 | PPBV | | 84 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 161090 | 12.3466 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.649 | 225 | 225577 | 11.1504 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 279684 | 10.3764 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 646041 | 9.1741 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 447566 | 8.6742 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

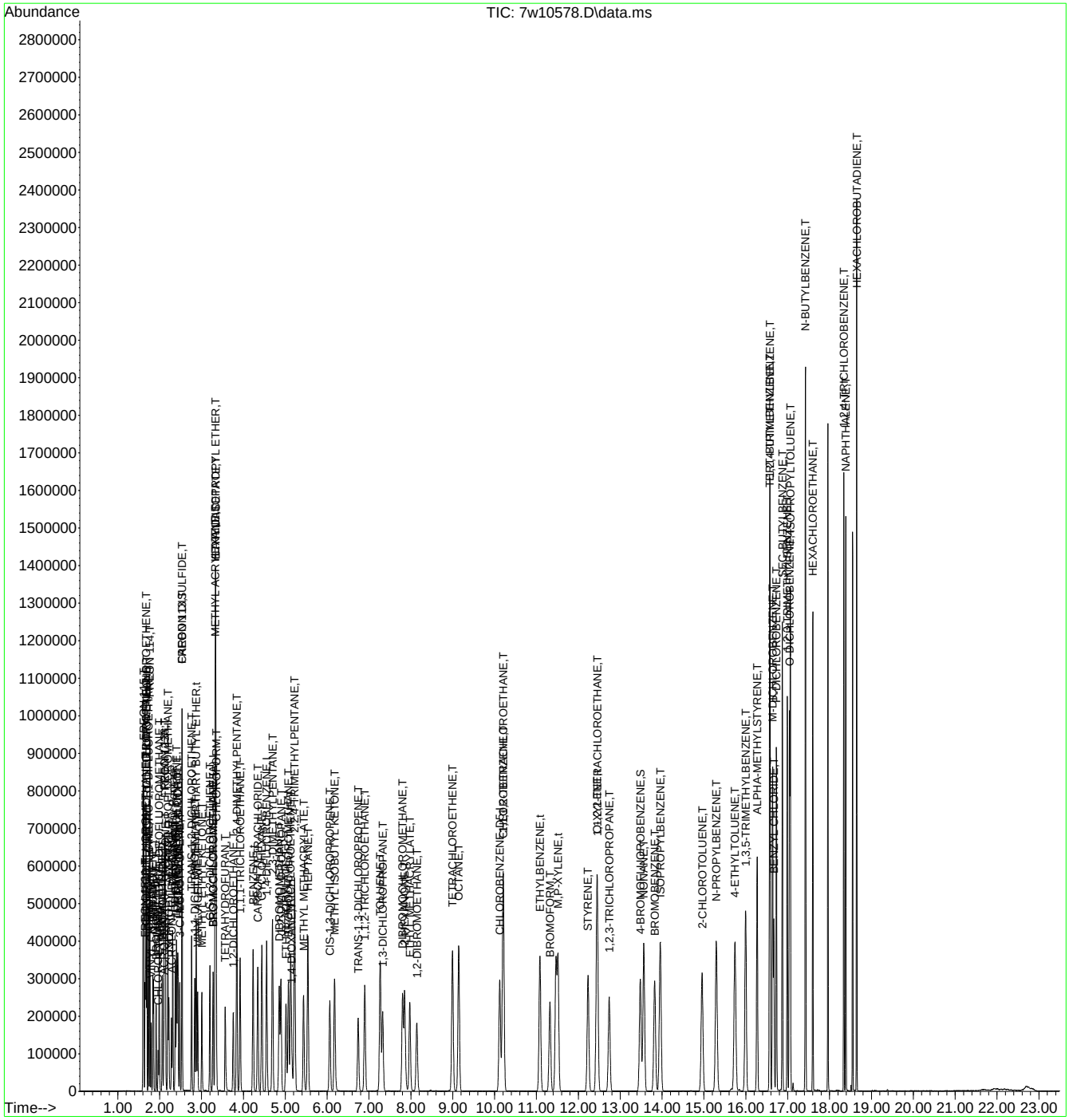
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 382948 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 316986 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 227554 | 9.79 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 126184 | 13.5212 | PPBV | 96 |
| 3) FREON 152A | 1.650 | 65 | 65524 | 13.0064 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28168 | 11.5945 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134871 | 11.4225 | PPBV | 86 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 315452 | 10.8108 | PPBV | 99 |
| 7) PROPYLENE | 1.672 | 41 | 80877 | 11.6003 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265409 | 10.8638 | PPBV | 97 |
| 9) FREON 114 | 1.766 | 85 | 286696 | 11.5504 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39336 | 10.4080 | PPBV | 96 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 133813 | 11.5155 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 106307 | 11.2526 | PPBV | 94 |
| 13) N-BUTANE | 1.853 | 43 | 187513 | 10.8686 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 98008 | 10.5475 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 66107 | 11.1080 | PPBV | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 248798 | 10.9386 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 104347 | 9.2366 | PPBV | 100 |
| 18) ACROLEIN | 2.097 | 56 | 56353 | 9.9359 | PPBV | 99 |
| 19) FREON 123 | 2.110 | 83 | 246909 | 10.6830 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 139268 | 10.5046 | PPBV | 91 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 264243 | 10.0985 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 237293 | 9.6279 | PPBV | 99 |
| 23) ACETONE | 2.139 | 58 | 66012 | 9.8280 | PPBV | 84 |
| 24) PENTANE | 2.312 | 42 | 126246 | 10.0840 | PPBV | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 243976 | 10.8091 | PPBV | 96 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 103685 | 10.6485 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 312953 | 11.0286 | PPBV | 96 |
| 28) ETHANOL | 1.997 | 45 | 68332 | 10.1469 | PPBV | 97 |
| 29) BROMOETHENE | 2.065 | 106 | 97120 | 10.9291 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 90682 | 9.9263 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.435 | 84 | 100386 | 10.0170 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 56068 | 10.9336 | PPBV | 88 |
| 33) FREON 113 | 2.531 | 151 | 149829 | 9.7776 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 101879 | 10.7282 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 251712 | 10.6398 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.869 | 73 | 282521 | 11.8413 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.560 | 72 | 52317 | 11.5077 | PPBV | 93 |
| 38) HEXANE | 3.325 | 57 | 212284 | 10.6888 | PPBV | 93 |
| 39) VINYL ACETATE | 2.904 | 86 | 25650 | 11.8096 | PPBV | 75 |
| 40) 1,1-DICHLOROETHANE | 2.833 | 63 | 218138 | 12.3272 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 56445 | 11.6629 | PPBV | 87 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113336 | 11.2536 | PPBV | 100 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 60997 | 11.8034 | PPBV | 81 |
| 44) ETHYL ACETATE | 3.338 | 61 | 43757 | 11.5288 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 251871 | 11.5783 | PPBV # | 26 |
| 46) CHLOROFORM | 3.344 | 83 | 228066 | 11.1973 | PPBV | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 242883 | 11.4326 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 216676 | 11.6862 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 217532 | 11.9524 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 169233 | 10.9554 | PPBV | | 100 |
| 51) | BENZENE | 4.229 | 78 | 331480 | 11.0585 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 148223 | 10.9587 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 77476 | 11.1854 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 151444 | 10.3256 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 143500 | 10.9982 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 4.852 | 174 | 130402 | 10.5954 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 303595 | 10.8388 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 247135 | 10.9801 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 656851 | 10.5967 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.148 | 88 | 80000 | 9.9662 | PPBV | # | 96 |
| 62) | HEPTANE | 5.537 | 43 | 216836 | 9.9647 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 130131 | 11.1084 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 132769 | 9.9113 | PPBV | | 90 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200423 | 11.9861 | PPBV | | 91 |
| 66) | TOLUENE | 7.264 | 91 | 404305 | 9.9228 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 207925 | 10.3868 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 168558 | 12.2887 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122608 | 11.0065 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.846 | 58 | 184199 | 9.0096 | PPBV | | 91 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 212394 | 10.9635 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 159732 | 10.9718 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.798 | 129 | 233469 | 10.9405 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 224023 | 11.4156 | PPBV | | 98 |
| 75) | OCTANE | 9.138 | 43 | 302650 | 9.2460 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173606 | 12.7700 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 332741 | 10.8440 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 530999 | 10.5570 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.505 | 91 | 818572 | 20.6032 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 417664 | 10.4708 | PPBV | | 98 |
| 82) | STYRENE | 12.225 | 104 | 322768 | 11.1838 | PPBV | | 98 |
| 83) | NONANE | 13.563 | 43 | 321867 | 10.2031 | PPBV | | 93 |
| 84) | BROMOFORM | 11.318 | 173 | 204791 | 11.8723 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 325689 | 11.5921 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245814 | 10.8341 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 164743 | 10.9038 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 297259 | 10.3999 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 147645 | 10.6596 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 171928 | 11.0512 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 606755 | 11.0157 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 496783 | 10.7192 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 253768 | 10.3049 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 126733 | 11.4314 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 525402 | 10.8484 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 306225 | 21.7283 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 349431 | 10.8111 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 352985 | 11.0111 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 334301 | 10.8003 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 159334 | 11.4193 | PPBV | | 91 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507649 | 10.3532 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 173553 | 11.1468 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 175339 | 11.3453 | PPBV | | 90 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 192204 | 12.8148 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 274155 | 11.7886 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 340220 | 10.9802 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 782109 | 9.6614 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 609787 | 9.6549 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

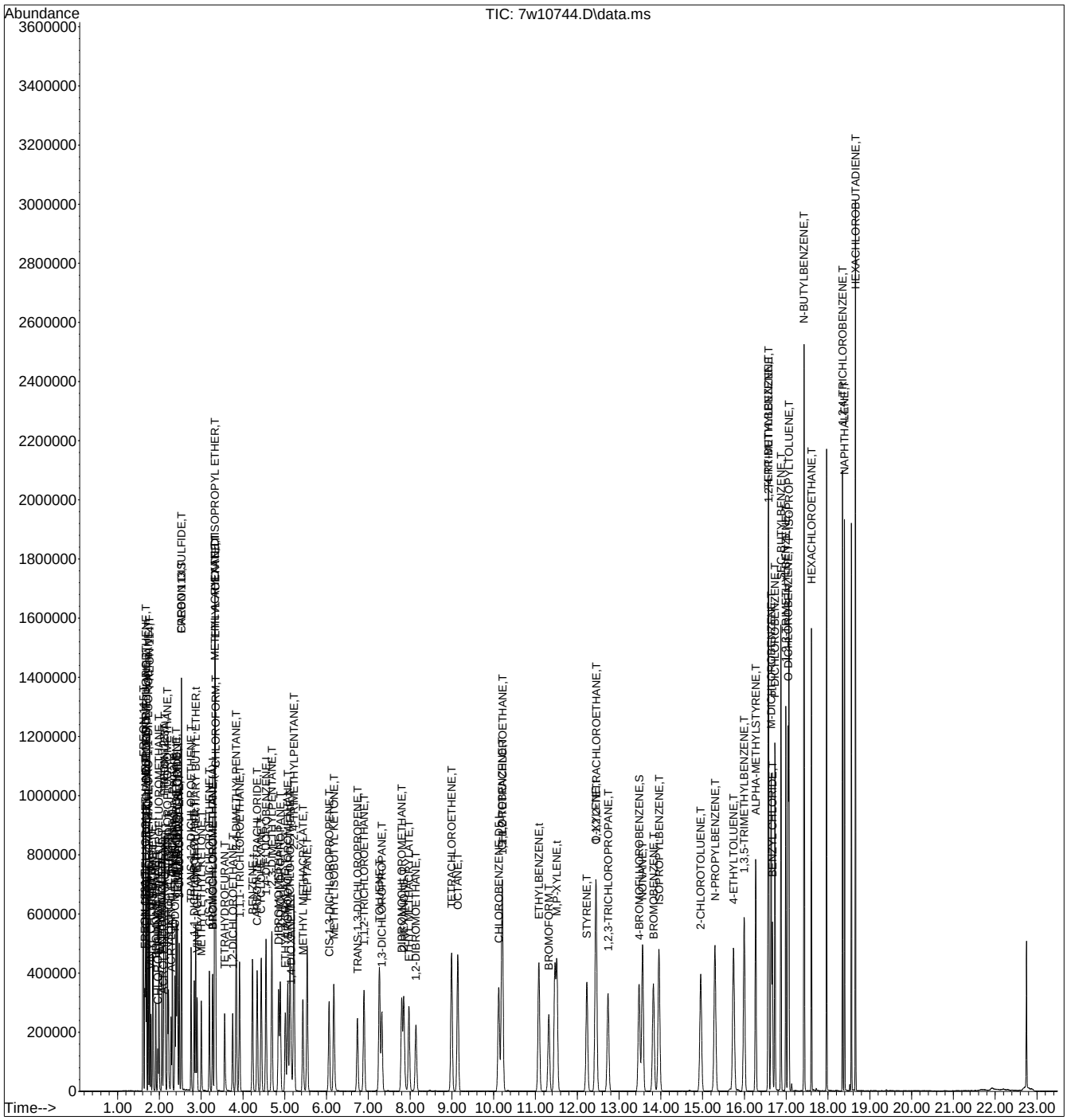
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 390728 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 328697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 238015 | 9.87 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 126767 | 13.4354 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 64072 | 12.5794 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 27910 | 11.3629 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134953 | 11.3047 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 312492 | 10.5925 | PPBV | | 98 |
| 7) PROPYLENE | 1.673 | 41 | 78101 | 11.0799 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 261180 | 10.5740 | PPBV | | 97 |
| 9) FREON 114 | 1.766 | 85 | 287471 | 11.4552 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.737 | 52 | 37526 | 9.8207 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 131592 | 11.2008 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 102140 | 10.6935 | PPBV | | 95 |
| 13) N-BUTANE | 1.853 | 43 | 182502 | 10.4627 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 96480 | 10.2698 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.965 | 64 | 64033 | 10.6421 | PPBV | | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 243023 | 10.5681 | PPBV | | 99 |
| 17) ACETONITRILE | 2.058 | 41 | 102241 | 8.9514 | PPBV | | 100 |
| 18) ACROLEIN | 2.097 | 56 | 54358 | 9.4795 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 246615 | 10.5538 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 140717 | 10.4980 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 261134 | 9.8707 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 232396 | 9.3262 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 63944 | 9.4162 | PPBV | | 84 |
| 24) PENTANE | 2.309 | 42 | 121088 | 9.5664 | PPBV | | 97 |
| 25) IODOMETHANE | 2.370 | 142 | 245857 | 10.7736 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 105886 | 10.7558 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 305632m | 10.6530 | PPBV | | |
| 28) ETHANOL | 1.997 | 45 | 64956 | 9.5403 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 96391 | 10.7286 | PPBV | | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 88218 | 9.5512 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.435 | 84 | 99175 | 9.7882 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 55651 | 10.7338 | PPBV | | 90 |
| 33) FREON 113 | 2.531 | 151 | 148017 | 9.5539 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 102117 | 10.6359 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 250941 | 10.4914 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 282260 | 11.7012 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 52892 | 11.5072 | PPBV | | 92 |
| 38) HEXANE | 3.325 | 57 | 213710 | 10.6432 | PPBV | | 93 |
| 39) VINYL ACETATE | 2.907 | 86 | 24425 | 11.1229 | PPBV | | 75 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 214500 | 11.9893 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 55669 | 11.3770 | PPBV | | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113738 | 11.1703 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 61300 | 11.7325 | PPBV | | 83 |
| 44) ETHYL ACETATE | 3.335 | 61 | 43835 | 11.4233 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 251911 | 11.4538 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 225298 | 10.9406 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 243275 | 11.3261 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 216349 | 11.5412 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 212833 | 11.5665 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 171263 | 10.9658 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 331521 | 10.9391 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 148534 | 10.7630 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78653 | 11.1293 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 150189 | 10.0361 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 144095 | 10.8239 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.852 | 174 | 128872 | 10.2626 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 309191 | 10.8188 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 242598 | 10.5639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 665824 | 10.5275 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.158 | 88 | 85002 | 10.3785 | PPBV | # | 94 |
| 62) | HEPTANE | 5.537 | 43 | 220071 | 9.9119 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 130022 | 10.8781 | PPBV | | 95 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 133602 | 9.7749 | PPBV | | 91 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200690 | 11.7631 | PPBV | | 91 |
| 66) | TOLUENE | 7.267 | 91 | 403801 | 9.7131 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 210098 | 10.2864 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 167872 | 11.9950 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122856 | 10.8091 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 187489 | 8.9880 | PPBV | | 90 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 216864 | 10.9714 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 161382 | 10.8644 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 232120 | 10.6607 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 224390 | 11.2066 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 305034 | 9.1333 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173624 | 12.3163 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 339775 | 10.6787 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 539755 | 10.3488 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.505 | 91 | 828409 | 20.1079 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 426899 | 10.3210 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 326726 | 10.9176 | PPBV | | 98 |
| 83) | NONANE | 13.560 | 43 | 327214 | 10.0030 | PPBV | | 93 |
| 84) | BROMOFORM | 11.318 | 173 | 203920 | 11.4006 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 330684 | 11.3505 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 247809 | 10.5329 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 167761 | 10.7080 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 300920 | 10.1529 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 150937 | 10.5091 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 175229 | 10.8621 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 625538 | 10.9521 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 507213 | 10.5543 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 260983 | 10.2203 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 127325 | 11.0757 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 535071 | 10.6544 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 309390 | 21.1707 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 354409 | 10.5745 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 362979 | 10.9194 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 338699 | 10.5525 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 162561 | 11.2355 | PPBV | | 91 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 516830 | 10.1649 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 176643 | 10.9411 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 178412 | 11.1329 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 196316 | 12.6226 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 276712 | 11.4746 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 348894 | 10.8589 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.392 | 128 | 804321 | 9.5818 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 591308 | 9.2601 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

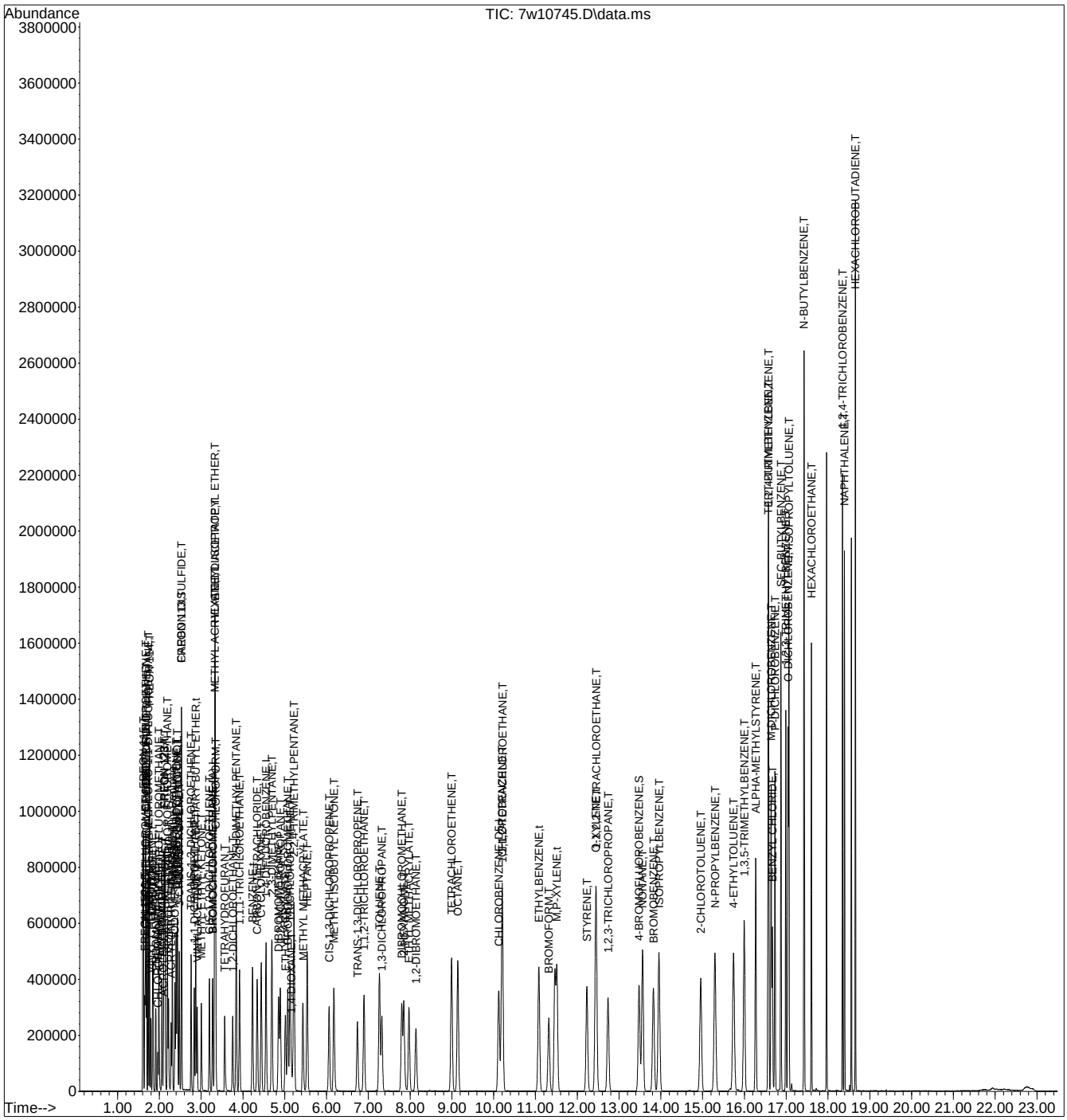
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



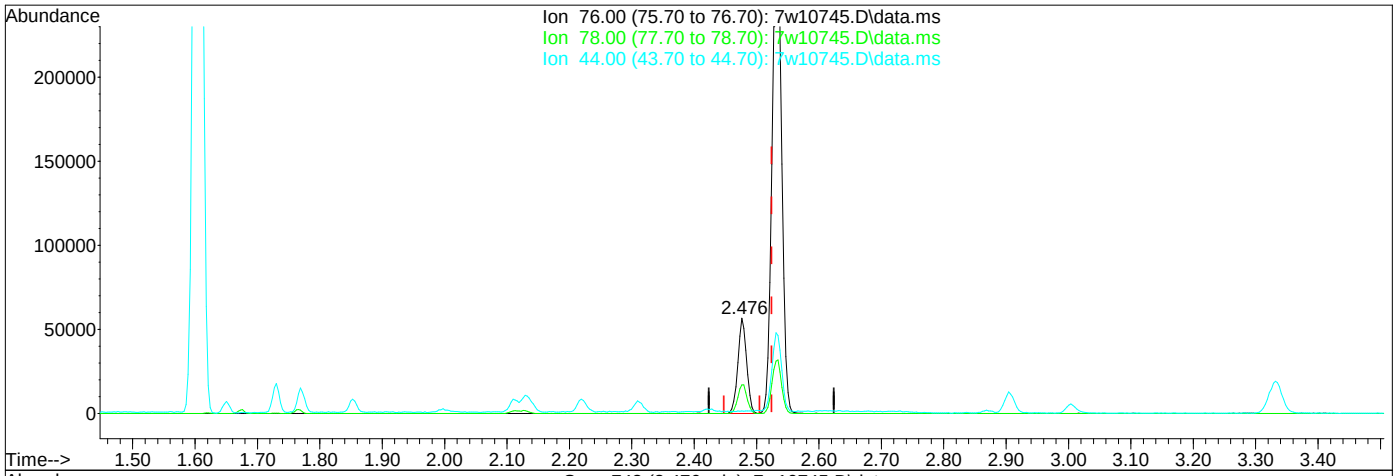
**Sample Number:** V7W392-BSD
**Lab FileID:** 7W10745.D
**Injection Time:** 11/25/24 10:26
**Method:** TO-15
**Analyst approved:** 11/25/24 16:53 Geralyn Gomez
**Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

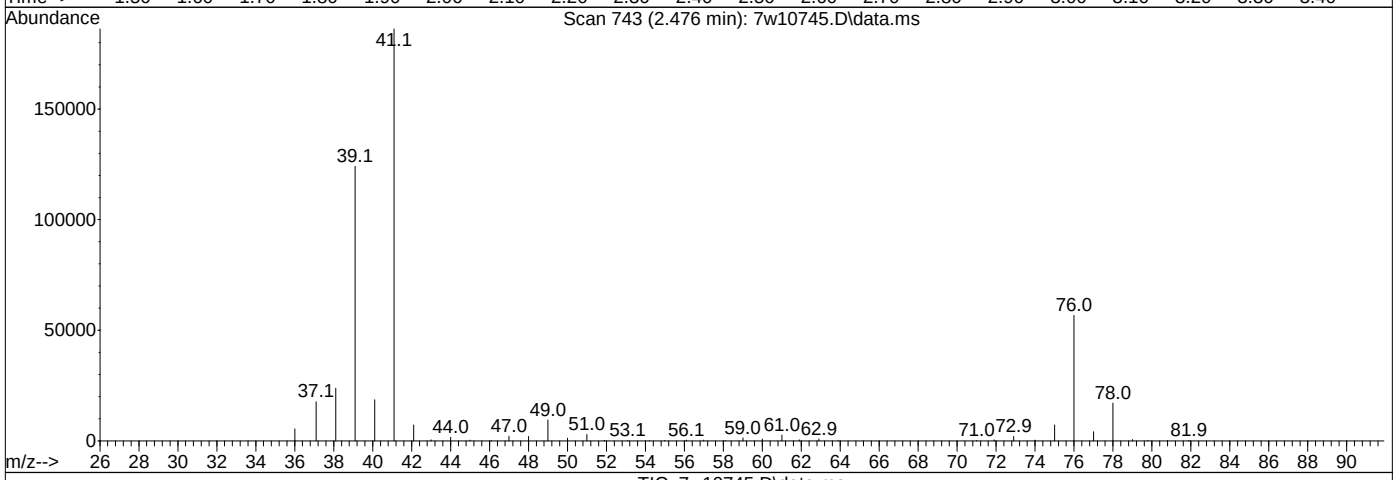
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

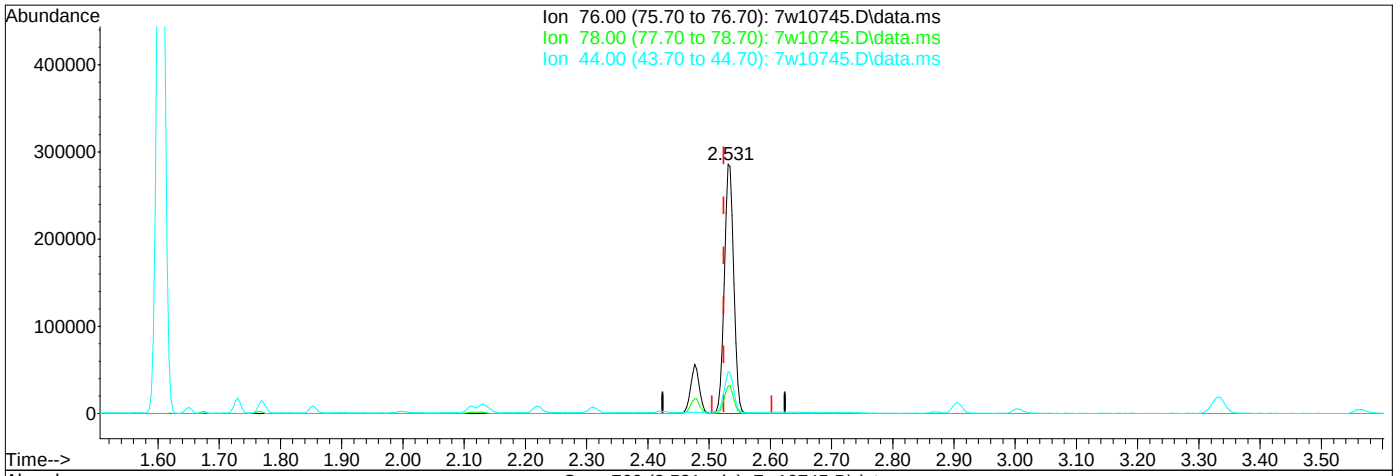
response 55690

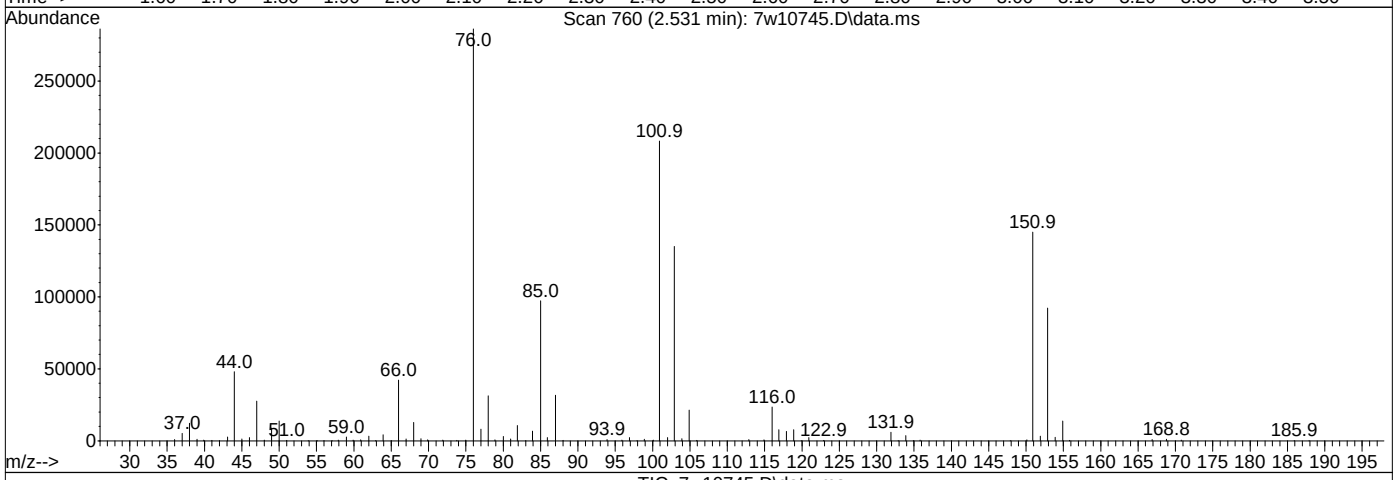
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.24# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.88# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

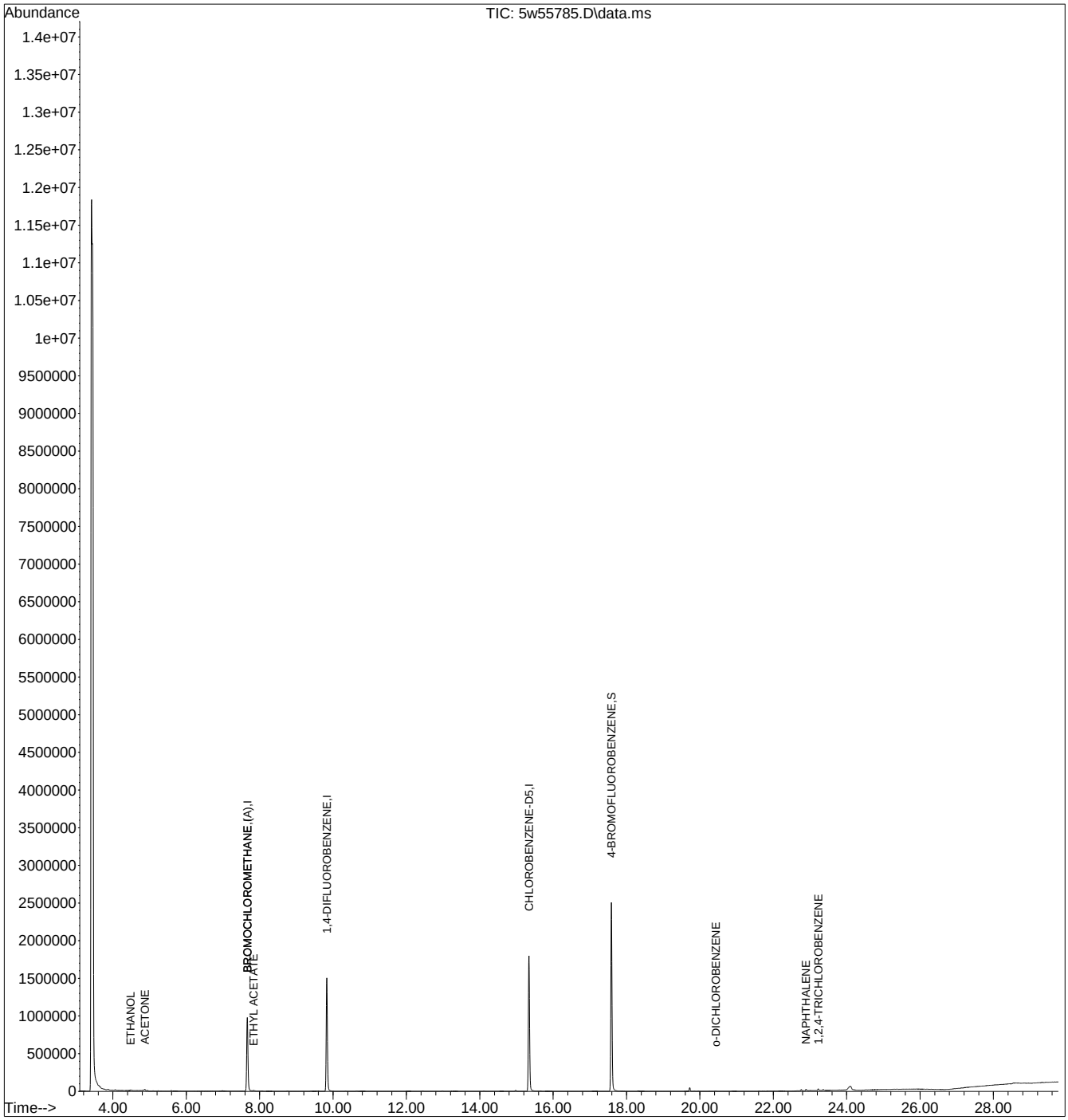
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 276928 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1339103 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 728500 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 276928 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 918485 | 11.27 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.70% | | | |
| Target Compounds | | | | | | Qvalue |
| 23) ACETONE | 4.867 | 58 | 8491 | 0.3802 | PPBV | # 78 |
| 28) ETHANOL | 4.482 | 45 | 11825 | 0.5445 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.834 | 61 | 1758 | 0.1984 | PPBV | # 38 |
| 103) o-DICHLOROBENZENE | 20.430 | 146 | 2425 | 0.0268 | PPBV | 83 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9413 | 0.1167 | PPBV | 92 |
| 108) NAPHTHALENE | 22.890 | 128 | 17643 | 0.0996 | PPBV | 95 |

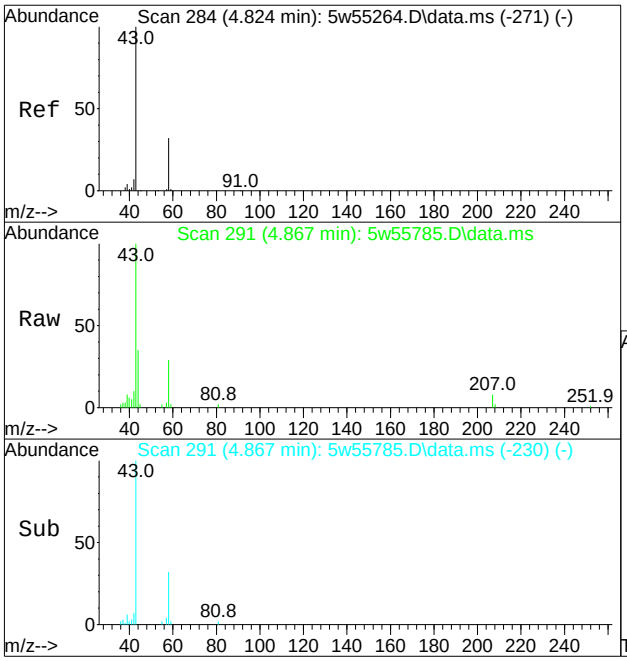
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

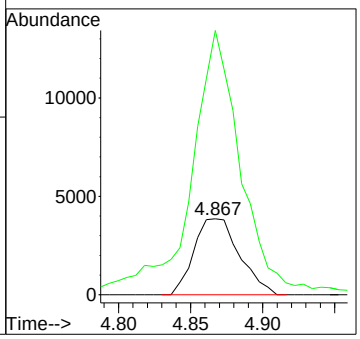


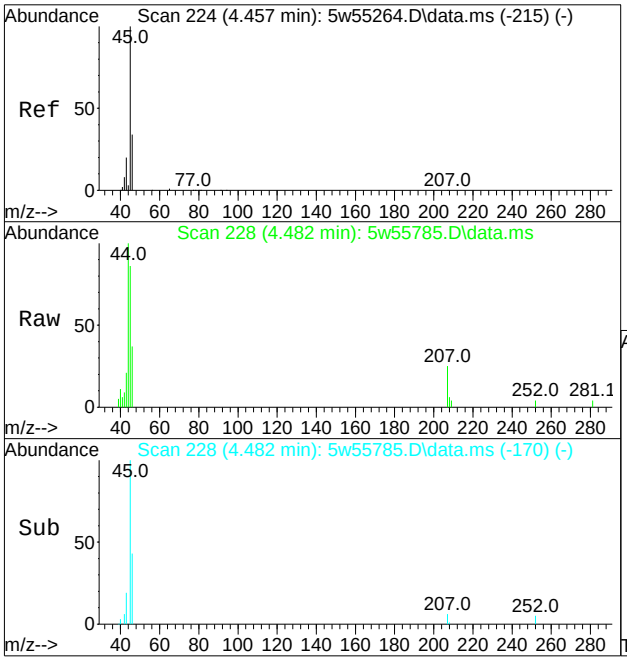



#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 389.2 | 312.3 | 372.3# |

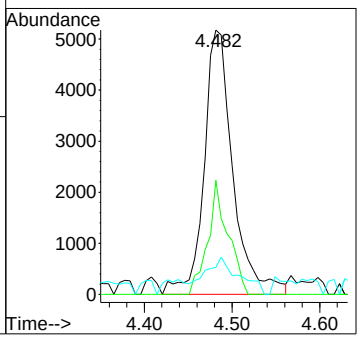


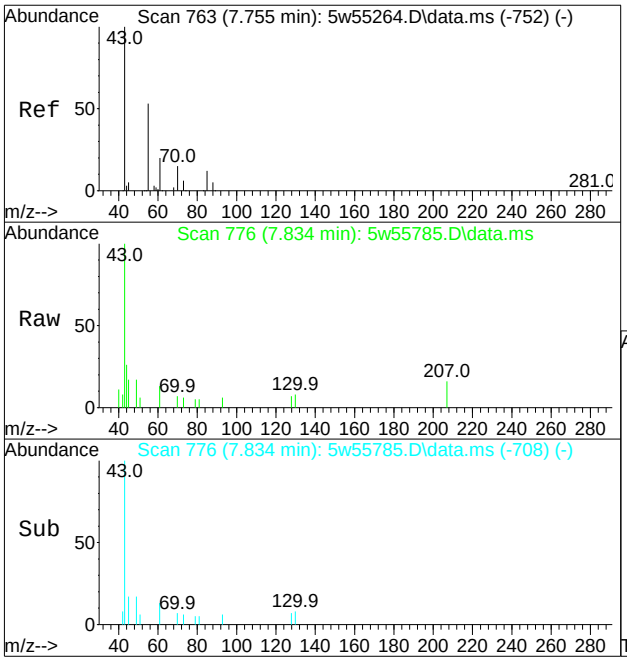




#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 30.2 | 4.5 | 64.5 |
| 42 | 16.3 | 0.0 | 38.6 |

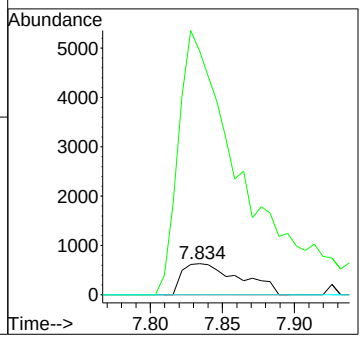


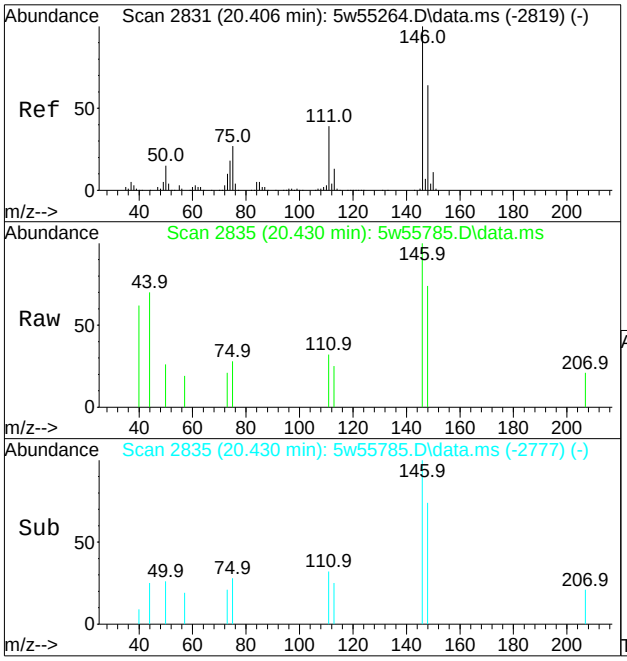



#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 1032.1 | 0.0 | 30.0# |
| 88 | 0.0 | 7.3 | 67.3# |

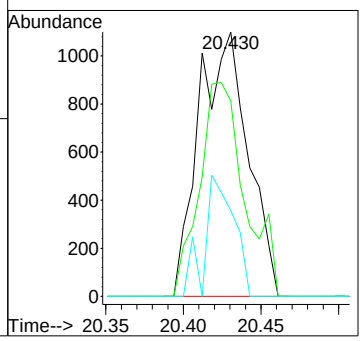


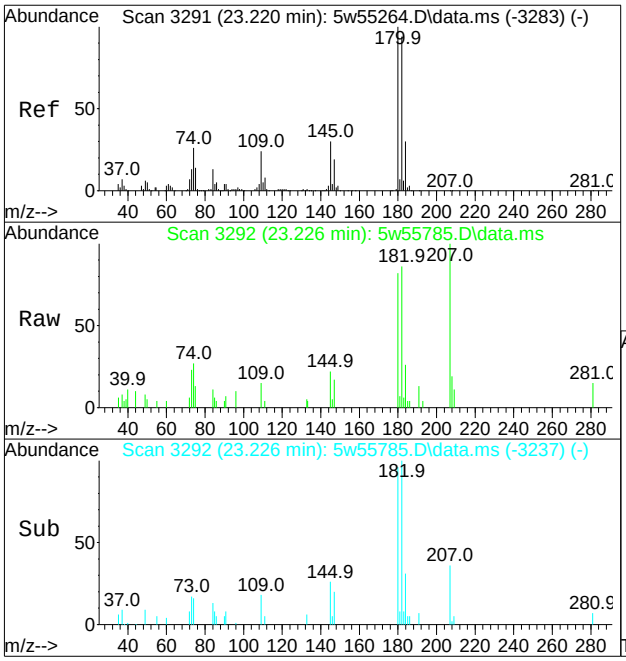




#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 74.4 | 33.8 | 93.8 |
| 111 | 27.3 | 11.3 | 71.3 |

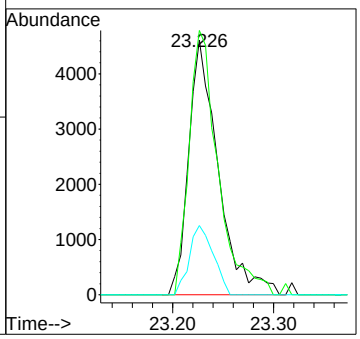


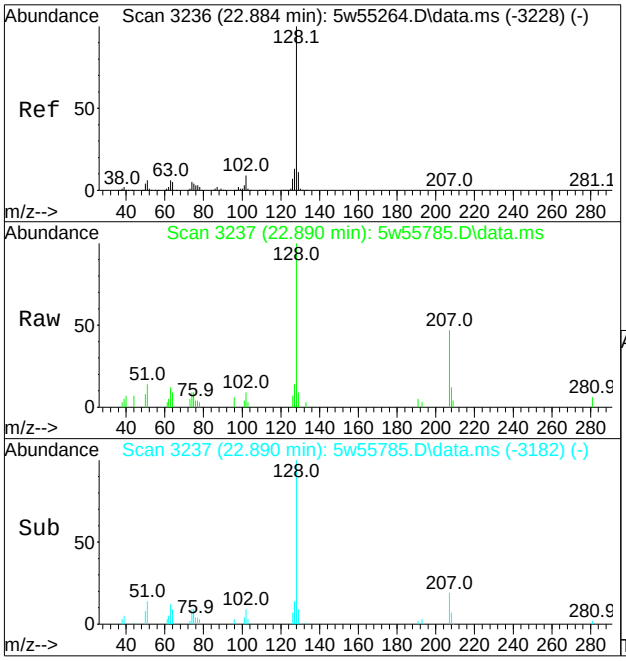



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.6 | 66.4 | 126.4 |
| 145 | 22.0 | 0.2 | 60.2 |

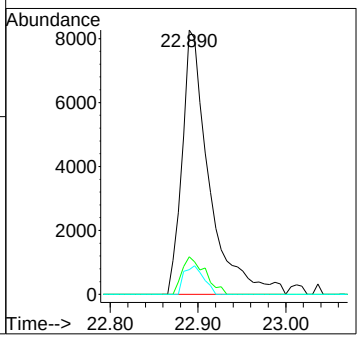



#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 0.0 | 43.1 |
| 129 | 7.9 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

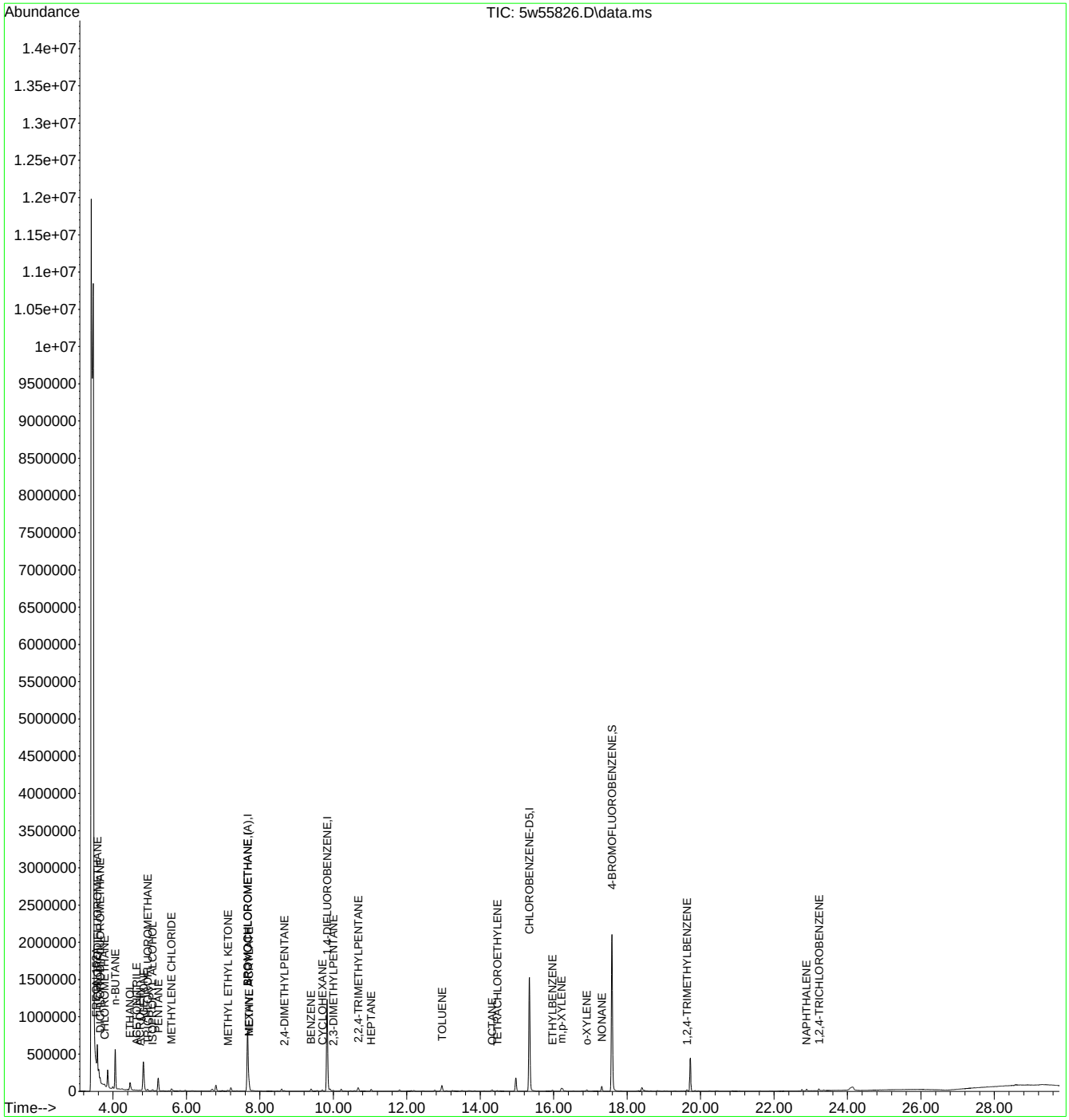
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 217553 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1077292 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 621263 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 217553 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 760224 | 10.93 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.30% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 17612 | 1.0942 | PPBV # | 43 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 70935 | 8.4993 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 33315 | 0.4190 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 4470 | 0.4360 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 439213 | 9.4501 | PPBV # | 94 |
| 17) ACETONITRILE | 4.635 | 41 | 3723 | 0.1387 | PPBV # | 70 |
| 18) ACROLEIN | 4.732 | 56 | 1588 | 0.1355 | PPBV # | 50 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 17117 | 0.2330 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 24215 | 0.5202 | PPBV | 88 |
| 23) ACETONE | 4.836 | 58 | 63014 | 3.5913 | PPBV # | 12 |
| 24) PENTANE | 5.234 | 42 | 77918 | 3.3694 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 128568 | 7.5359 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13335 | 0.5844 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 46133 | 1.3534 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.124 | 72 | 5405 | 0.5728 | PPBV | 88 |
| 45) METHYL ACRYLATE | 7.706 | 55 | 5623 | 0.1357 | PPBV # | 56 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 3784 | 0.1015 | PPBV | 88 |
| 52) BENZENE | 9.394 | 78 | 32183 | 0.4122 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 7334 | 0.2500 | PPBV | 95 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 2176 | 0.1374 | PPBV # | 86 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 42861 | 0.3615 | PPBV | 85 |
| 62) HEPTANE | 11.028 | 43 | 12558 | 0.3032 | PPBV | 91 |
| 66) TOLUENE | 12.961 | 92 | 40482 | 0.7412 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 2473 | 0.0609 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 19766 | 0.3622 | PPBV # | 55 |
| 79) ETHYLBENZENE | 15.964 | 91 | 15737 | 0.1374 | PPBV | 92 |
| 80) m,p-XYLENE | 16.209 | 106 | 24925 | 0.5735 | PPBV | 98 |
| 81) o-XYLENE | 16.901 | 106 | 6839 | 0.1621 | PPBV | 88 |
| 83) NONANE | 17.310 | 43 | 31896 | 0.5601 | PPBV | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 11668 | 0.1080 | PPBV # | 40 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9822 | 0.1428 | PPBV | 95 |
| 108) NAPHTHALENE | 22.884 | 128 | 19361 | 0.1282 | PPBV | 97 |

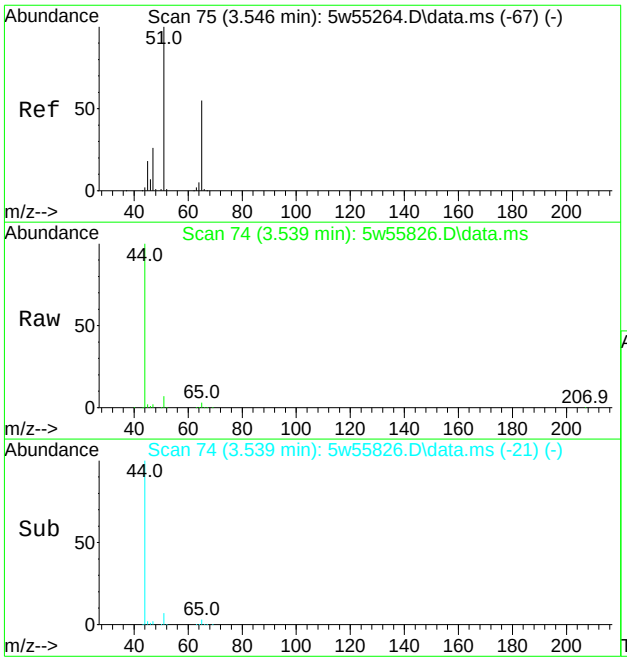
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

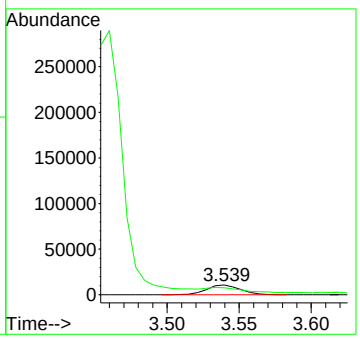


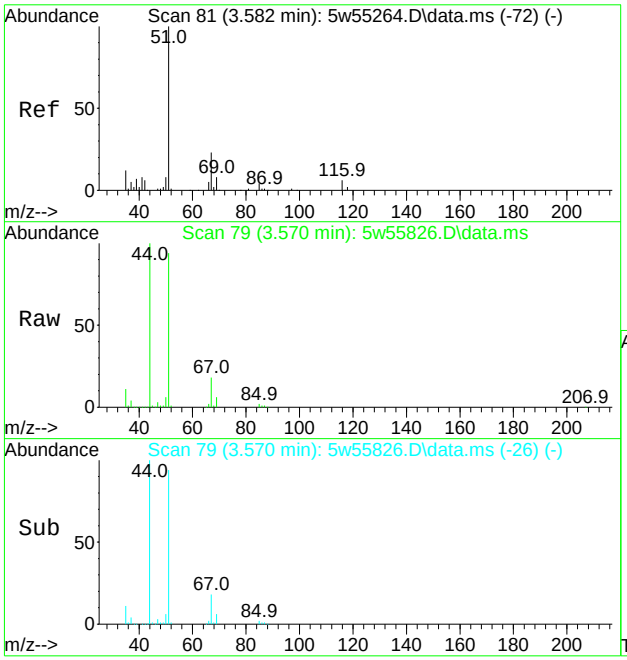



#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

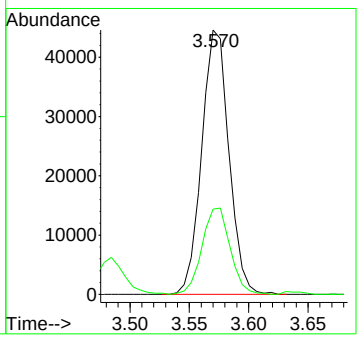


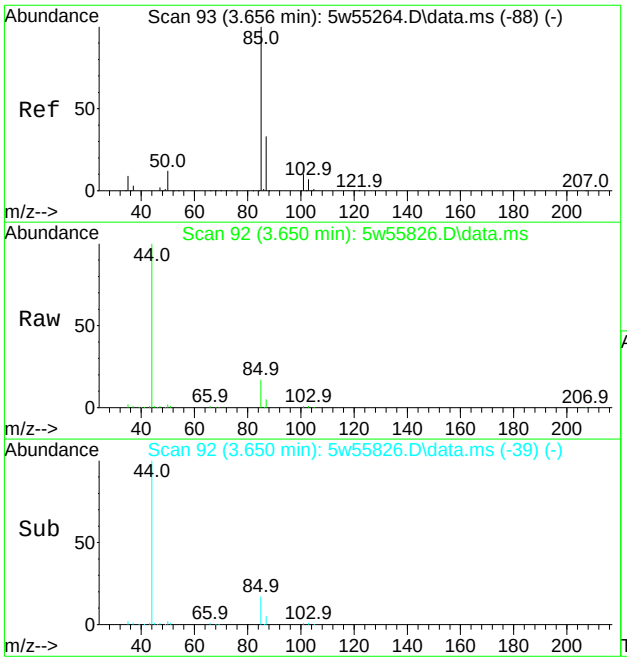




#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.3 | 2.9 | 62.9 |

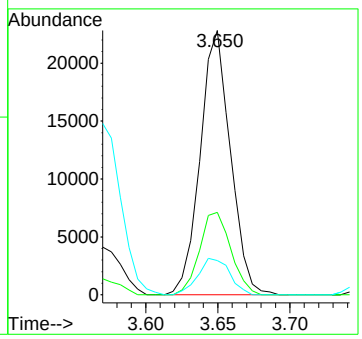


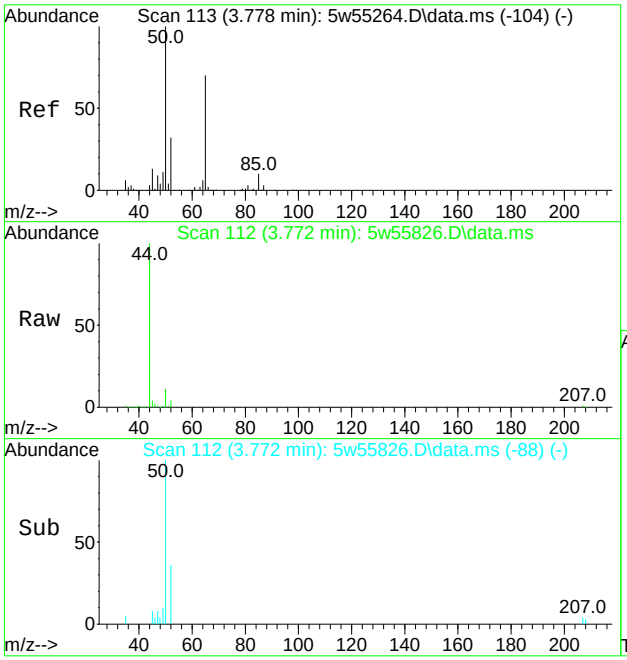



#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 2.6 | 62.6 |
| 50 | 14.5 | 0.0 | 43.0 |

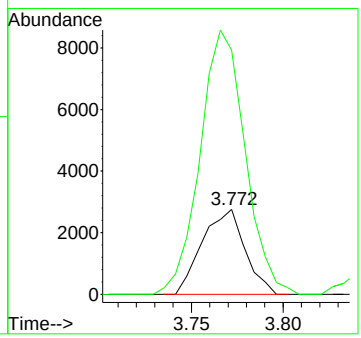


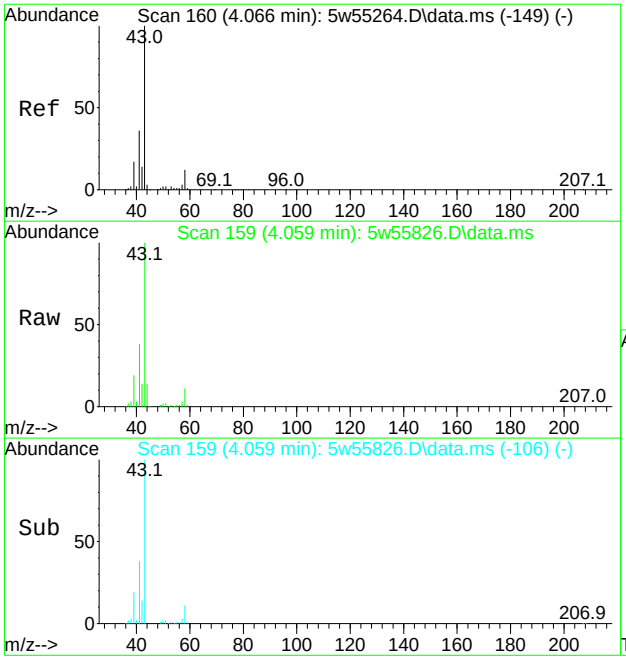




#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 278.9 | 287.9 | 347.9# |

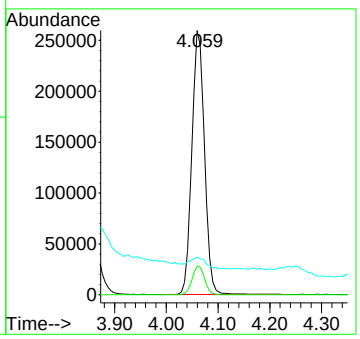


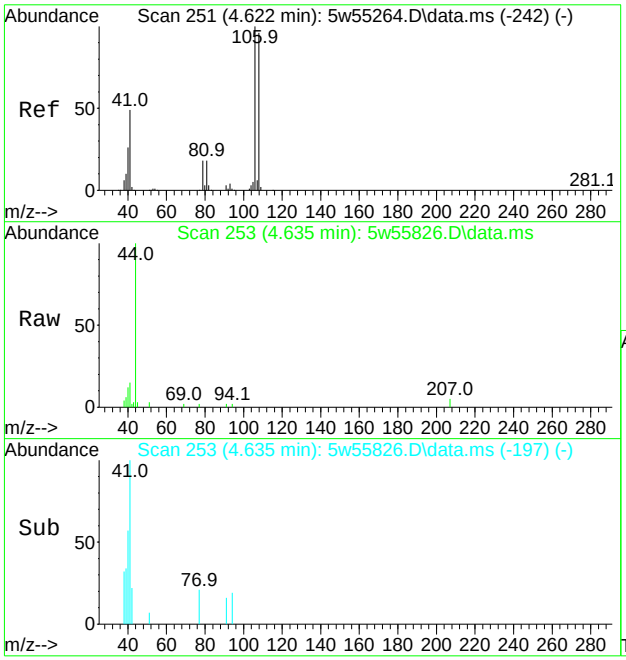



#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

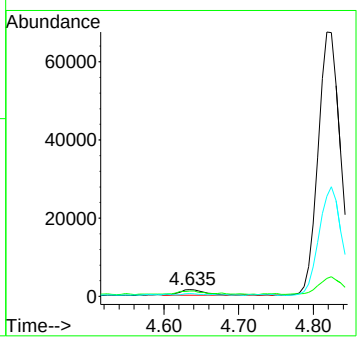


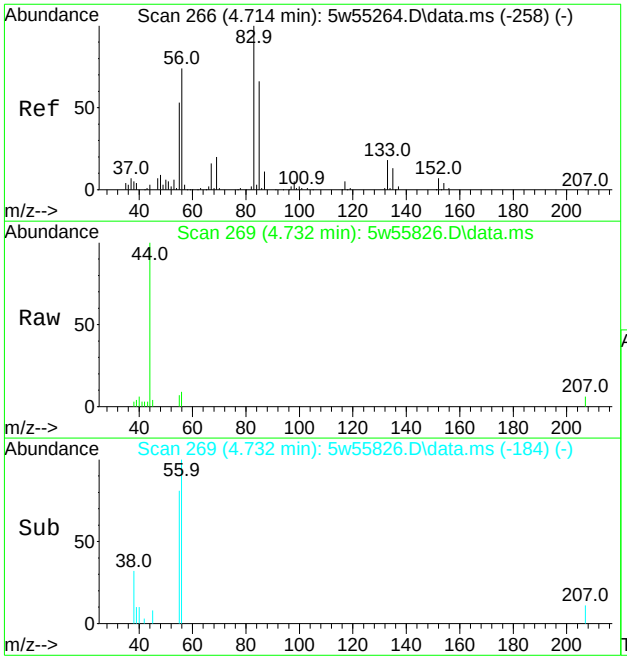




#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 80.2 | 38.4 | 71.4# |
| 39 | 27.1 | 13.7 | 25.5# |

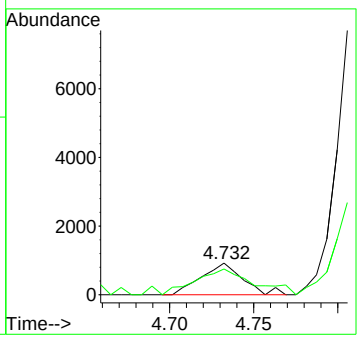


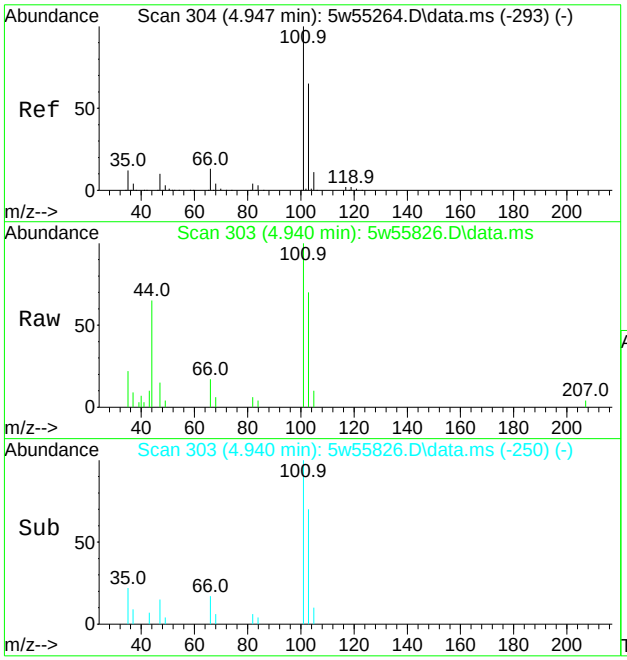



#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 112.4 | 49.8 | 92.6# |

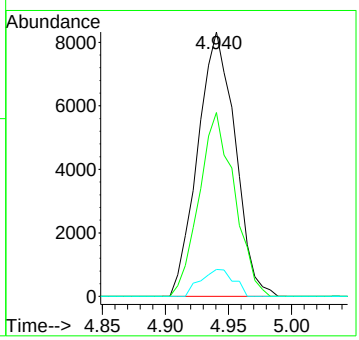


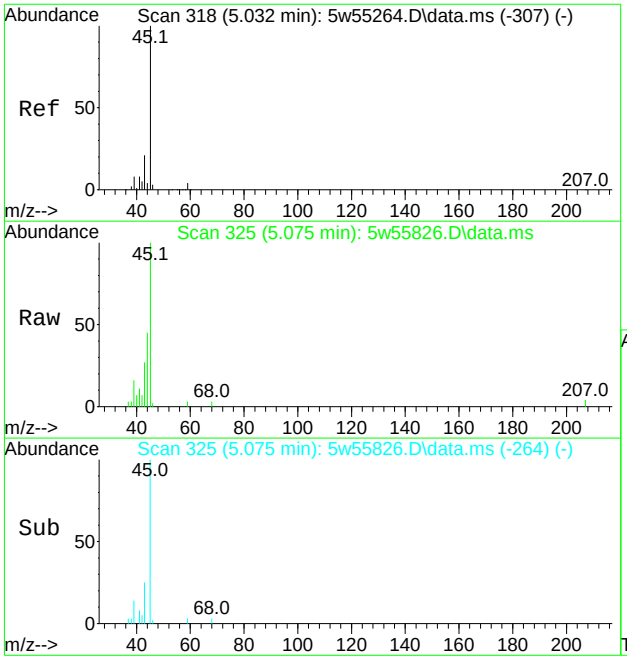




#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.9 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

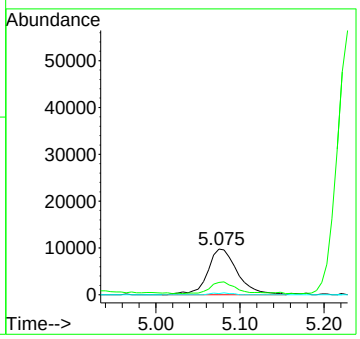


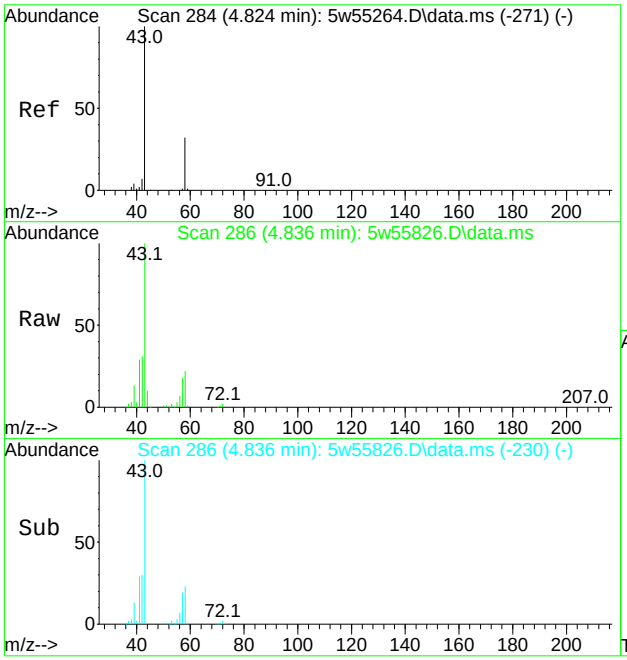



#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.1 | 0.0 | 50.8 |
| 59 | 2.7 | 0.0 | 33.8 |

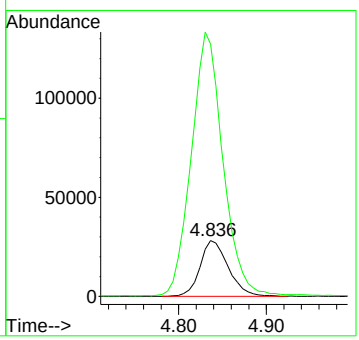


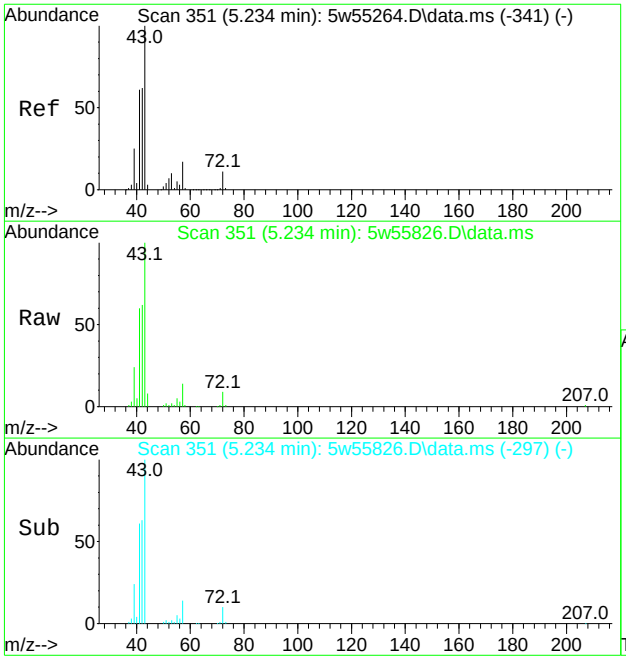




#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 530.6 | 312.3 | 372.3# |

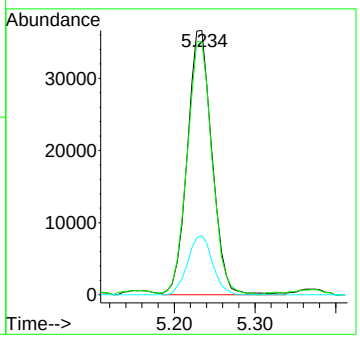


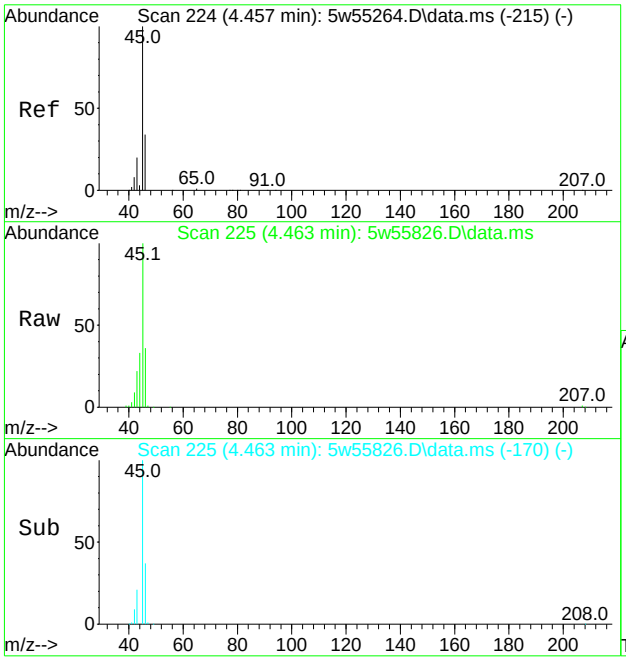



#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.8 | 64.4 | 124.4 |
| 57 | 22.4 | 0.0 | 55.0 |

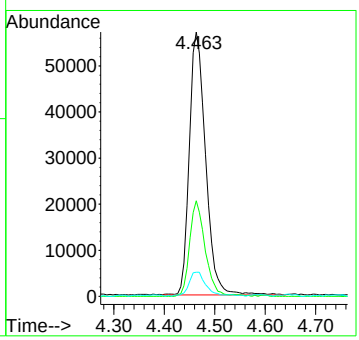


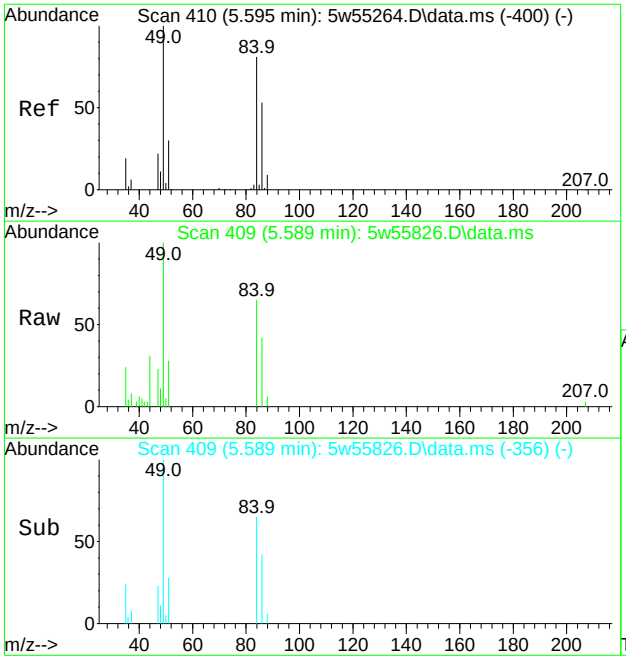




#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 10.1 | 0.0 | 38.6 |

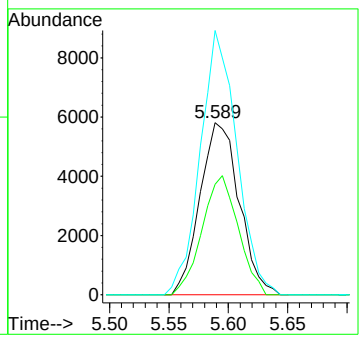


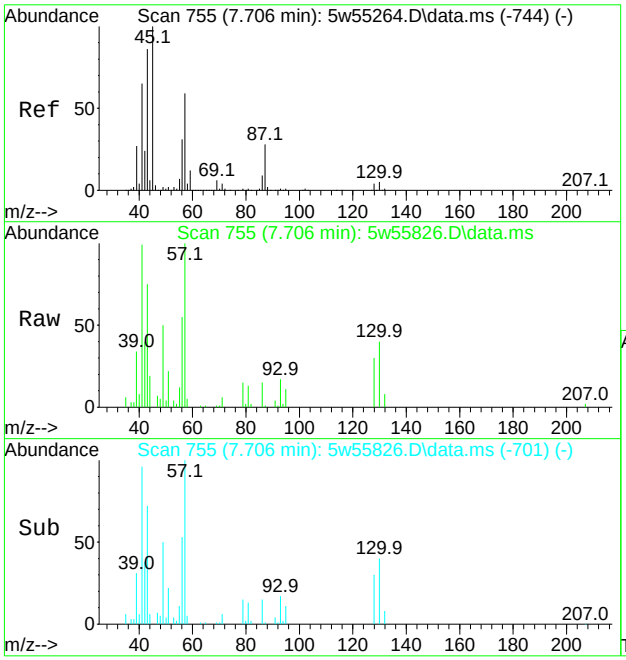



#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.7 | 34.0 | 94.0 |
| 49 | 143.0 | 105.8 | 165.8 |

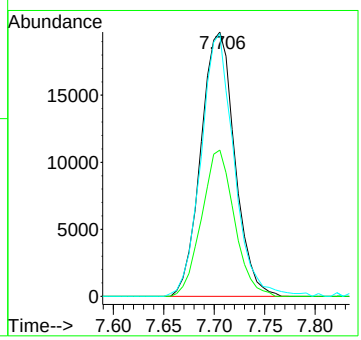


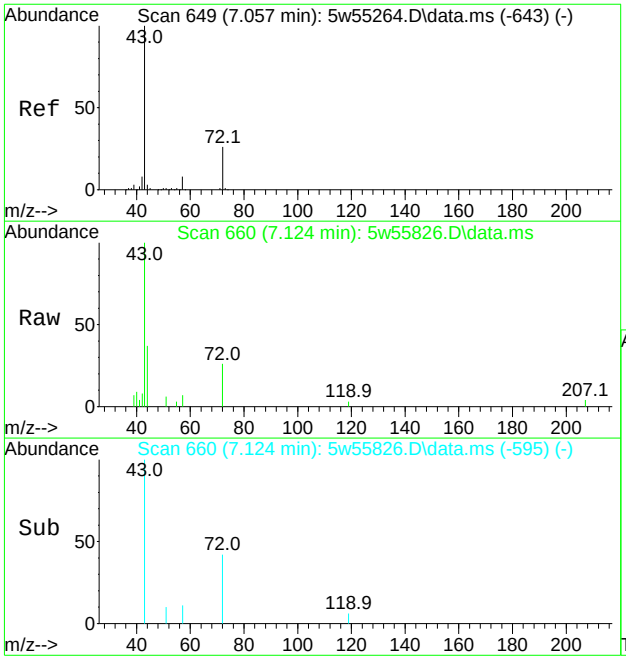




#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.4 | 24.2 | 84.2 |
| 41 | 97.1 | 92.1 | 152.1 |

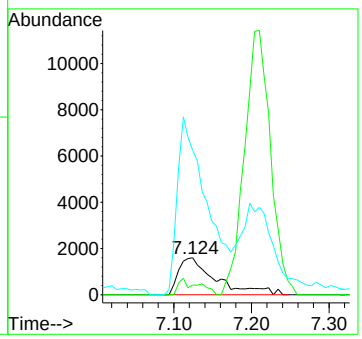


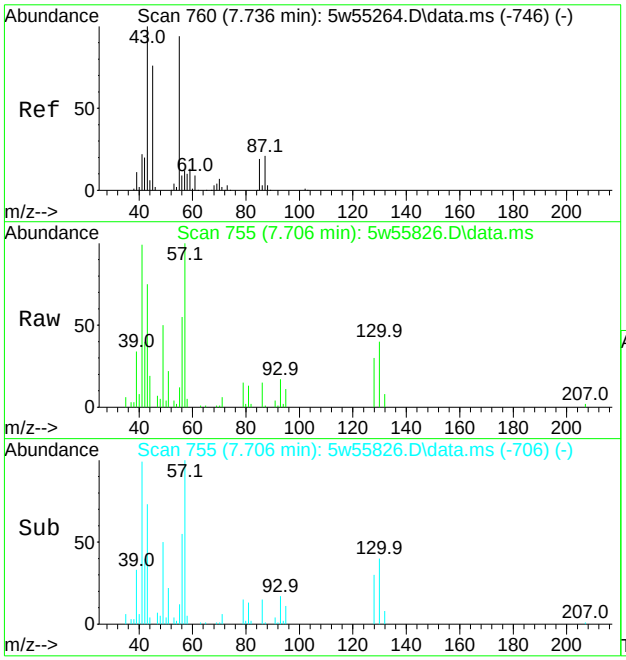



#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 26.9 | 1.1 | 61.1 |
| 43 | 390.7 | 390.6 | 450.6 |

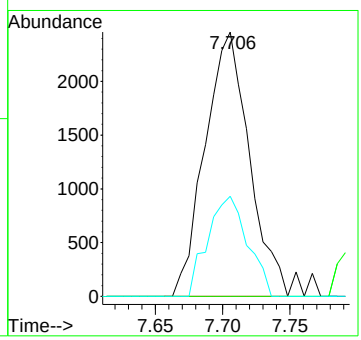


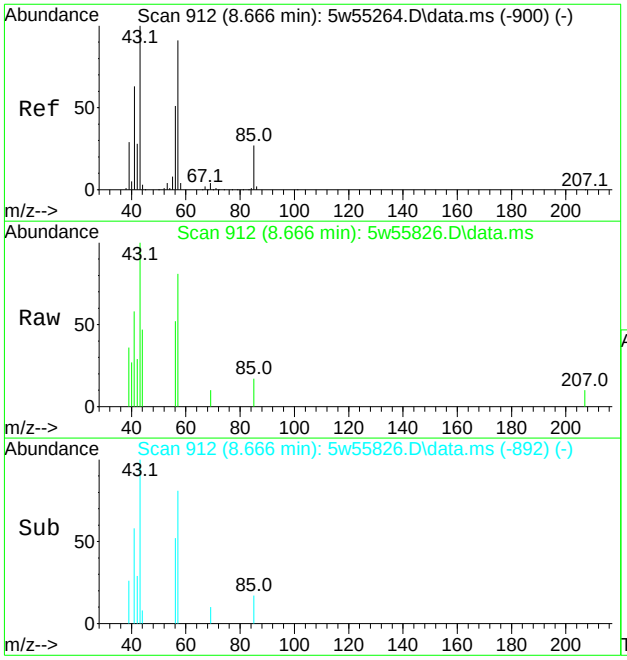




#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 11.4 | 21.2# |
| 58 | 34.2 | 9.7 | 17.9# |

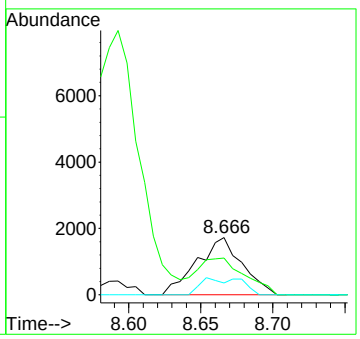


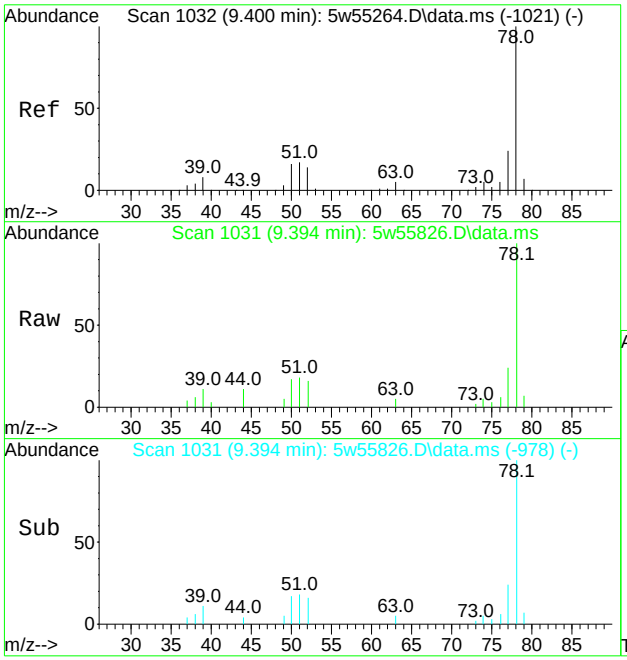



#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 69.1 | 26.4 | 86.4 |
| 85 | 26.3 | 0.0 | 56.0 |

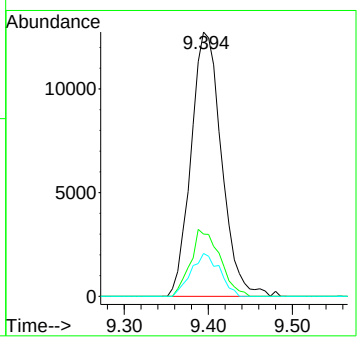


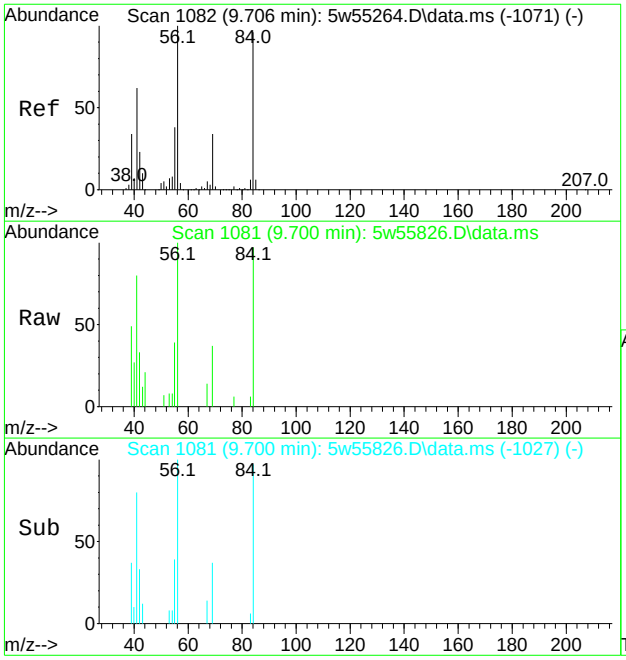




#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 0.0 | 54.0 |
| 52 | 15.2 | 0.0 | 45.6 |

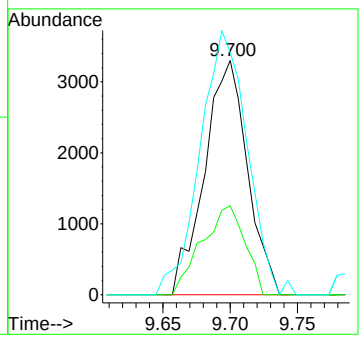


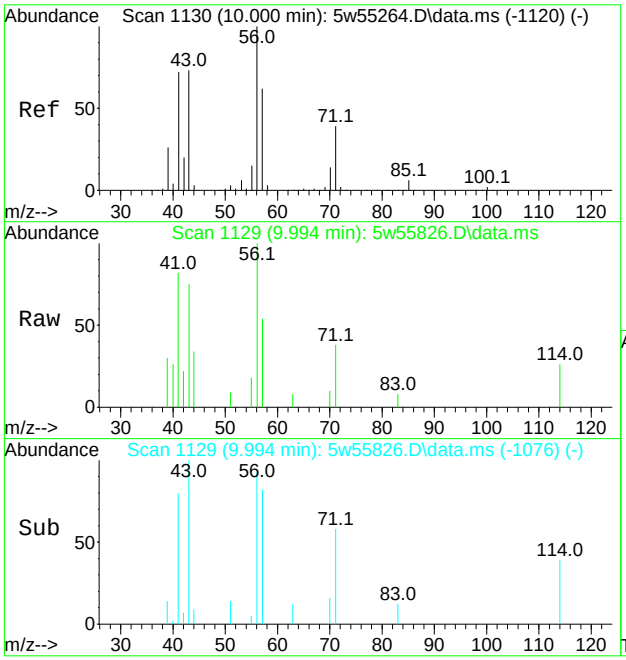



#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.0 | 7.0 | 67.0 |
| 56 | 123.5 | 86.5 | 146.5 |

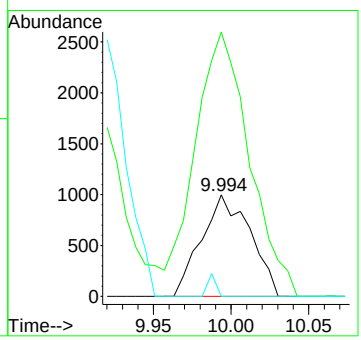


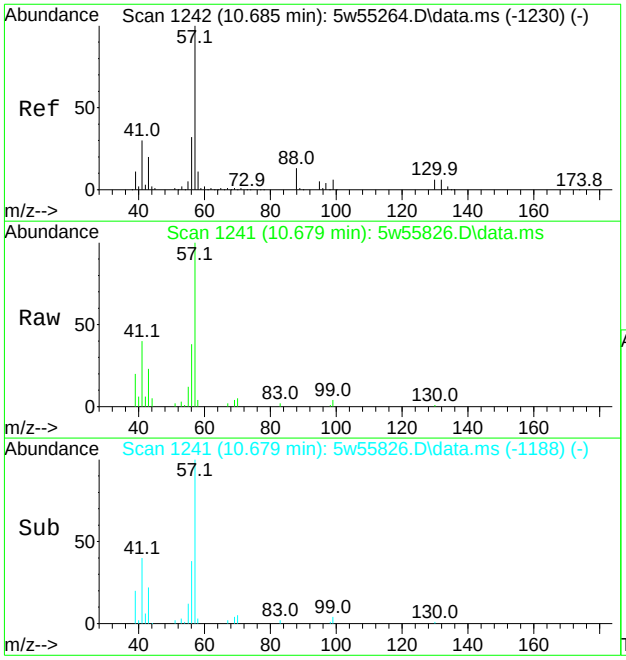




#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.2 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

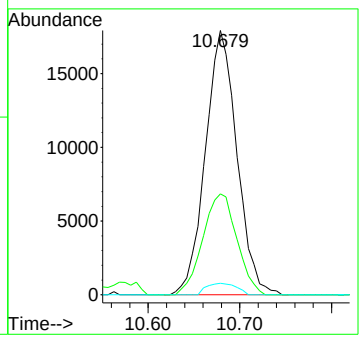


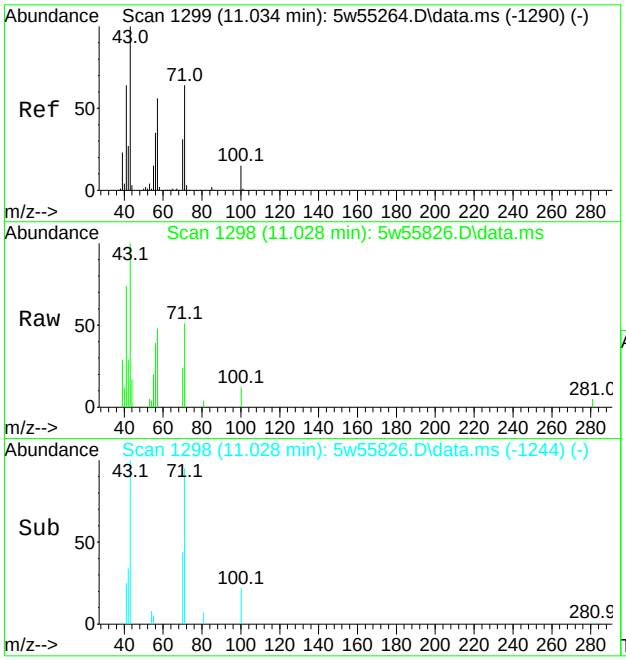



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.2 | 2.2 | 62.2 |
| 99 | 4.1 | 0.0 | 37.6 |

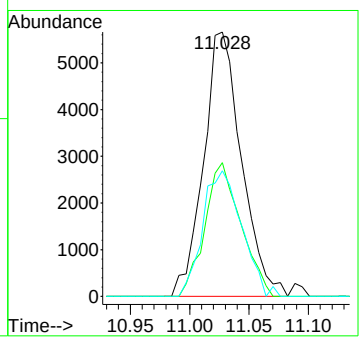


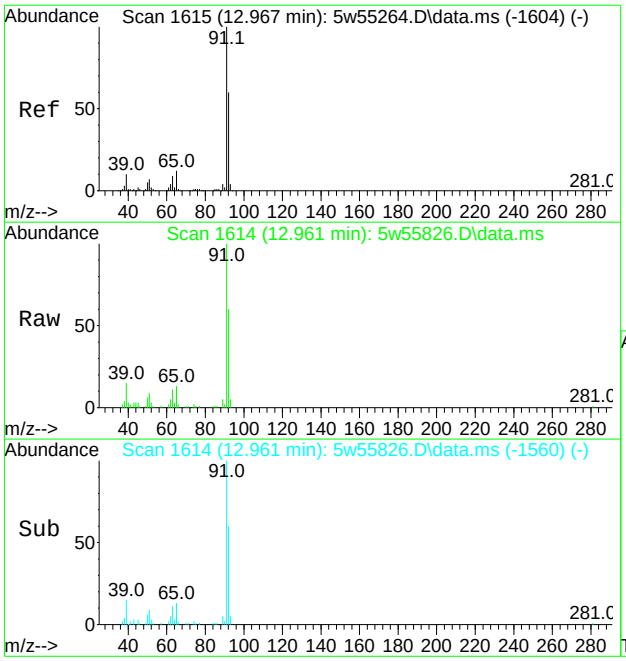




#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 48.0 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

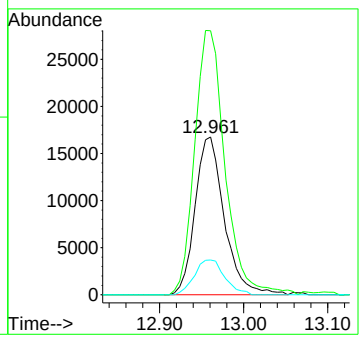


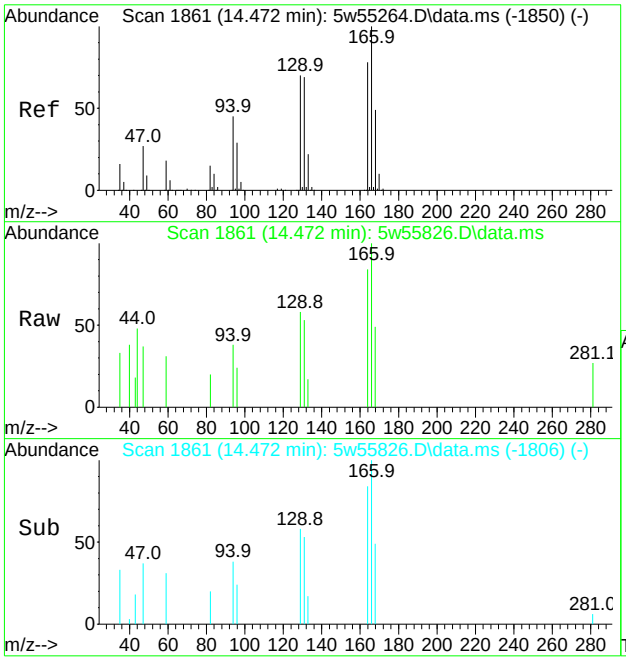



#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.0 | 143.4 | 203.4 |
| 65 | 22.9 | 0.0 | 53.8 |

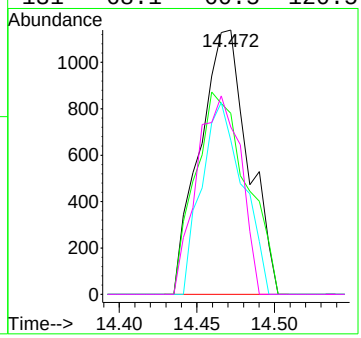


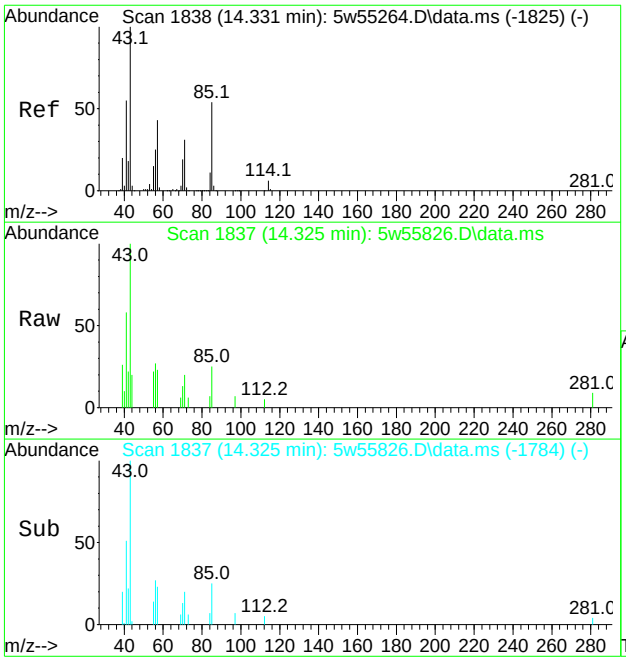




#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 81.1 | 64.4 | 124.4 |
| 168 | 62.3 | 31.2 | 91.2 |
| 131 | 68.1 | 60.5 | 120.5 |

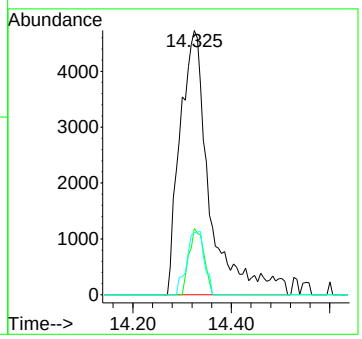


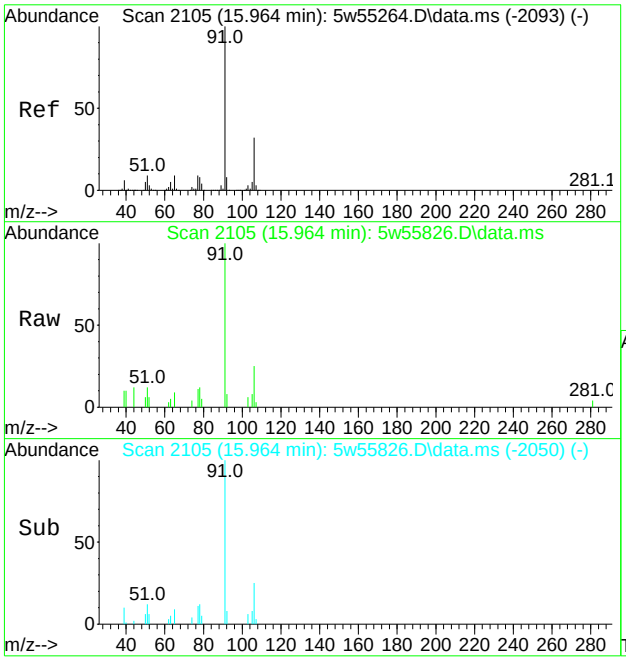



#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 12.6 | 13.7 | 73.7# |
| 57 | 14.3 | 9.9 | 69.9 |

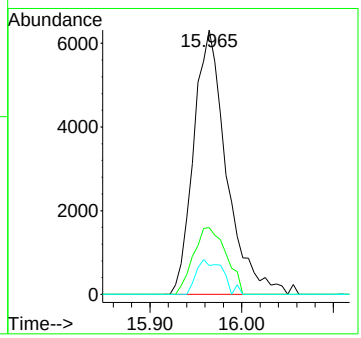


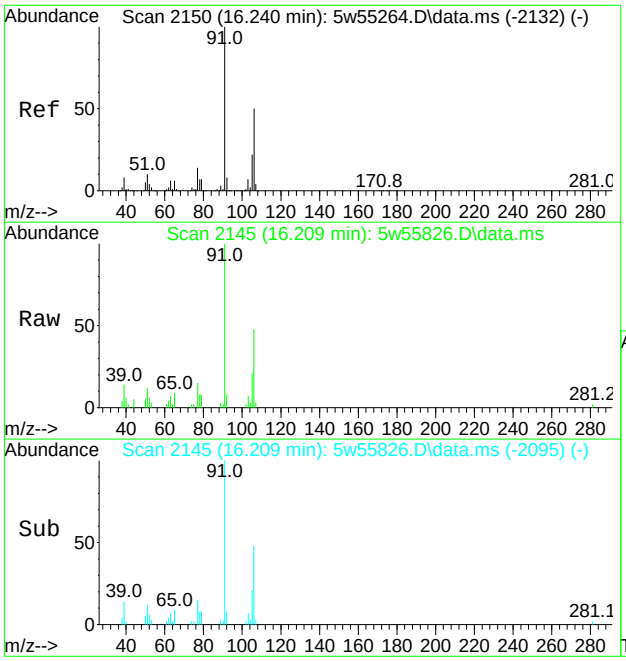




#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.2 | 0.0 | 59.9 |
| 77 | 10.5 | 0.0 | 39.1 |

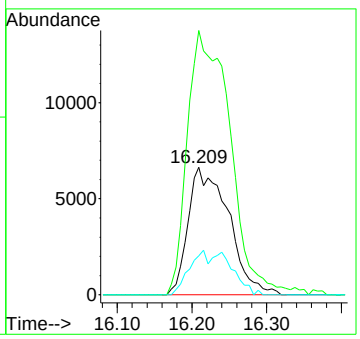


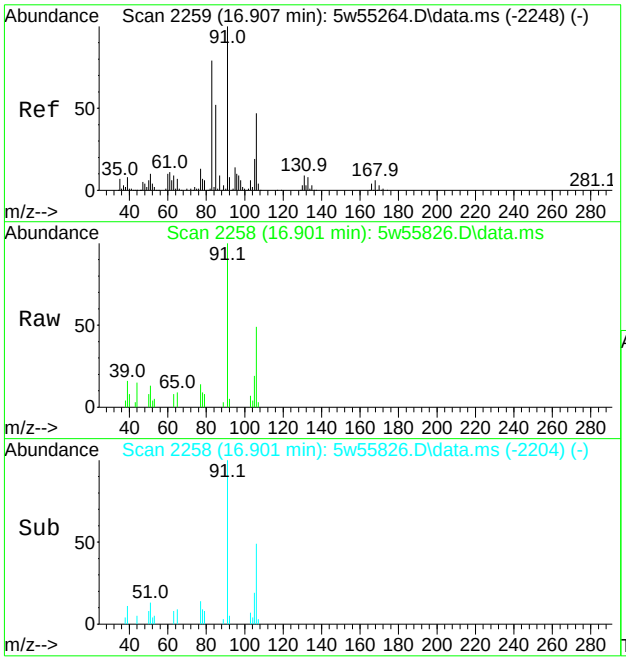



#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 181.2 | 241.2 |
| 77 | 30.6 | 0.1 | 60.1 |

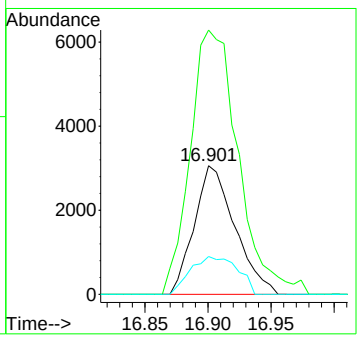


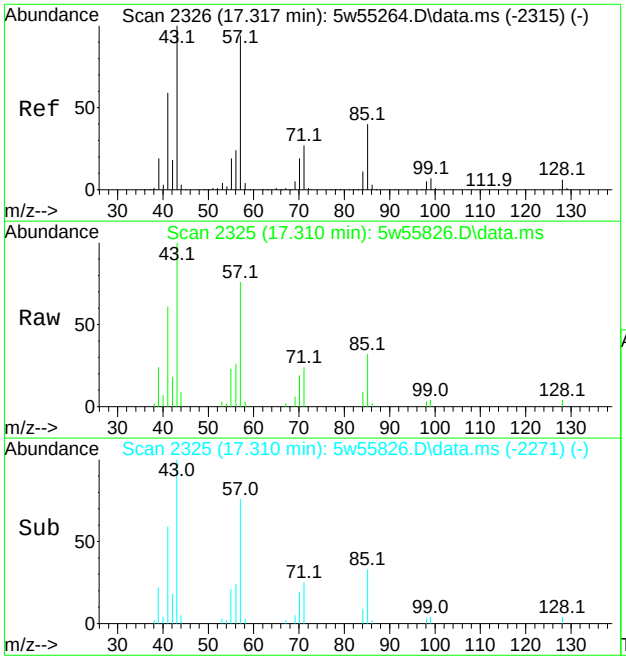




#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 243.0 | 193.4 | 253.4 |
| 77 | 34.1 | 0.0 | 59.8 |

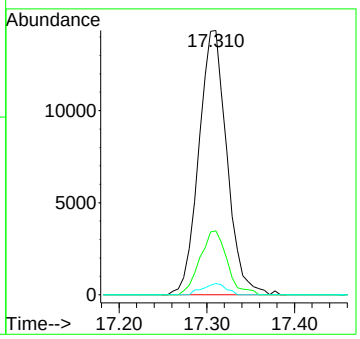


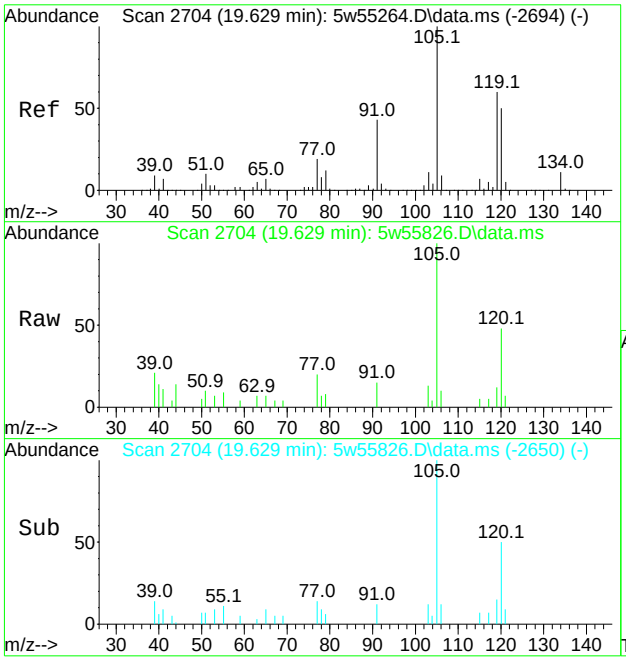



#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 23.4 | 0.0 | 53.8 |
| 128 | 3.6 | 0.0 | 34.3 |

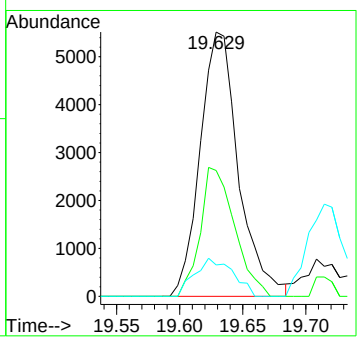


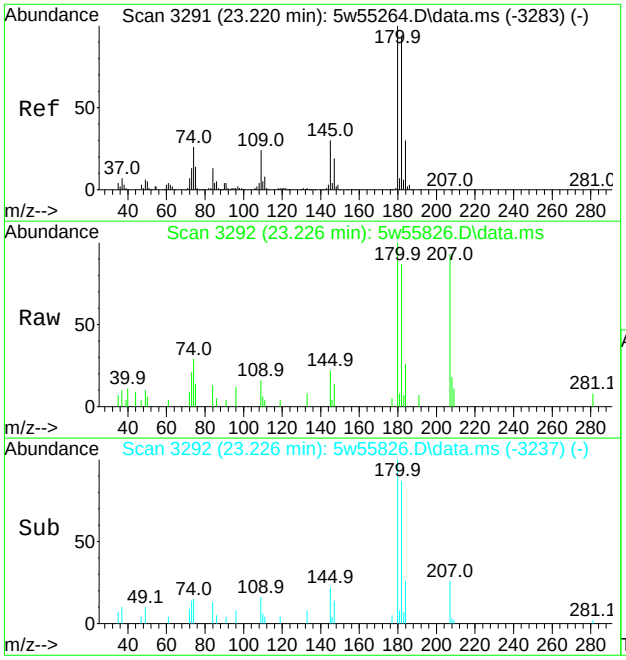




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.6 | 82.6 |
| 119 | 14.3 | 69.7 | 129.7# |

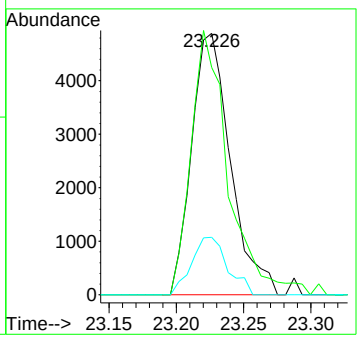


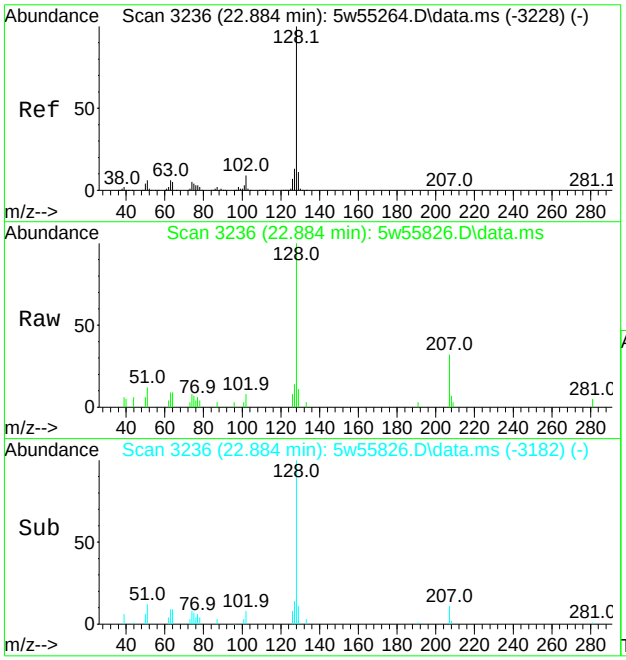



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 66.4 | 126.4 |
| 145 | 20.4 | 0.2 | 60.2 |

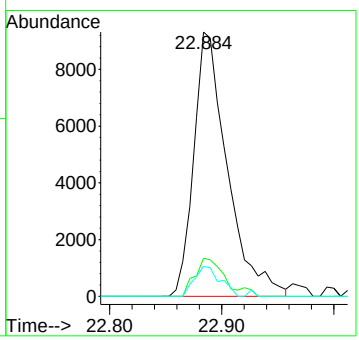



#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 0.0 | 43.1 |
| 129 | 8.7 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09977.d
Acq On : 26 Oct 2024 7:22 am
Operator : thomash
Sample : scc(m139),cp12902 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 13:18:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

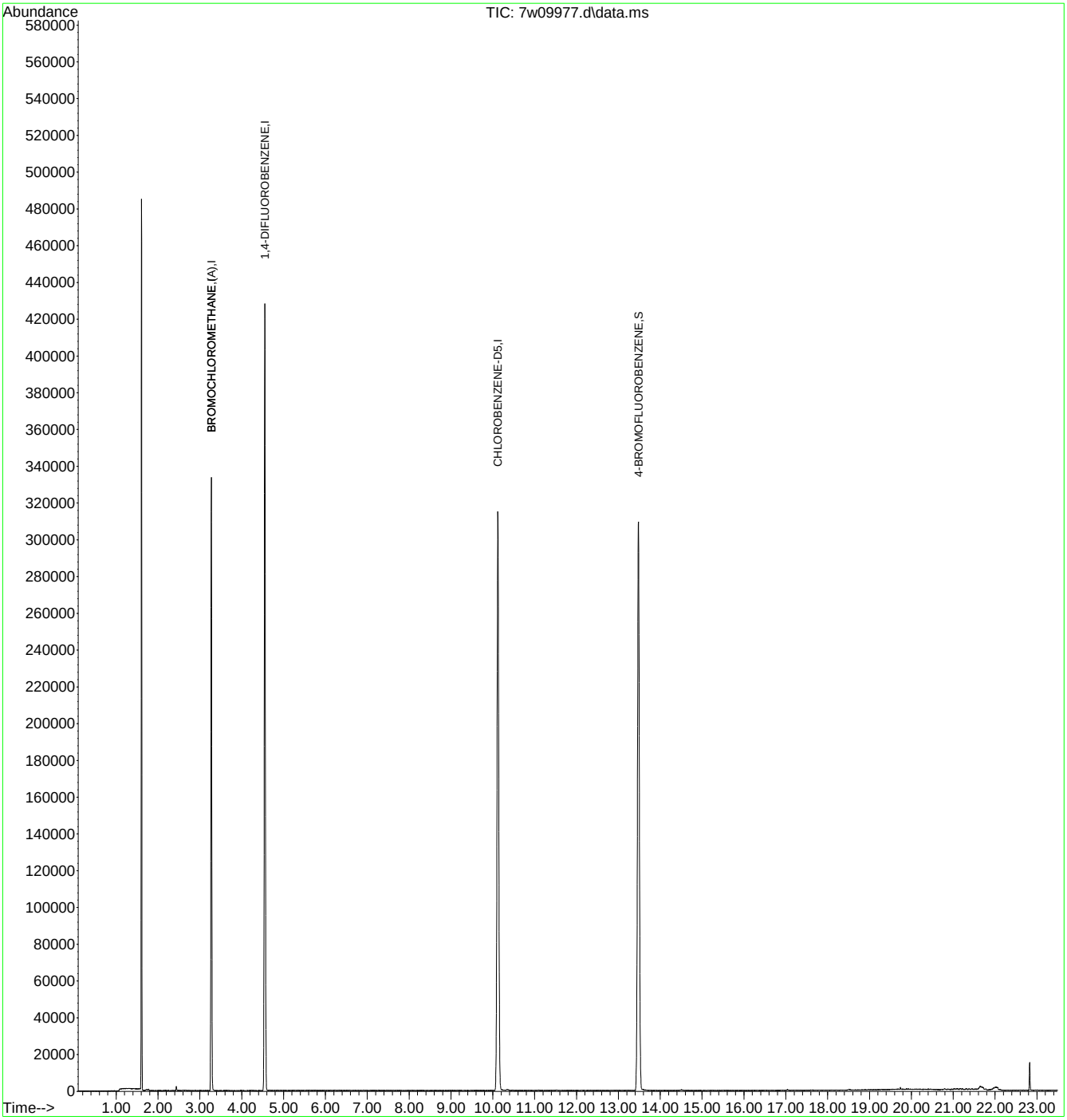
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 64486 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 325680 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 292755 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 64486 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 201366 | 9.38 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09977.d
Acq On : 26 Oct 2024 7:22 am
Operator : thomash
Sample : scc(m139),cp12902 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 28 13:18:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

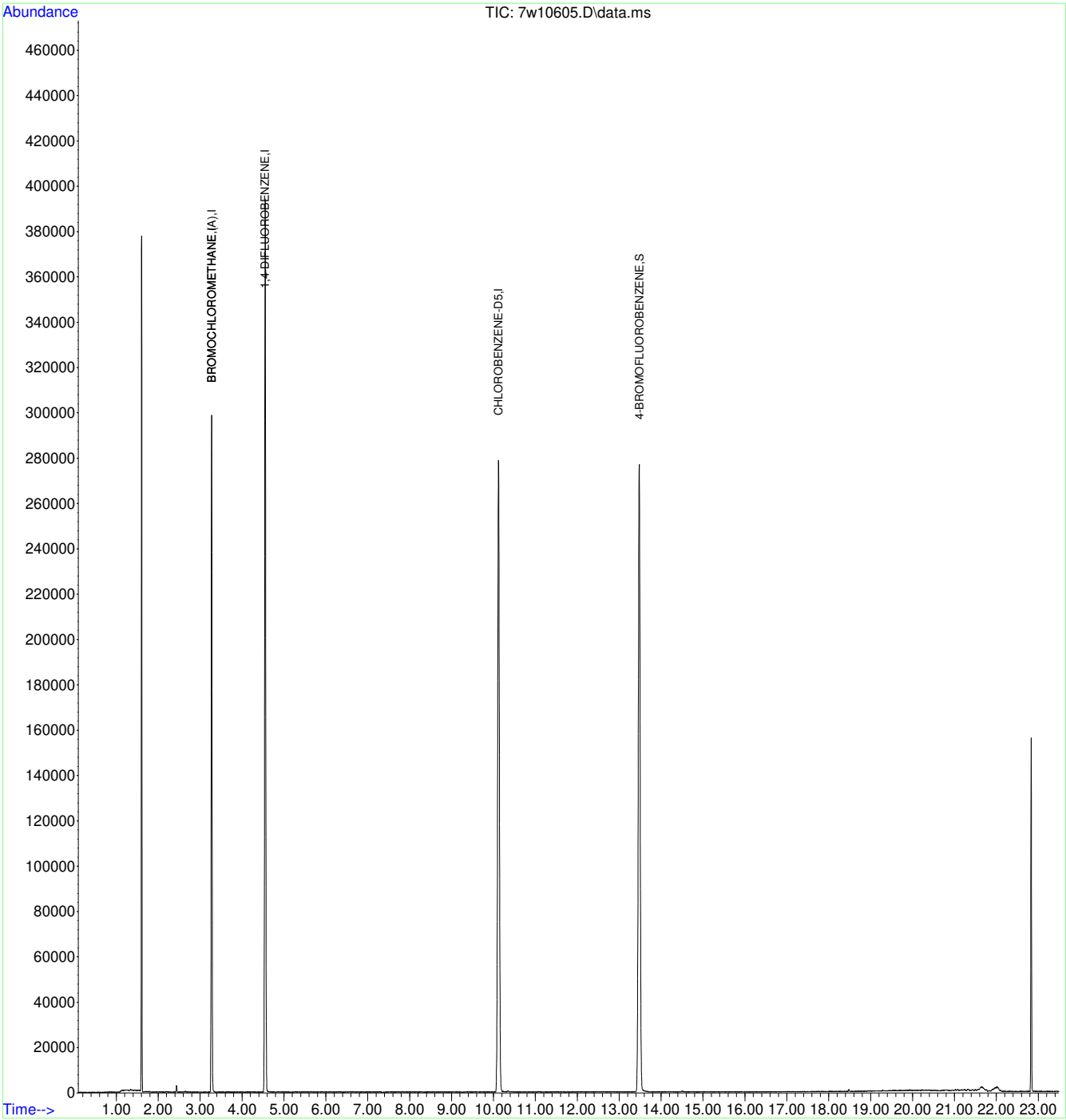
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 303415 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 282366 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 175288 | 8.46 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

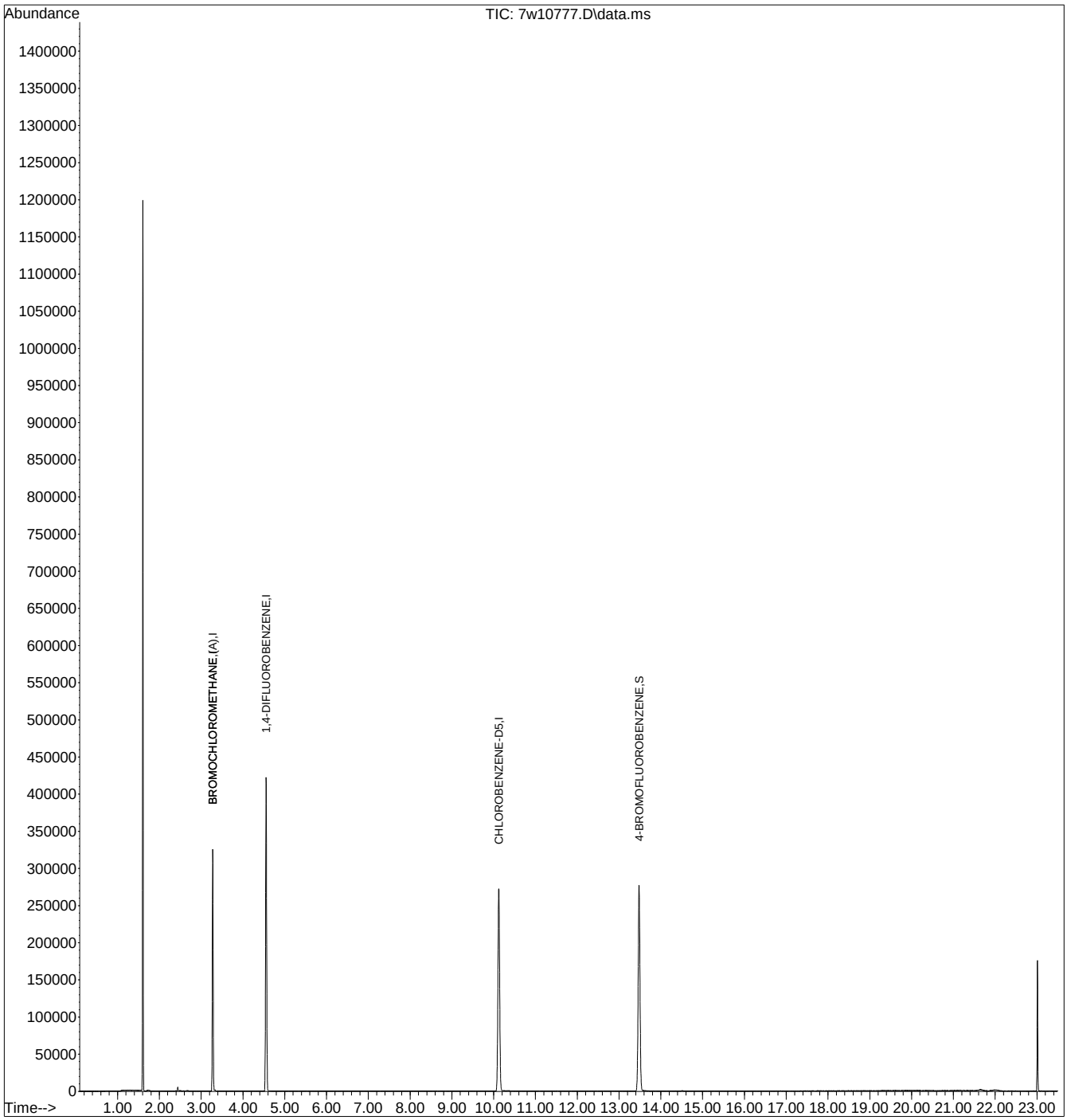
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 294531 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 228023 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 166608 | 9.96 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

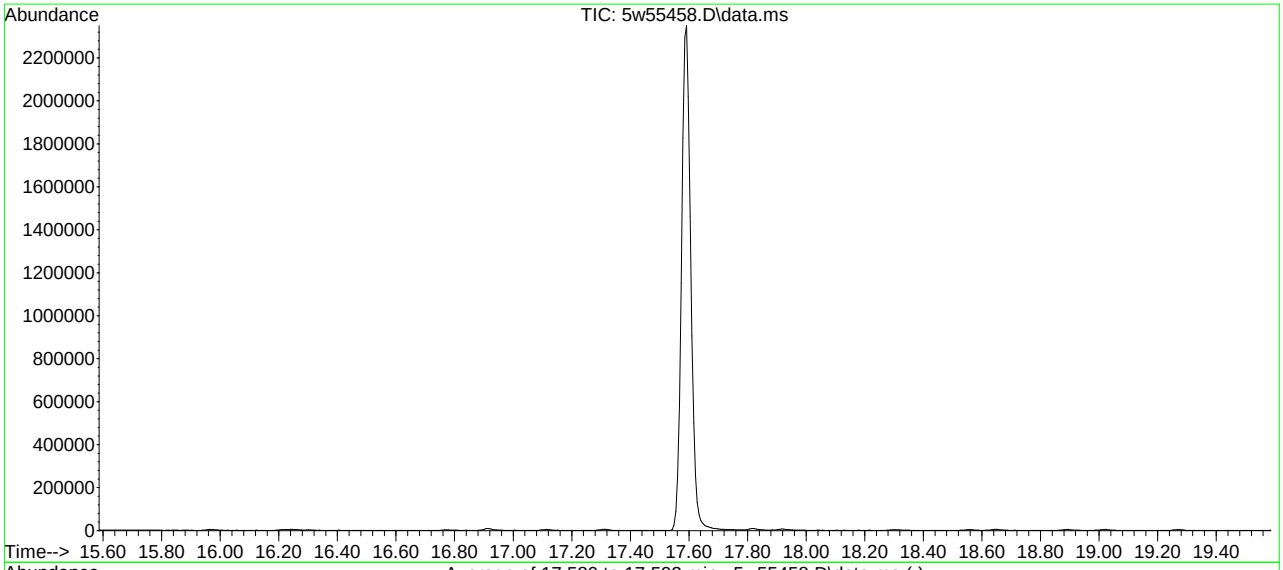
Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

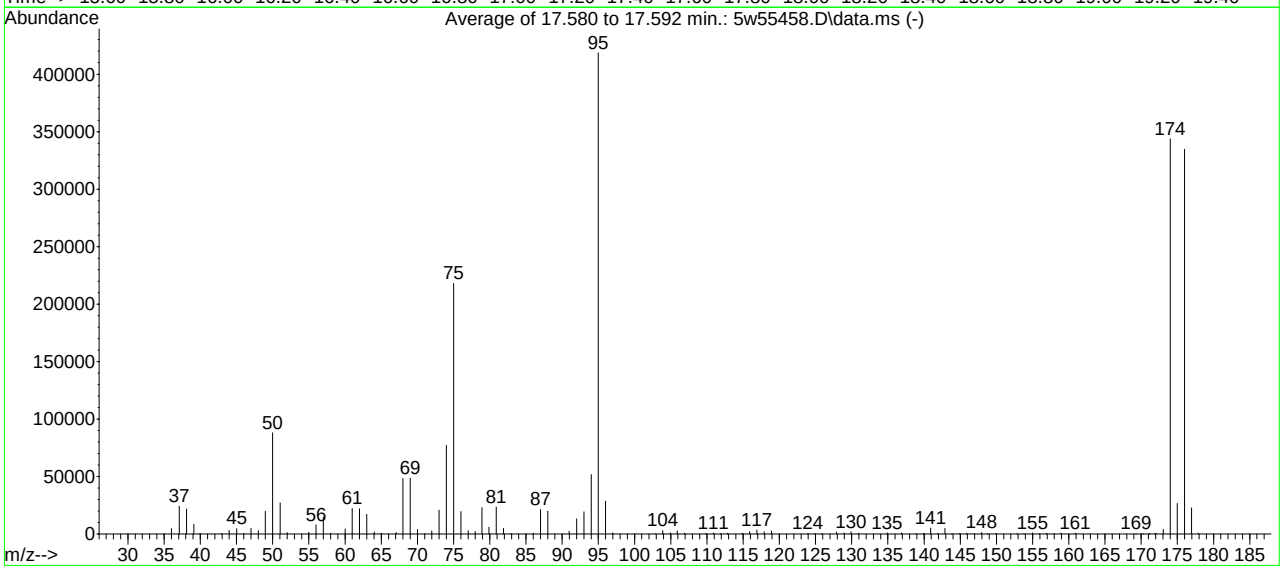


BFB

Data File : C:\msdchem\1\DATA\5w55458.D  Vial: 3
Acq On : 9 Dec 2024 3:34 am  Operator: benk
Sample : bfb  Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.0 | 87907 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 218027 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 418581 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 28349 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3695 | PASS |
| 174 | 95 | 50 | 120 | 82.1 | 343765 | PASS |
| 175 | 174 | 4 | 9 | 7.7 | 26424 | PASS |
| 176 | 174 | 93 | 101 | 97.4 | 334720 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 22512 | PASS |

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 4407 | 49.00 | 19752 | 63.00 | 17050 | 75.00 | 218027 |
| 37.10 | 24149 | 50.00 | 87907 | 64.05 | 1657 | 76.00 | 19280 |
| 38.10 | 21723 | 51.05 | 26971 | 65.00 | 509 | 77.00 | 2866 |
| 39.10 | 8398 | 52.00 | 1164 | 67.05 | 1085 | 78.00 | 2061 |
| 39.95 | 461 | 55.00 | 1419 | 68.00 | 48216 | 78.90 | 22733 |
| 42.95 | 285 | 56.00 | 7959 | 69.00 | 48400 | 79.90 | 5787 |
| 44.00 | 3174 | 57.00 | 14433 | 70.00 | 3854 | 80.90 | 23309 |
| 45.05 | 4430 | 58.00 | 691 | 71.00 | 83 | 81.90 | 4746 |
| 46.05 | 362 | 60.00 | 4331 | 72.00 | 2495 | 82.95 | 482 |
| 47.00 | 4807 | 61.00 | 22131 | 73.00 | 20691 | 86.00 | 549 |
| 48.00 | 2719 | 62.00 | 21965 | 74.00 | 77016 | 87.00 | 21008 |

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.00 | 20003 | 105.90 | 2548 | 123.95 | 315 | 140.90 | 5011 |
| 90.95 | 2215 | 106.90 | 509 | 124.90 | 140 | 141.90 | 497 |
| 92.00 | 13106 | 109.85 | 391 | 125.85 | 219 | 142.90 | 4891 |
| 93.00 | 19059 | 110.90 | 592 | 127.90 | 1613 | 143.85 | 348 |
| 94.00 | 51672 | 111.90 | 484 | 128.95 | 795 | 144.95 | 461 |
| 95.00 | 418581 | 112.85 | 566 | 129.90 | 1786 | 145.90 | 568 |
| 96.00 | 28349 | 114.90 | 530 | 130.90 | 598 | 146.95 | 297 |
| 97.00 | 848 | 115.90 | 1936 | 134.90 | 880 | 147.95 | 1090 |
| 102.85 | 239 | 116.90 | 3369 | 136.90 | 963 | 148.80 | 258 |
| 103.90 | 2733 | 117.90 | 1949 | 138.90 | 79 | 149.95 | 436 |
| 104.95 | 754 | 118.90 | 2572 | 139.95 | 354 | 152.85 | 248 |

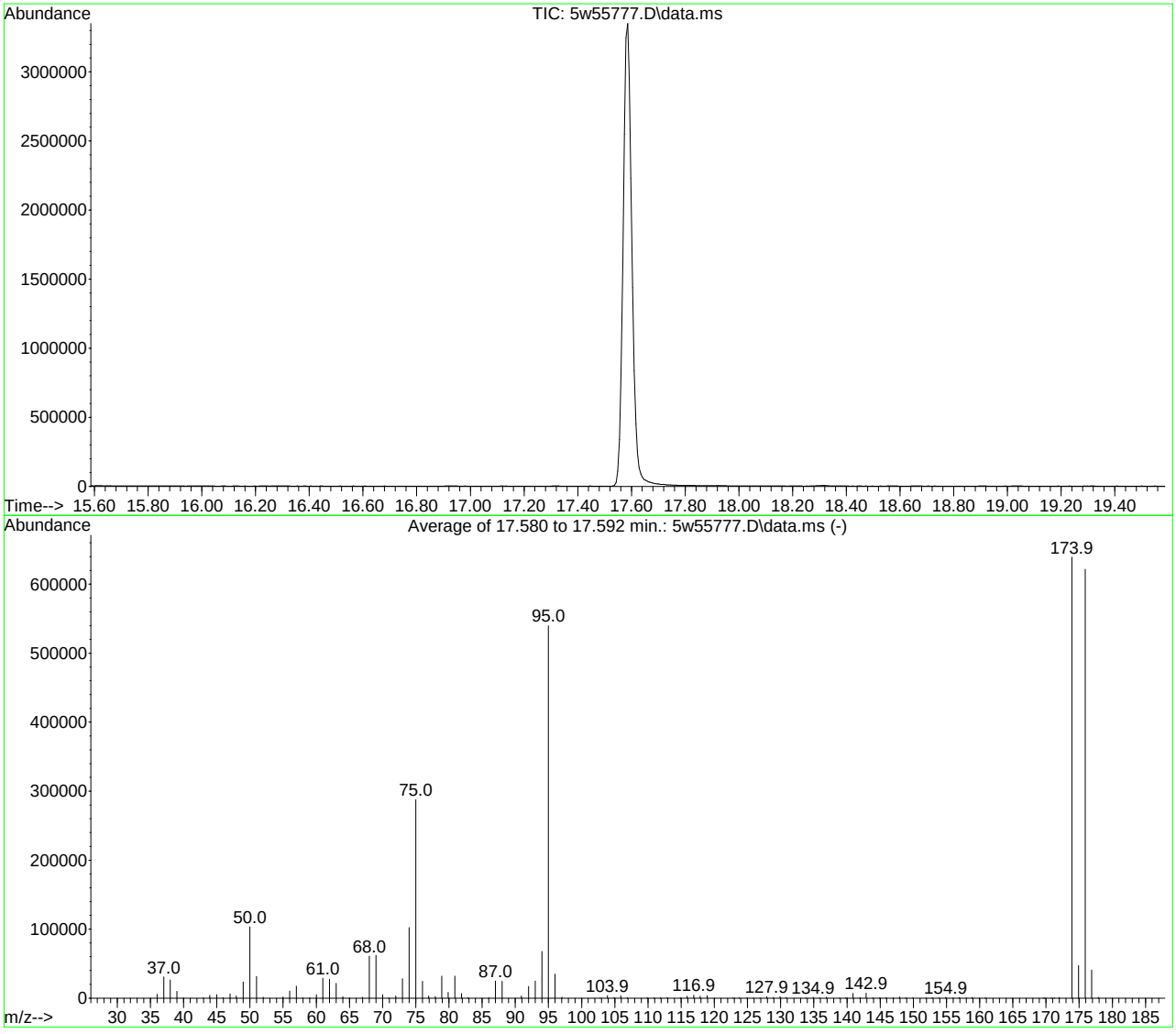
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 153.80 | 101 | 171.90 | 416 | | | | |
| 155.00 | 926 | 172.05 | 748 | | | | |
| 155.90 | 138 | 173.05 | 3695 | | | | |
| 156.95 | 736 | 174.00 | 343765 | | | | |
| 157.95 | 174 | 175.00 | 26424 | | | | |
| 158.90 | 535 | 176.00 | 334720 | | | | |
| 160.90 | 542 | 176.95 | 22512 | | | | |
| 169.30 | 75 | 177.90 | 590 | | | | |
| 170.00 | 113 | | | | | | |
| 170.35 | 183 | | | | | | |
| 171.15 | 260 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 19.2 | 103472 | PASS |
| 75 | 95 | 30 | 66 | 53.3 | 287701 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 539797 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 34869 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 118.4 | 639147 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 46992 | PASS |
| 176 | 174 | 93 | 101 | 97.3 | 621632 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 40723 | PASS |

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 5375 | 49.00 | 23344 | 62.00 | 27269 | 74.00 | 102227 |
| 37.00 | 30787 | 50.00 | 103472 | 63.00 | 21483 | 75.00 | 287701 |
| 38.00 | 26269 | 51.00 | 31461 | 64.00 | 1926 | 76.00 | 24525 |
| 39.00 | 10012 | 52.00 | 1300 | 65.05 | 376 | 76.95 | 3316 |
| 39.95 | 230 | 55.00 | 1505 | 66.95 | 1457 | 77.95 | 2608 |
| 42.95 | 322 | 56.00 | 10283 | 68.00 | 60795 | 78.90 | 31819 |
| 43.95 | 3977 | 57.00 | 17350 | 69.00 | 61941 | 79.90 | 8424 |
| 45.00 | 4992 | 57.95 | 691 | 70.00 | 5194 | 80.90 | 32005 |
| 45.95 | 566 | 59.00 | 67 | 70.90 | 105 | 81.90 | 6577 |
| 47.00 | 6174 | 60.00 | 5052 | 72.00 | 3099 | 82.85 | 741 |
| 47.95 | 3300 | 61.00 | 28747 | 73.00 | 28032 | 86.00 | 703 |

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.00 | 24803 | 104.90 | 1134 | 118.90 | 3395 | 133.80 | 69 |
| 88.00 | 24416 | 105.90 | 3409 | 122.80 | 78 | 134.90 | 1274 |
| 90.90 | 3221 | 106.90 | 750 | 123.00 | 76 | 135.85 | 266 |
| 92.00 | 16939 | 109.90 | 519 | 123.75 | 421 | 136.90 | 1228 |
| 93.00 | 24885 | 110.90 | 732 | 124.90 | 81 | 138.85 | 295 |
| 94.00 | 67773 | 111.85 | 689 | 125.90 | 285 | 139.80 | 345 |
| 95.00 | 539797 | 112.90 | 839 | 126.90 | 161 | 140.00 | 144 |
| 96.00 | 34869 | 114.90 | 592 | 127.90 | 2190 | 140.90 | 6895 |
| 97.05 | 1187 | 115.90 | 2671 | 128.90 | 1022 | 141.95 | 801 |
| 102.80 | 370 | 116.90 | 4487 | 129.90 | 2123 | 142.90 | 7174 |
| 103.90 | 3707 | 117.85 | 2899 | 130.85 | 871 | 143.90 | 467 |

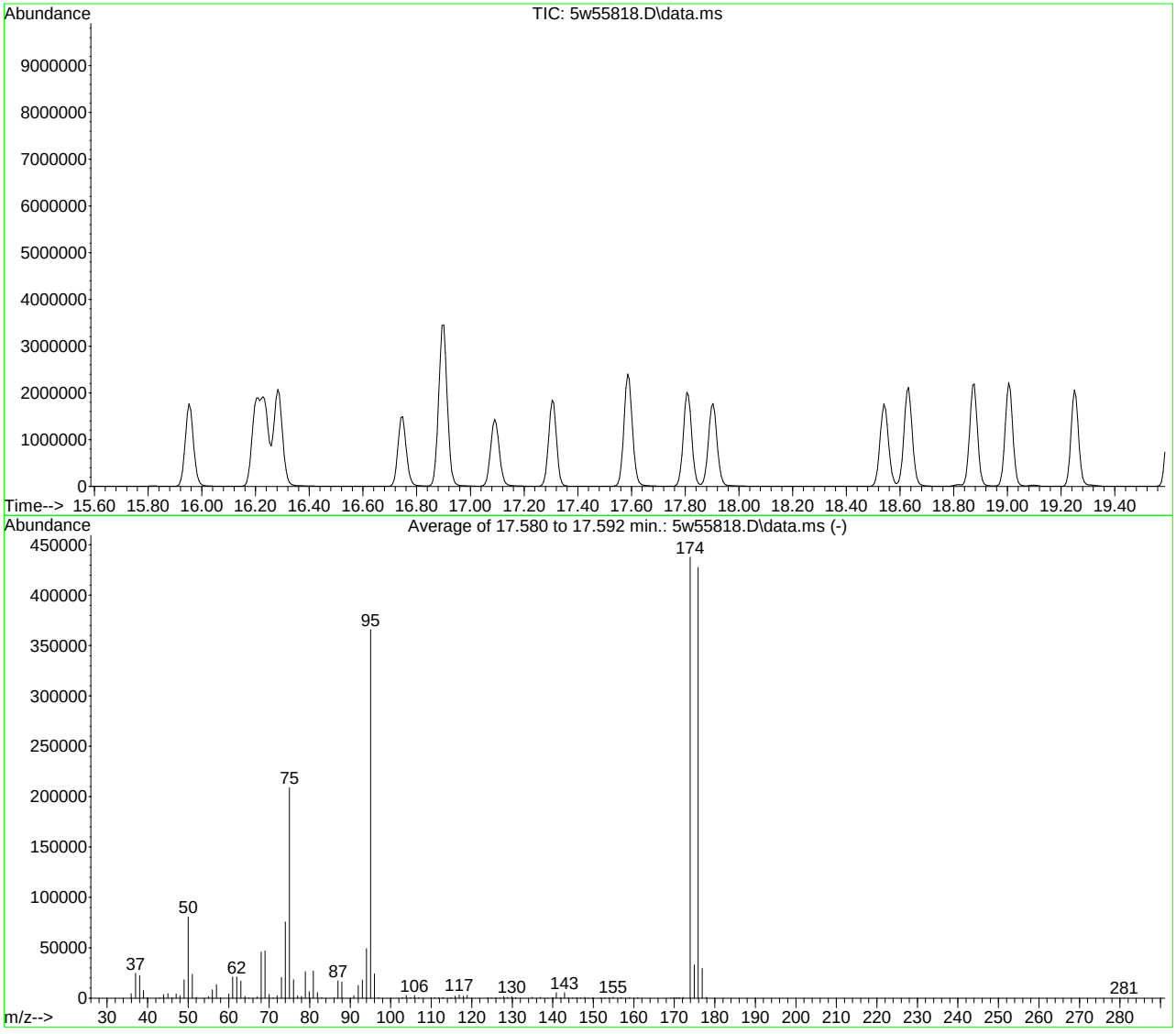
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 144.95 | 579 | 156.90 | 1101 | 175.90 | 621632 | | |
| 145.90 | 919 | 158.00 | 67 | 176.90 | 40723 | | |
| 146.95 | 427 | 158.85 | 850 | 177.90 | 1217 | | |
| 147.90 | 1717 | 160.85 | 732 | | | | |
| 148.85 | 431 | 169.60 | 71 | | | | |
| 149.95 | 611 | 169.80 | 90 | | | | |
| 151.90 | 370 | 170.80 | 212 | | | | |
| 152.85 | 427 | 171.25 | 394 | | | | |
| 153.85 | 384 | 171.95 | 1039 | | | | |
| 154.90 | 1423 | 173.90 | 639147 | | | | |
| 156.00 | 67 | 174.90 | 46992 | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55818.D  Vial: 1
Acq On : 23 Dec 2024 8:13 am  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 22.0 | 80464 | PASS |
| 75 | 95 | 30 | 66 | 57.0 | 208725 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 365867 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 24203 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 119.7 | 437760 | PASS |
| 175 | 174 | 4 | 9 | 7.5 | 33048 | PASS |
| 176 | 174 | 93 | 101 | 97.7 | 427712 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 29384 | PASS |

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 4503 | 49.00 | 18299 | 63.00 | 17013 | 75.00 | 208725 |
| 37.00 | 24683 | 50.00 | 80464 | 64.00 | 1589 | 76.00 | 18344 |
| 38.00 | 22280 | 51.00 | 23667 | 65.00 | 201 | 77.00 | 2501 |
| 39.00 | 7634 | 52.05 | 908 | 67.00 | 1153 | 77.95 | 1660 |
| 39.90 | 331 | 55.00 | 1431 | 68.00 | 45832 | 78.90 | 26499 |
| 43.00 | 451 | 56.00 | 8261 | 69.00 | 46893 | 79.90 | 6497 |
| 43.95 | 3418 | 57.00 | 13481 | 70.00 | 3816 | 80.90 | 26827 |
| 45.00 | 4352 | 58.00 | 494 | 71.00 | 83 | 81.90 | 5505 |
| 46.00 | 443 | 60.00 | 4301 | 71.95 | 2456 | 82.90 | 690 |
| 47.00 | 4319 | 61.00 | 21013 | 73.00 | 20453 | 86.00 | 467 |
| 48.00 | 2550 | 62.00 | 21091 | 74.00 | 75576 | 87.00 | 17270 |

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.95 | 15974 | 105.90 | 2767 | 123.95 | 276 | 139.85 | 222 |
| 90.90 | 2419 | 106.90 | 525 | 124.80 | 68 | 140.10 | 125 |
| 92.00 | 12633 | 109.90 | 511 | 125.90 | 67 | 140.90 | 5477 |
| 93.00 | 17995 | 110.90 | 660 | 126.90 | 79 | 141.95 | 763 |
| 94.00 | 49232 | 111.85 | 484 | 127.85 | 1357 | 142.90 | 5567 |
| 95.00 | 365867 | 112.90 | 696 | 128.85 | 675 | 143.85 | 317 |
| 96.00 | 24203 | 114.90 | 483 | 129.90 | 1540 | 144.90 | 420 |
| 97.00 | 677 | 115.90 | 1917 | 130.85 | 536 | 145.85 | 584 |
| 102.90 | 310 | 116.90 | 3074 | 134.90 | 997 | 146.85 | 313 |
| 103.85 | 2628 | 117.90 | 1957 | 136.90 | 827 | 147.90 | 1036 |
| 104.90 | 735 | 118.90 | 2598 | 138.80 | 80 | 148.80 | 270 |

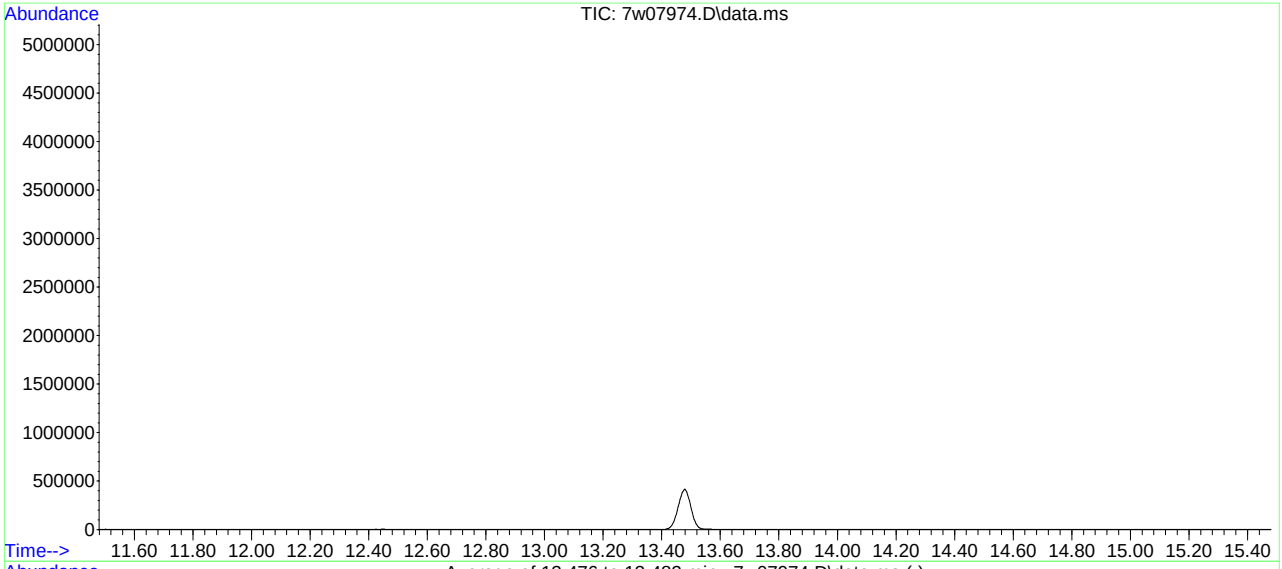
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 149.85 | 533 | 170.40 | 317 | | | | |
| 151.85 | 150 | 170.60 | 208 | | | | |
| 152.85 | 293 | 171.10 | 283 | | | | |
| 153.95 | 255 | 171.40 | 234 | | | | |
| 154.90 | 1037 | 172.20 | 838 | | | | |
| 156.85 | 732 | 173.90 | 437760 | | | | |
| 158.90 | 596 | 174.95 | 33048 | | | | |
| 160.95 | 599 | 175.90 | 427712 | | | | |
| 169.00 | 240 | 176.90 | 29384 | | | | |
| 169.65 | 206 | 177.90 | 828 | | | | |
| 170.00 | 99 | 281.05 | 180 | | | | |

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D  Vial: 1
Acq On : 18 Aug 2024 9:06 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w305,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 20443 | PASS |
| 75 | 95 | 30 | 66 | 51.7 | 43320 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 83736 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 5915 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 627 | PASS |
| 174 | 95 | 50 | 120 | 73.5 | 61525 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 4526 | PASS |
| 176 | 174 | 93 | 101 | 95.5 | 58768 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3856 | PASS |

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 954 | 50.00 | 20443 | 64.00 | 287 | 77.90 | 308 |
| 37.00 | 5028 | 51.00 | 6530 | 67.05 | 196 | 78.90 | 2955 |
| 38.00 | 4273 | 52.00 | 277 | 68.00 | 8935 | 79.90 | 767 |
| 39.05 | 1813 | 55.05 | 302 | 69.00 | 9076 | 80.90 | 3037 |
| 43.00 | 64 | 55.95 | 1451 | 70.00 | 861 | 81.85 | 668 |
| 44.00 | 709 | 57.00 | 2901 | 71.85 | 499 | 82.80 | 43 |
| 45.00 | 966 | 58.05 | 156 | 73.00 | 3880 | 83.10 | 21 |
| 46.15 | 74 | 60.00 | 997 | 74.00 | 15013 | 85.90 | 103 |
| 46.95 | 1367 | 61.00 | 4528 | 75.00 | 43320 | 86.95 | 3242 |
| 47.95 | 630 | 62.00 | 4774 | 76.00 | 3458 | 87.95 | 2880 |
| 49.00 | 4424 | 63.00 | 3558 | 77.00 | 539 | 90.85 | 322 |

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2543 | 110.70 | 18 | 127.80 | 278 | 142.90 | 820 |
| 93.00 | 3598 | 111.05 | 100 | 128.70 | 51 | 144.00 | 19 |
| 94.00 | 10531 | 111.85 | 87 | 128.85 | 135 | 145.10 | 22 |
| 95.00 | 83736 | 112.80 | 110 | 129.85 | 322 | 145.90 | 187 |
| 96.00 | 5915 | 114.85 | 70 | 130.85 | 96 | 146.70 | 18 |
| 96.95 | 196 | 115.85 | 319 | 134.75 | 134 | 147.90 | 227 |
| 103.90 | 411 | 116.85 | 545 | 136.90 | 163 | 148.70 | 25 |
| 104.80 | 147 | 117.85 | 347 | 139.70 | 38 | 149.85 | 79 |
| 105.85 | 388 | 118.85 | 467 | 139.90 | 58 | 151.90 | 22 |
| 106.90 | 91 | 123.80 | 42 | 140.90 | 764 | 154.80 | 150 |
| 109.80 | 78 | 126.90 | 18 | 141.85 | 63 | 156.90 | 122 |

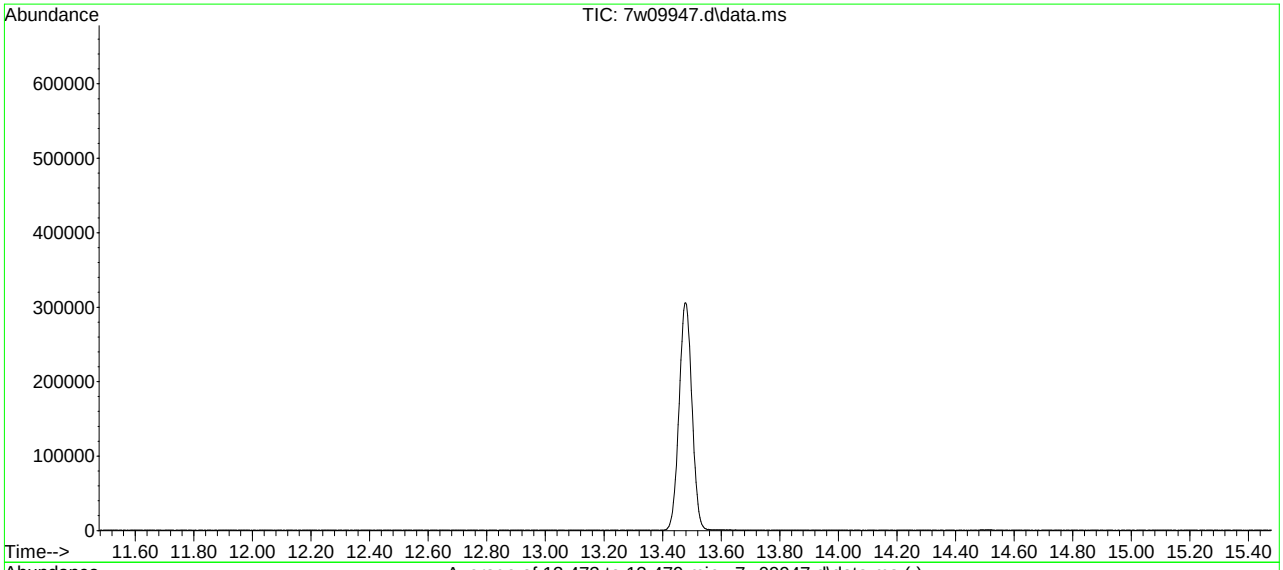
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

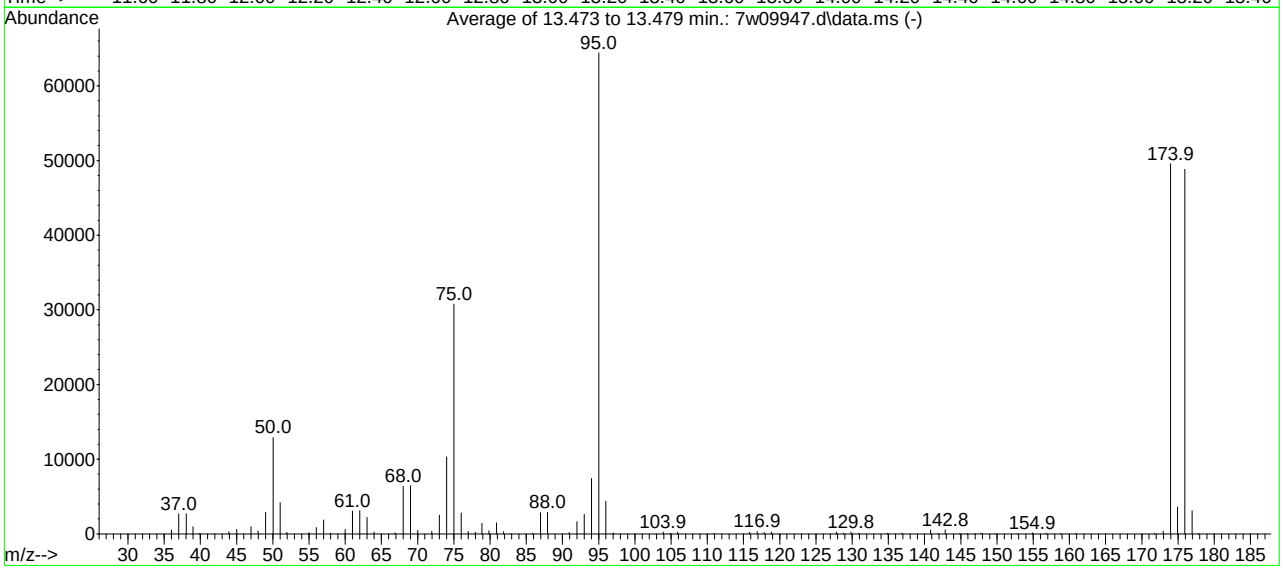
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 158.70 | 34 | | | | | | |
| 158.85 | 62 | | | | | | |
| 160.80 | 94 | | | | | | |
| 171.90 | 37 | | | | | | |
| 173.05 | 627 | | | | | | |
| 173.90 | 61525 | | | | | | |
| 174.90 | 4526 | | | | | | |
| 175.90 | 58768 | | | | | | |
| 176.90 | 3856 | | | | | | |
| 177.85 | 99 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\k...2824\v7w369\7w09947.d Vial: 1
Acq On : 25 Oct 2024 10:24 am Operator: thomash
Sample : bfb Inst : MS7W
Misc : MS86212,v7w369,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4138

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 20.0 | 12909 | PASS |
| 75 | 95 | 30 | 66 | 47.8 | 30776 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 64424 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 4359 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 343 | PASS |
| 174 | 95 | 50 | 120 | 76.9 | 49555 | PASS |
| 175 | 174 | 4 | 9 | 7.2 | 3587 | PASS |
| 176 | 174 | 93 | 101 | 98.5 | 48805 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3104 | PASS |

7w09947.d M7W305.M Mon Oct 28 10:40:12 2024

Average of 13.473 to 13.479 min.: 7w09947.d\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 527 | 51.00 | 4185 | 66.90 | 150 | 78.90 | 1417 |
| 37.00 | 2696 | 51.95 | 199 | 68.00 | 6380 | 79.85 | 422 |
| 38.05 | 2682 | 55.00 | 174 | 69.00 | 6453 | 80.90 | 1478 |
| 39.00 | 965 | 56.00 | 861 | 70.00 | 484 | 81.85 | 276 |
| 39.90 | 55 | 57.00 | 1859 | 71.95 | 310 | 82.90 | 17 |
| 43.95 | 282 | 57.95 | 100 | 73.00 | 2496 | 85.85 | 56 |
| 45.00 | 570 | 60.00 | 569 | 74.00 | 10323 | 86.95 | 2853 |
| 47.00 | 944 | 61.00 | 3056 | 75.00 | 30776 | 87.95 | 2862 |
| 47.95 | 385 | 62.00 | 3104 | 76.00 | 2789 | 90.90 | 168 |
| 49.00 | 2862 | 63.00 | 2180 | 77.00 | 321 | 92.00 | 1620 |
| 50.05 | 12909 | 64.00 | 245 | 77.95 | 198 | 93.00 | 2606 |

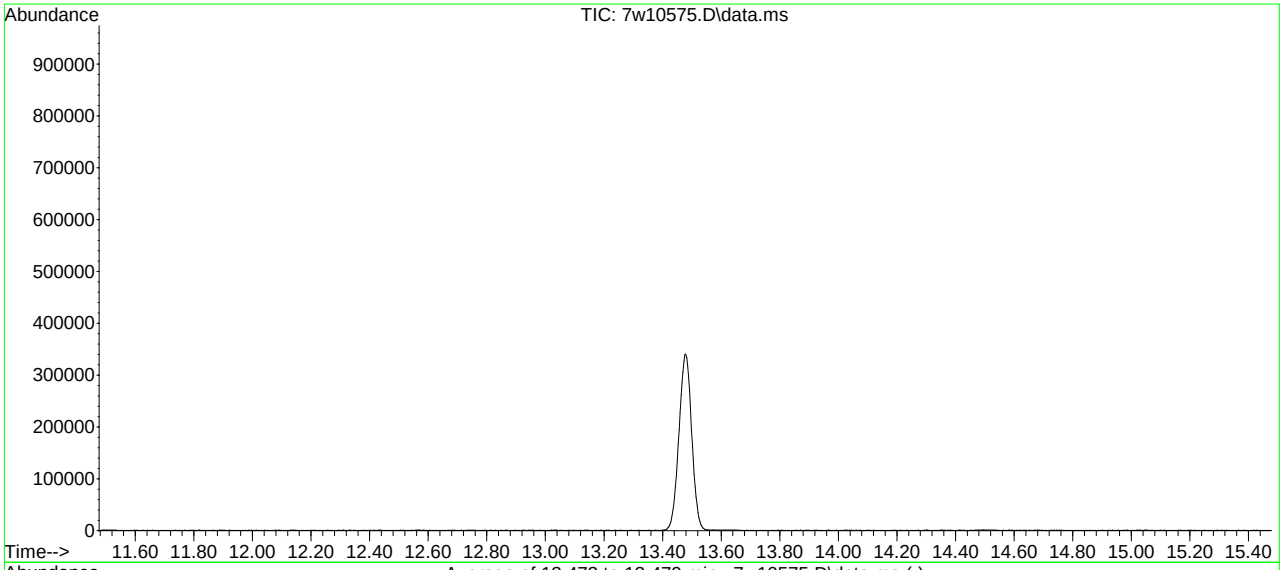
Average of 13.473 to 13.479 min.: 7w09947.d\data.ms
bfb
Modified:subtracted

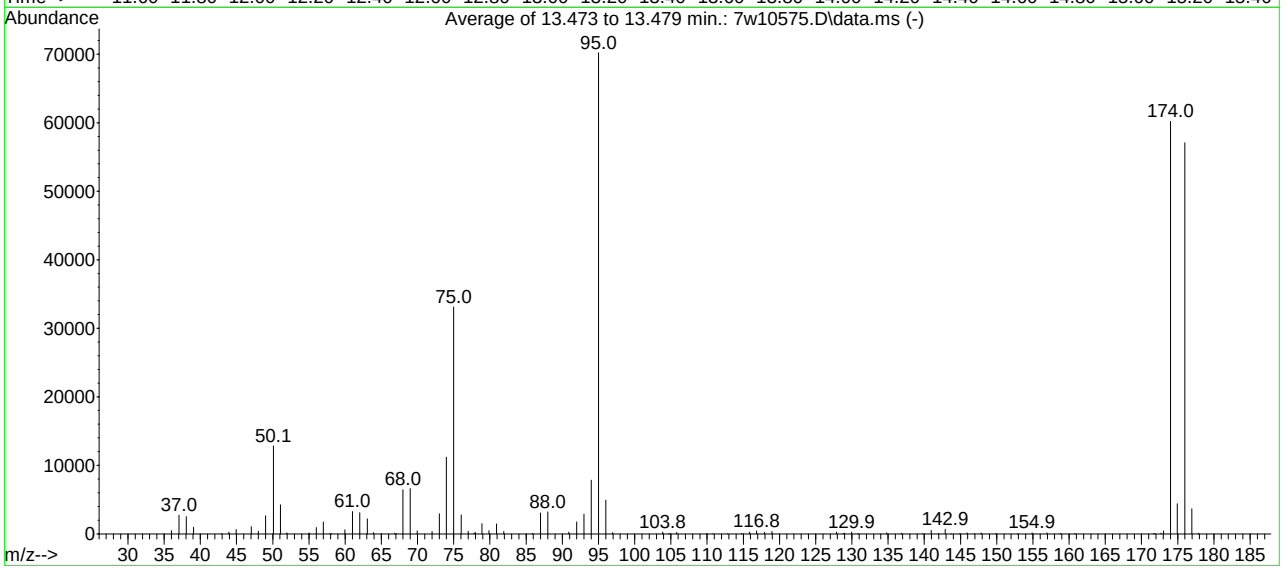
| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 94.00 | 7400 | 118.85 | 253 | 145.85 | 67 | 172.95 | 343 |
| 95.00 | 64424 | 127.85 | 238 | 146.90 | 28 | 173.95 | 49555 |
| 96.00 | 4359 | 128.80 | 89 | 147.80 | 103 | 174.95 | 3587 |
| 97.05 | 125 | 129.85 | 257 | 148.00 | 34 | 175.95 | 48805 |
| 103.90 | 250 | 130.95 | 104 | 149.70 | 24 | 176.95 | 3104 |
| 104.90 | 49 | 134.85 | 98 | 152.80 | 19 | 177.80 | 62 |
| 105.90 | 249 | 136.90 | 83 | 154.90 | 134 | | |
| 110.90 | 38 | 140.85 | 497 | 156.80 | 107 | | |
| 115.85 | 207 | 141.85 | 77 | 158.80 | 20 | | |
| 116.90 | 335 | 142.85 | 558 | 160.90 | 72 | | |
| 117.85 | 183 | 144.85 | 39 | 171.80 | 67 | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.3 | 12830 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 33101 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70203 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 4918 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 423 | PASS |
| 174 | 95 | 50 | 120 | 85.7 | 60187 | PASS |
| 175 | 174 | 4 | 9 | 7.3 | 4410 | PASS |
| 176 | 174 | 93 | 101 | 94.8 | 57075 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3652 | PASS |

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 475 | 51.05 | 4235 | 63.90 | 177 | 76.05 | 2751 |
| 37.05 | 2709 | 51.95 | 158 | 65.00 | 37 | 77.00 | 389 |
| 38.05 | 2533 | 55.00 | 140 | 66.85 | 109 | 77.80 | 90 |
| 39.05 | 947 | 56.00 | 916 | 67.10 | 37 | 77.95 | 221 |
| 42.90 | 23 | 57.00 | 1757 | 68.00 | 6431 | 78.90 | 1509 |
| 43.95 | 261 | 57.90 | 27 | 69.00 | 6603 | 79.85 | 467 |
| 44.95 | 636 | 58.10 | 20 | 69.95 | 418 | 80.90 | 1455 |
| 47.05 | 1056 | 59.95 | 592 | 72.00 | 348 | 81.90 | 341 |
| 48.00 | 407 | 61.00 | 3253 | 73.00 | 2933 | 85.85 | 76 |
| 49.00 | 2644 | 62.00 | 3100 | 74.00 | 11184 | 87.00 | 3069 |
| 50.10 | 12830 | 63.05 | 2183 | 75.00 | 33101 | 88.00 | 3197 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 90.90 | 255 | 109.90 | 18 | 129.95 | 257 | 146.90 | 19 |
| 92.00 | 1740 | 110.80 | 17 | 130.85 | 68 | 147.85 | 138 |
| 93.00 | 2896 | 112.80 | 29 | 134.80 | 126 | 149.90 | 44 |
| 94.00 | 7840 | 114.75 | 68 | 136.80 | 115 | 152.90 | 28 |
| 95.00 | 70203 | 115.85 | 259 | 139.80 | 18 | 154.90 | 165 |
| 96.00 | 4918 | 116.85 | 426 | 140.95 | 528 | 156.95 | 137 |
| 96.95 | 169 | 117.90 | 226 | 141.95 | 63 | 158.80 | 72 |
| 103.85 | 284 | 118.95 | 352 | 142.90 | 664 | 160.80 | 50 |
| 104.70 | 19 | 127.85 | 254 | 143.70 | 17 | 171.70 | 27 |
| 104.90 | 64 | 128.80 | 58 | 144.90 | 40 | 171.85 | 79 |
| 105.80 | 241 | 128.95 | 102 | 145.90 | 126 | 172.70 | 98 |

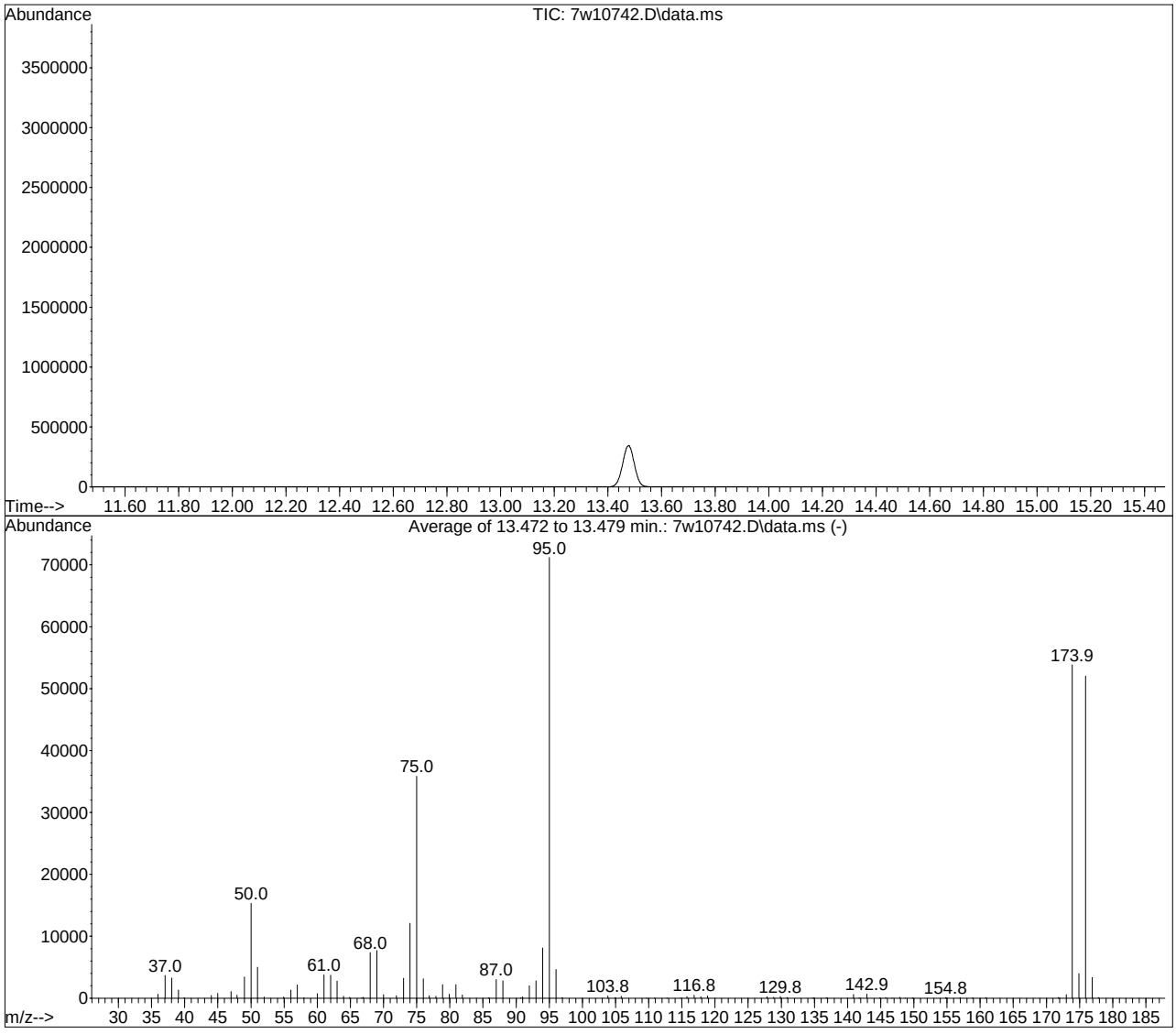
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 173.05 | 423 | | | | | | |
| 174.00 | 60187 | | | | | | |
| 174.95 | 4410 | | | | | | |
| 176.00 | 57075 | | | | | | |
| 176.95 | 3652 | | | | | | |
| 177.85 | 105 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.5 | 15330 | PASS |
| 75 | 95 | 30 | 66 | 50.4 | 35867 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 71168 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4636 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 555 | PASS |
| 174 | 95 | 50 | 120 | 75.6 | 53835 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 3970 | PASS |
| 176 | 174 | 93 | 101 | 96.7 | 52037 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3340 | PASS |

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 641 | 51.00 | 4982 | 64.90 | 144 | 76.90 | 403 |
| 37.05 | 3658 | 52.00 | 195 | 66.70 | 51 | 77.90 | 308 |
| 38.05 | 3278 | 54.95 | 198 | 66.95 | 138 | 78.90 | 2163 |
| 39.05 | 1292 | 56.00 | 1308 | 68.00 | 7370 | 79.90 | 654 |
| 39.90 | 49 | 57.00 | 2150 | 69.00 | 7690 | 80.90 | 2160 |
| 44.00 | 441 | 57.95 | 73 | 70.00 | 553 | 81.90 | 543 |
| 45.00 | 753 | 60.00 | 718 | 71.95 | 405 | 85.85 | 78 |
| 47.00 | 1071 | 61.00 | 3758 | 73.00 | 3211 | 87.00 | 3023 |
| 47.90 | 460 | 62.00 | 3712 | 74.00 | 12109 | 88.00 | 2797 |
| 49.00 | 3430 | 63.00 | 2770 | 75.00 | 35867 | 90.70 | 58 |
| 50.00 | 15330 | 63.95 | 296 | 76.00 | 3130 | 91.00 | 223 |

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2017 | 112.75 | 43 | 134.90 | 74 | 148.70 | 17 |
| 93.00 | 2791 | 114.80 | 24 | 136.80 | 86 | 149.80 | 54 |
| 94.00 | 8088 | 115.75 | 264 | 137.00 | 34 | 154.80 | 124 |
| 95.00 | 71168 | 116.85 | 460 | 139.95 | 38 | 155.00 | 65 |
| 96.00 | 4636 | 117.85 | 217 | 140.90 | 597 | 156.95 | 107 |
| 96.95 | 121 | 118.85 | 364 | 141.75 | 57 | 158.85 | 86 |
| 103.85 | 357 | 127.85 | 236 | 142.90 | 649 | 160.85 | 120 |
| 104.95 | 92 | 128.85 | 136 | 144.90 | 53 | 171.80 | 108 |
| 105.85 | 320 | 129.85 | 257 | 145.75 | 98 | 172.00 | 45 |
| 109.70 | 17 | 130.85 | 98 | 146.70 | 18 | 173.00 | 555 |
| 110.85 | 39 | 134.70 | 35 | 147.85 | 128 | 173.90 | 53835 |

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 174.90 | 3970 | | | | | | |
| 175.90 | 52037 | | | | | | |
| 176.90 | 3340 | | | | | | |
| 177.85 | 124 | | | | | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 339655 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1562017 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 815644 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 339655 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 987267 | 10.65 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.50% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 2172 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 1042 | 0.04 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 402 | 0.03 | PPBV | # | 42 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 2393 | 0.04 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 5059 | 0.04 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 1813 | 0.06 | PPBV | # | 71 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 5772 | 0.05 | PPBV | | 93 |
| 9) FREON 114 | 3.839 | 85 | 6871 | 0.04 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.778 | 52 | 563 | 0.04 | PPBV | # | 19 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2457 | 0.04 | PPBV | # | 88 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 2084 | 0.06 | PPBV | # | 65 |
| 15) CHLOROETHANE | 4.365 | 64 | 1195 | 0.05 | PPBV | | 73 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 6506 | 0.05 | PPBV | # | 97 |
| 19) FREON 123 | 4.739 | 83 | 6283 | 0.05 | PPBV | # | 69 |
| 20) FREON 123A | 4.782 | 117 | 3192 | 0.05 | PPBV | # | 67 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 4659 | 0.04 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 1715 | 0.05 | PPBV | | 85 |
| 25) IODOMETHANE | 5.424 | 142 | 3839 | 0.04 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.491 | 96 | 1503 | 0.04 | PPBV | | 85 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 3987 | 0.04 | PPBV | # | 71 |
| 29) BROMOETHENE | 4.629 | 106 | 2097 | 0.04 | PPBV | # | 72 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1675 | 0.05 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 558 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.822 | 151 | 2213 | 0.04 | PPBV | | 85 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1478 | 0.04 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.662 | 59 | 2332 | 0.03 | PPBV | # | 69 |
| 36) METHYL TERTIARY BUTYL ... | 6.806 | 73 | 3795 | 0.04 | PPBV | | 88 |
| 38) HEXANE | 7.706 | 57 | 1901 | 0.03 | PPBV | # | 76 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 2879 | 0.04 | PPBV | | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 1626 | 0.04 | PPBV | | 83 |
| 46) CHLOROFORM | 7.810 | 83 | 3517 | 0.04 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2035 | 0.03 | PPBV | | 84 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 3477 | 0.04 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 3442 | 0.04 | PPBV | | 88 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 2033 | 0.03 | PPBV | # | 91 |
| 52) BENZENE | 9.400 | 78 | 4500 | 0.04 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 1364 | 0.03 | PPBV | | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 683 | 0.03 | PPBV | # | 38 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 2173 | 0.04 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 1879 | 0.04 | PPBV | | 67 |
| 57) DIBROMOMETHANE | 10.349 | 174 | 2796 | 0.05 | PPBV | | 95 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 3467 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 6036 | 0.03 | PPBV | # | 91 |
| 62) HEPTANE | 11.040 | 43 | 2264 | 0.03 | PPBV | | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.756 | 75 | 2163 | 0.03 | PPBV | | 73 |
| 66) TOLUENE | 12.979 | 92 | 2538 | 0.03 | PPBV | | 95 |
| 67) 1,3-DICHLOROPROPANE | 13.028 | 76 | 2245 | 0.03 | PPBV | # | 80 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

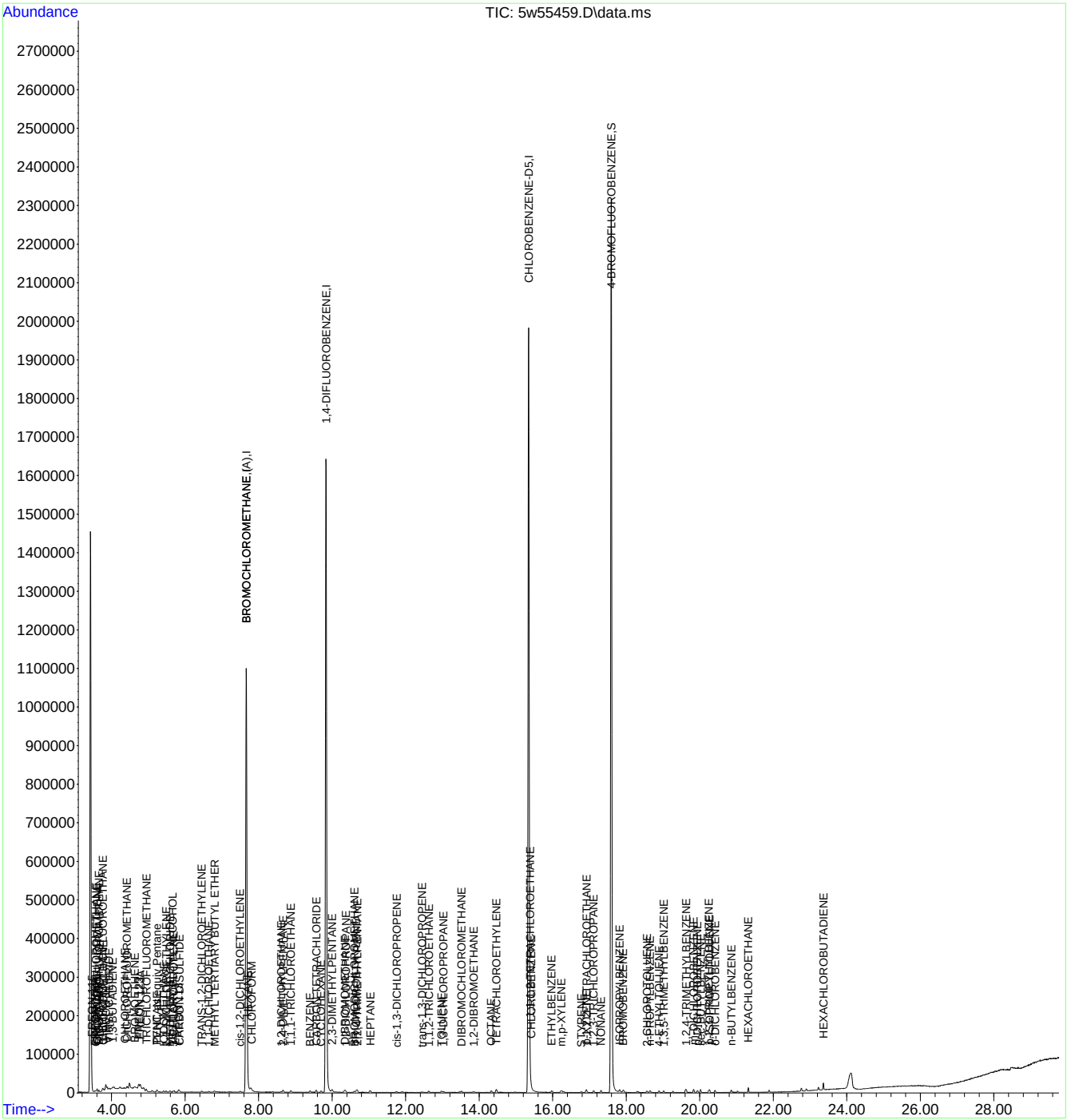
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 68) | trans-1,3-DICHLOROPROPENE | 12.441 | 75 | 1621 | 0.02 | PPBV | # | 72 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.631 | 83 | 1711 | 0.03 | PPBV | | 91 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 2289 | 0.04 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 2451 | 0.02 | PPBV | | 92 |
| 75) | 1,2-DIBROMOETHANE | 13.848 | 107 | 2444 | 0.03 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 2490 | 0.03 | PPBV | | 88 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 2034 | 0.03 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 4300 | 0.04 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.971 | 91 | 5680 | 0.03 | PPBV | | 91 |
| 80) | m,p-XYLENE | 16.234 | 106 | 3582 | 0.05 | PPBV | # | 78 |
| 81) | o-XYLENE | 16.913 | 106 | 1696 | 0.03 | PPBV | | 91 |
| 82) | STYRENE | 16.778 | 104 | 2235 | 0.02 | PPBV | | 85 |
| 83) | NONANE | 17.311 | 43 | 2668 | 0.03 | PPBV | # | 83 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.925 | 83 | 4487 | 0.04 | PPBV | # | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 3082 | 0.04 | PPBV | | 85 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 6235 | 0.03 | PPBV | | 95 |
| 89) | BROMOBENZENE | 17.916 | 77 | 3942 | 0.04 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.565 | 126 | 1257 | 0.03 | PPBV | | 59 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 1200 | 0.02 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 4926 | 0.03 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 4056 | 0.03 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 4381 | 0.03 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 3796 | 0.03 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 3500 | 0.03 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 1089 | 0.03 | PPBV | # | 90 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4328 | 0.03 | PPBV | # | 95 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1184 | 0.02 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.418 | 146 | 3642 | 0.03 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 927 | 0.02 | PPBV | # | 53 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2307 | 0.03 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 3647 | 0.03 | PPBV | | 91 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 13331 | 0.06 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 333430 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1533309 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 804190 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 333430 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985635 | 10.78 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.80% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.472 | 119 | 5523 | 0.10 | PPBV | | 97 |
| 3) FREON 152A | 3.552 | 65 | 2440 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.588 | 67 | 1205 | 0.09 | PPBV | | 74 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 5398 | 0.09 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12499 | 0.10 | PPBV | | 99 |
| 7) PROPYLENE | 3.607 | 41 | 3754 | 0.13 | PPBV | | 84 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 13615 | 0.11 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 17687 | 0.12 | PPBV | | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1884 | 0.12 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 5930 | 0.11 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 4083 | 0.11 | PPBV | # | 72 |
| 13) n-BUTANE | 4.072 | 43 | 9842 | 0.15 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 8281 | 0.15 | PPBV | | 91 |
| 15) CHLOROETHANE | 4.365 | 64 | 2881 | 0.12 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 14568 | 0.12 | PPBV | | 97 |
| 17) ACETONITRILE | 4.647 | 41 | 4678 | 0.12 | PPBV | # | 65 |
| 18) ACROLEIN | 4.739 | 56 | 2049 | 0.11 | PPBV | # | 1 |
| 19) FREON 123 | 4.739 | 83 | 14828 | 0.12 | PPBV | | 96 |
| 20) FREON 123A | 4.788 | 117 | 7831 | 0.12 | PPBV | | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 11923 | 0.11 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.093 | 45 | 9920 | 0.14 | PPBV | | 92 |
| 24) PENTANE | 5.240 | 42 | 3946 | 0.11 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 9585 | 0.10 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 3785 | 0.11 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.858 | 76 | 10145 | 0.10 | PPBV | | 92 |
| 29) BROMOETHENE | 4.622 | 106 | 5236 | 0.10 | PPBV | | 91 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 3905 | 0.11 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.705 | 76 | 1660 | 0.10 | PPBV | # | 52 |
| 33) FREON 113 | 5.828 | 151 | 6007 | 0.10 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 4040 | 0.11 | PPBV | | 81 |
| 35) TERTIARY BUTYL ALCOHOL | 5.650 | 59 | 6051 | 0.08 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 6.794 | 73 | 8939 | 0.09 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.366 | 72 | 939 | 0.06 | PPBV | # | 61 |
| 38) HEXANE | 7.712 | 57 | 4501 | 0.08 | PPBV | | 85 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 7146 | 0.10 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.155 | 72 | 815 | 0.05 | PPBV | # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 4154 | 0.10 | PPBV | | 84 |
| 43) DIISOPROPYL ETHER | 7.779 | 59 | 1194 | 0.07 | PPBV | # | 60 |
| 44) ETHYL ACETATE | 7.834 | 61 | 535 | 0.04 | PPBV | # | 38 |
| 46) CHLOROFORM | 7.810 | 83 | 8944 | 0.10 | PPBV | | 91 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5058 | 0.08 | PPBV | | 87 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 9054 | 0.10 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8961 | 0.09 | PPBV | | 97 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 5541 | 0.09 | PPBV | | 96 |
| 52) BENZENE | 9.400 | 78 | 10879 | 0.09 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.706 | 84 | 3668 | 0.08 | PPBV | | 94 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 1964 | 0.08 | PPBV | # | 73 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

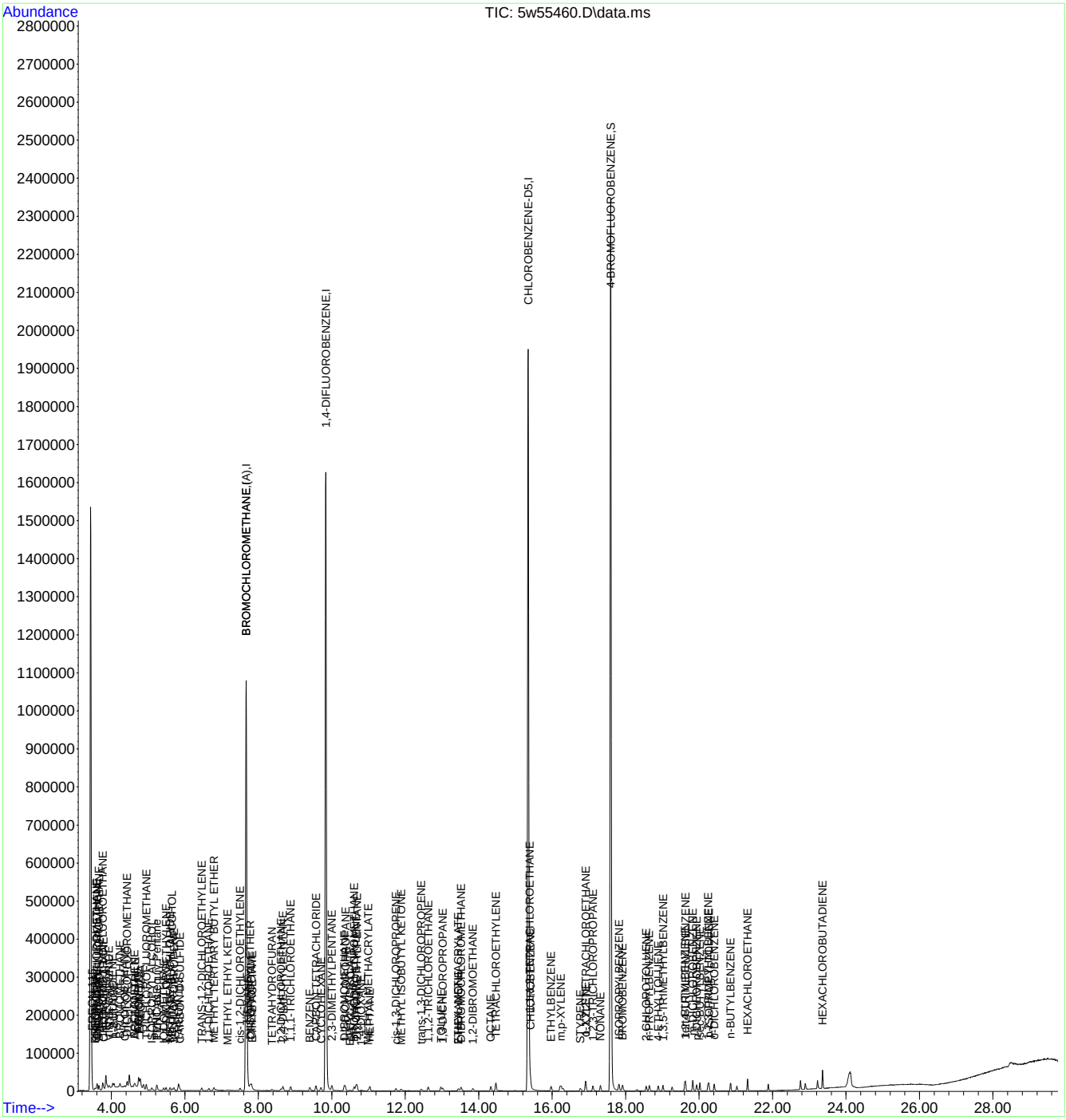
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 5207 | 0.09 | PPBV | | 94 |
| 56) | 1,2-DICHLOROPROPANE | 10.373 | 63 | 4453 | 0.09 | PPBV | | 93 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 5531 | 0.10 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.495 | 55 | 4814 | 0.06 | PPBV | # | 73 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 8911 | 0.08 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 14978 | 0.08 | PPBV | | 94 |
| 61) | 1,4-DIOXANE | 10.801 | 88 | 2000 | 0.07 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 5175 | 0.08 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.991 | 69 | 2482 | 0.06 | PPBV | # | 65 |
| 64) | METHYL ISOBUTYL KETONE | 11.890 | 58 | 1969 | 0.06 | PPBV | # | 71 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.743 | 75 | 5623 | 0.07 | PPBV | | 92 |
| 66) | TOLUENE | 12.973 | 92 | 6560 | 0.08 | PPBV | | 97 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 6020 | 0.08 | PPBV | # | 91 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 4364 | 0.06 | PPBV | | 84 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.624 | 83 | 4269 | 0.09 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.450 | 58 | 1982 | 0.04 | PPBV | # | 42 |
| 72) | ETHYL METHACRYLATE | 13.432 | 69 | 3502 | 0.05 | PPBV | # | 90 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 5984 | 0.11 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.517 | 129 | 7109 | 0.07 | PPBV | | 95 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 7065 | 0.09 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 6427 | 0.08 | PPBV | | 92 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 6008 | 0.10 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 11162 | 0.10 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 14102 | 0.08 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.234 | 106 | 9481 | 0.14 | PPBV | | 99 |
| 81) | o-XYLENE | 16.907 | 106 | 4760 | 0.07 | PPBV | | 90 |
| 82) | STYRENE | 16.766 | 104 | 6206 | 0.06 | PPBV | | 94 |
| 83) | NONANE | 17.310 | 43 | 6297 | 0.07 | PPBV | # | 91 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 11296 | 0.09 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 8353 | 0.10 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 15817 | 0.08 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.916 | 77 | 9455 | 0.09 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3541 | 0.07 | PPBV | | 88 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 3339 | 0.07 | PPBV | | 94 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 13159 | 0.07 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 11418 | 0.07 | PPBV | | 95 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 2169 | 0.06 | PPBV | # | 89 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 10880 | 0.06 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 9479 | 0.08 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 9928 | 0.09 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 2915 | 0.07 | PPBV | | 92 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 11857 | 0.07 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 3311 | 0.07 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 9802 | 0.09 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 2781 | 0.06 | PPBV | # | 75 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 6060 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 8613 | 0.08 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 32564 | 0.14 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 334972 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1532765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 812540 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 334972 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 990143 | 10.72 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 9311 | 0.17 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 5104 | 0.20 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2636 | 0.19 | PPBV | | 89 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 11548 | 0.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 25208 | 0.20 | PPBV | | 98 |
| 7) PROPYLENE | 3.601 | 41 | 6295 | 0.22 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 27839 | 0.22 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 35981 | 0.24 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 3787 | 0.24 | PPBV | # | 76 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 12507 | 0.23 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 8476 | 0.24 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 17914 | 0.27 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 13070 | 0.24 | PPBV | | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 5838 | 0.24 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 28789 | 0.24 | PPBV | | 99 |
| 17) ACETONITRILE | 4.641 | 41 | 10098 | 0.26 | PPBV | # | 79 |
| 18) ACROLEIN | 4.732 | 56 | 3711 | 0.20 | PPBV | # | 16 |
| 19) FREON 123 | 4.739 | 83 | 29093 | 0.24 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 16016 | 0.24 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 24059 | 0.21 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.087 | 45 | 17230 | 0.24 | PPBV | | 79 |
| 23) ACETONE | 4.861 | 58 | 9631 | 0.44 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 7781 | 0.22 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 19206 | 0.19 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 7466 | 0.21 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 21129 | 0.20 | PPBV | | 96 |
| 29) BROMOETHENE | 4.616 | 106 | 11097 | 0.22 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.222 | 52 | 13028 | 0.58 | PPBV | | 95 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 7591 | 0.22 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 3438 | 0.20 | PPBV | # | 65 |
| 33) FREON 113 | 5.821 | 151 | 11480 | 0.19 | PPBV | | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 7568 | 0.20 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.638 | 59 | 12091 | 0.16 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.776 | 73 | 17880 | 0.17 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.342 | 72 | 2081 | 0.12 | PPBV | # | 61 |
| 38) HEXANE | 7.706 | 57 | 9519 | 0.17 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.843 | 86 | 448 | 0.07 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 14588 | 0.20 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.137 | 72 | 2221 | 0.13 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 7416 | 0.19 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.767 | 59 | 2706 | 0.16 | PPBV | # | 82 |
| 44) ETHYL ACETATE | 7.810 | 61 | 1722 | 0.14 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.797 | 55 | 9313m | 0.13 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 18397 | 0.21 | PPBV | | 92 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 11164 | 0.17 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 17633 | 0.20 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 18453 | 0.19 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 12009 | 0.20 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 21730 | 0.19 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 7528 | 0.16 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4203 | 0.17 | PPBV | # | 84 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 10750 | 0.18 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 9173 | 0.19 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 11081 | 0.21 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.477 | 55 | 10722 | 0.12 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 18157 | 0.17 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 30352 | 0.16 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.777 | 88 | 4553 | 0.16 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 10843 | 0.17 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.985 | 69 | 5874 | 0.14 | PPBV | | 88 |
| 64) | METHYL ISOBUTYL KETONE | 11.872 | 58 | 4610 | 0.13 | PPBV | # | 75 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 12276 | 0.15 | PPBV | | 93 |
| 66) | TOLUENE | 12.967 | 92 | 13467 | 0.16 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 12399 | 0.17 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 10502 | 0.14 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 9074 | 0.19 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.426 | 58 | 5591 | 0.12 | PPBV | # | 68 |
| 72) | ETHYL METHACRYLATE | 13.426 | 69 | 7979 | 0.12 | PPBV | | 92 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 11793 | 0.22 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 14897 | 0.15 | PPBV | | 98 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 14712 | 0.18 | PPBV | # | 97 |
| 76) | OCTANE | 14.331 | 43 | 13225 | 0.16 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 12320 | 0.19 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 22541 | 0.21 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 29130 | 0.17 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.240 | 106 | 19915 | 0.30 | PPBV | | 97 |
| 81) | o-XYLENE | 16.907 | 106 | 9697 | 0.15 | PPBV | | 95 |
| 82) | STYRENE | 16.760 | 104 | 13243 | 0.14 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 13708 | 0.16 | PPBV | | 97 |
| 84) | BROMOFORM | 16.295 | 173 | 8706 | 0.09 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 24040 | 0.20 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.102 | 75 | 17778 | 0.21 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 32811 | 0.17 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 19537 | 0.19 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 7829 | 0.16 | PPBV | | 94 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 7841 | 0.15 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 27822 | 0.15 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 24334 | 0.15 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 9644 | 0.12 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 4755 | 0.14 | PPBV | | 90 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 25504 | 0.15 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 21451 | 0.17 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 23238 | 0.13 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 21116 | 0.18 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 6501 | 0.16 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 25578 | 0.15 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 7256 | 0.15 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 20937 | 0.19 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 6435 | 0.14 | PPBV | # | 88 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 12703 | 0.15 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 17057 | 0.16 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 16218 | 0.16 | PPBV | | 98 |
| 108) | NAPHTHALENE | 22.890 | 128 | 33921 | 0.14 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 75387 | 0.32 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

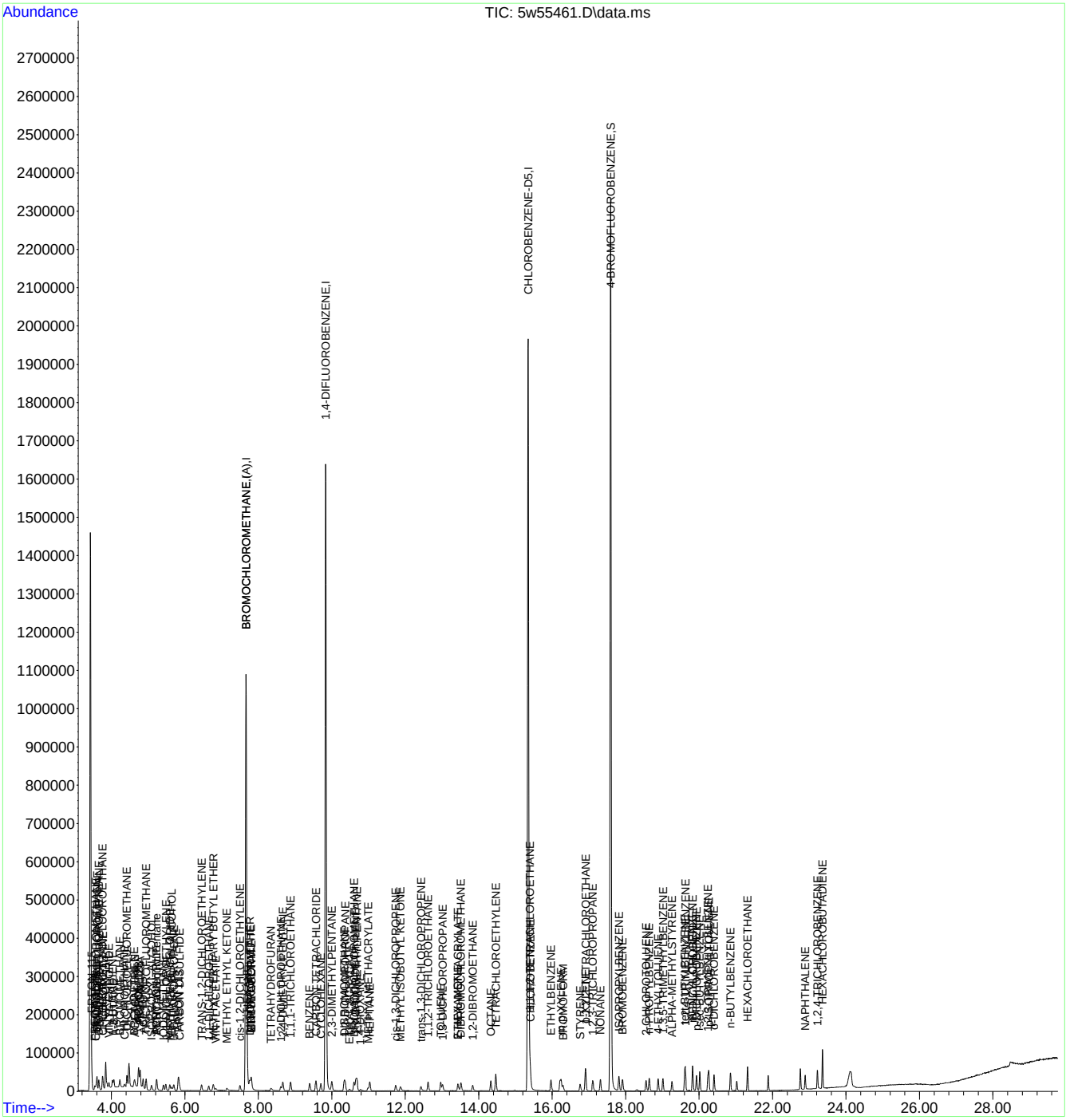
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

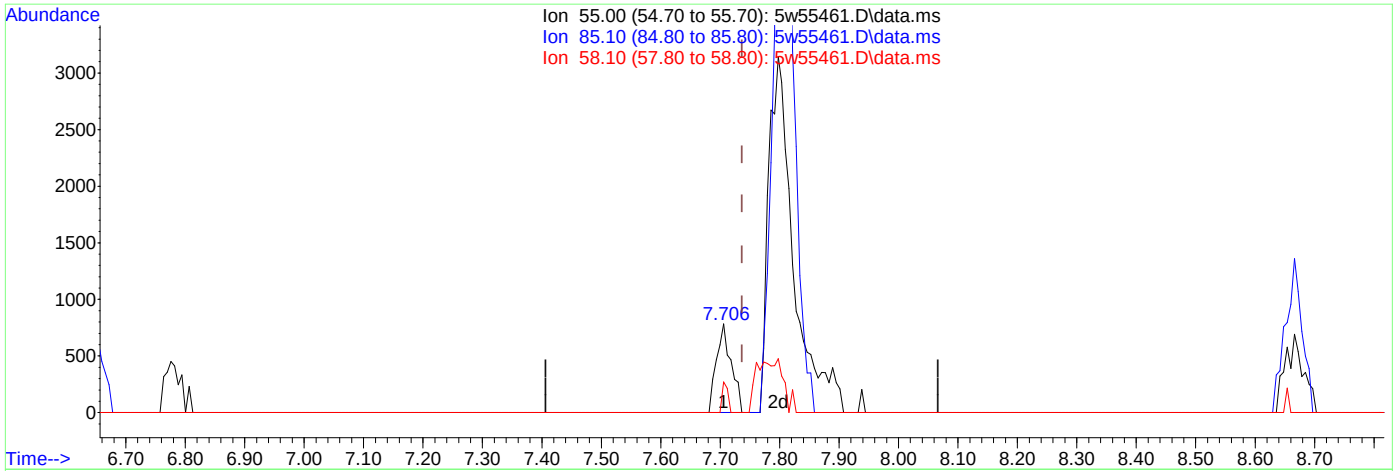
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

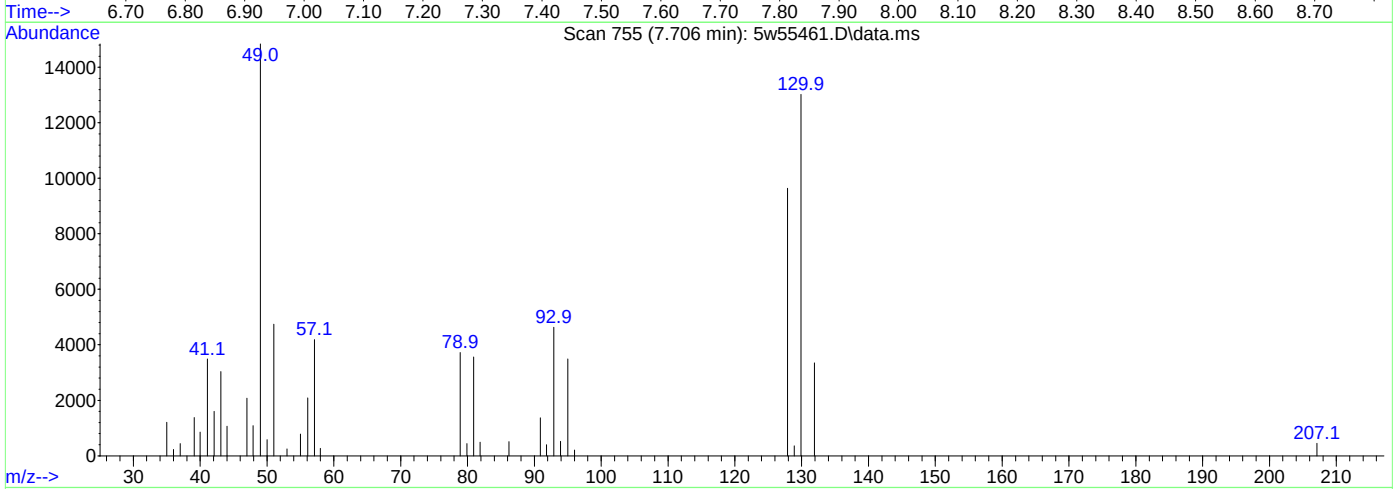


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

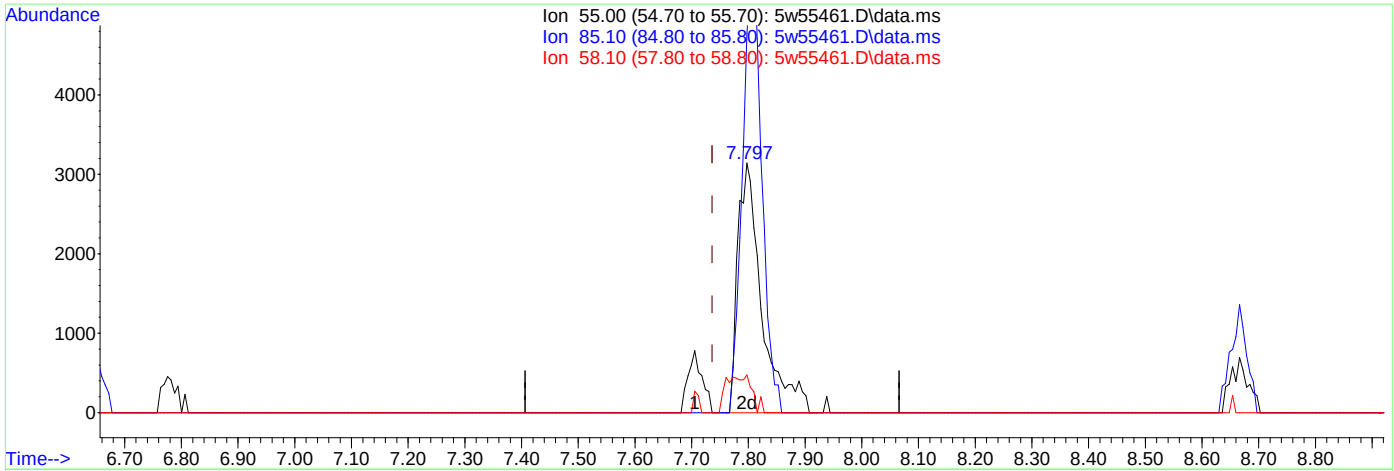
response 1349

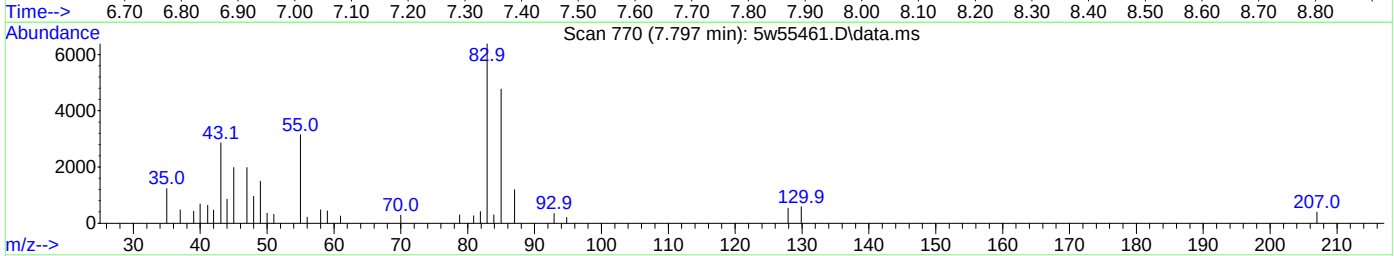
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 13.19 |
| 0.00 | 0.00 | 0.00 |

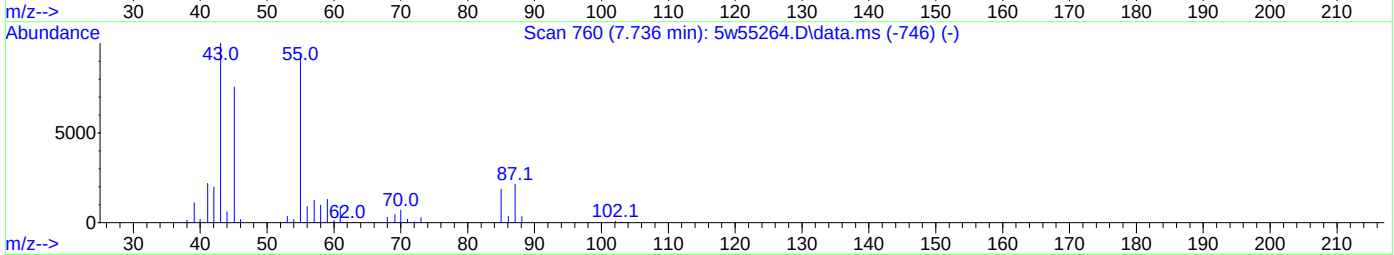
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 330769 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1512302 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 803446 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 330769 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985952 | 10.80 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 29319 | 0.53 | PPBV | | 99 |
| 3) FREON 152A | 3.546 | 65 | 13383 | 0.53 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6908 | 0.51 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 29810 | 0.52 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 67318 | 0.54 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 16353 | 0.57 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 72198 | 0.58 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 94289 | 0.63 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 9386 | 0.61 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 32272 | 0.60 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 22258 | 0.63 | PPBV | | 92 |
| 13) n-BUTANE | 4.066 | 43 | 46066 | 0.70 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 34352 | 0.64 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 15312 | 0.64 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 75373 | 0.64 | PPBV | | 99 |
| 17) ACETONITRILE | 4.635 | 41 | 25964 | 0.67 | PPBV | # | 91 |
| 18) ACROLEIN | 4.733 | 56 | 11639 | 0.65 | PPBV | # | 70 |
| 19) FREON 123 | 4.733 | 83 | 77441 | 0.64 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 41439 | 0.64 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 65623 | 0.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 39268 | 0.56 | PPBV | | 91 |
| 23) ACETONE | 4.855 | 58 | 15107 | 0.70 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 20184 | 0.57 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 52352 | 0.54 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 19140 | 0.54 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 57576 | 0.55 | PPBV | | 94 |
| 28) ETHANOL | 4.476 | 45 | 20172 | 0.78 | PPBV | | 95 |
| 29) BROMOETHENE | 4.622 | 106 | 29626 | 0.59 | PPBV | | 94 |
| 30) ACRYLONITRILE | 5.216 | 52 | 13527 | 0.61 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 20169 | 0.60 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 8647 | 0.50 | PPBV | | 89 |
| 33) FREON 113 | 5.821 | 151 | 32099 | 0.55 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 20028 | 0.53 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 35107 | 0.47 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.757 | 73 | 52017 | 0.51 | PPBV | | 94 |
| 37) TETRAHYDROFURAN | 8.311 | 72 | 7703 | 0.46 | PPBV | | 95 |
| 38) HEXANE | 7.706 | 57 | 28766 | 0.51 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.831 | 86 | 2531 | 0.38 | PPBV | # | 75 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 39839 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 7562 | 0.44 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 20793 | 0.53 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.755 | 59 | 8150 | 0.47 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.791 | 61 | 5941 | 0.48 | PPBV | # | 72 |
| 45) METHYL ACRYLATE | 7.773 | 55 | 30367m | 0.44 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 51722 | 0.59 | PPBV | | 93 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 31054 | 0.49 | PPBV | | 91 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 49711 | 0.56 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 51155 | 0.54 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 32790 | 0.56 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 61342 | 0.54 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 22074 | 0.49 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 12638 | 0.53 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 29925 | 0.51 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 24473 | 0.52 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 25731 | 0.49 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 10.459 | 55 | 34390 | 0.41 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 54534 | 0.51 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 91844 | 0.50 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.752 | 88 | 11768 | 0.42 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 32330 | 0.51 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 18848 | 0.46 | PPBV | | 83 |
| 64) METHYL ISOBUTYL KETONE | 11.847 | 58 | 14953 | 0.43 | PPBV | | 90 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 36246 | 0.46 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 37107 | 0.44 | PPBV | | 94 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 36900 | 0.51 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.422 | 75 | 30719 | 0.41 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 25850 | 0.54 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.414 | 58 | 18867 | 0.40 | PPBV | | 81 |
| 72) ETHYL METHACRYLATE | 13.420 | 69 | 27662 | 0.41 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 29587 | 0.56 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 49591 | 0.50 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 43159 | 0.55 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 39430 | 0.47 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 33689 | 0.53 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 61057 | 0.57 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.965 | 91 | 85402 | 0.50 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 62887 | 0.96 | PPBV | | 97 |
| 81) o-XYLENE | 16.901 | 106 | 31745 | 0.50 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 41244 | 0.43 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 44116 | 0.51 | PPBV | | 99 |
| 84) BROMOFORM | 16.289 | 173 | 46583 | 0.47 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 65656 | 0.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 47874 | 0.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 96512 | 0.51 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 54823 | 0.55 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 22897 | 0.47 | PPBV | | 98 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 24216 | 0.48 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 90895 | 0.48 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 80703 | 0.51 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 33242 | 0.41 | PPBV | | 98 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 15702 | 0.47 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 84521 | 0.49 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 62123 | 0.50 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 70482 | 0.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 63407 | 0.55 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 20901 | 0.52 | PPBV | | 93 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 81958 | 0.48 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 24822 | 0.52 | PPBV | | 99 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 59304 | 0.54 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 20380 | 0.44 | PPBV | # | 85 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 42179 | 0.51 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 47455 | 0.44 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 41162 | 0.42 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.890 | 128 | 92472 | 0.40 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 140261 | 0.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

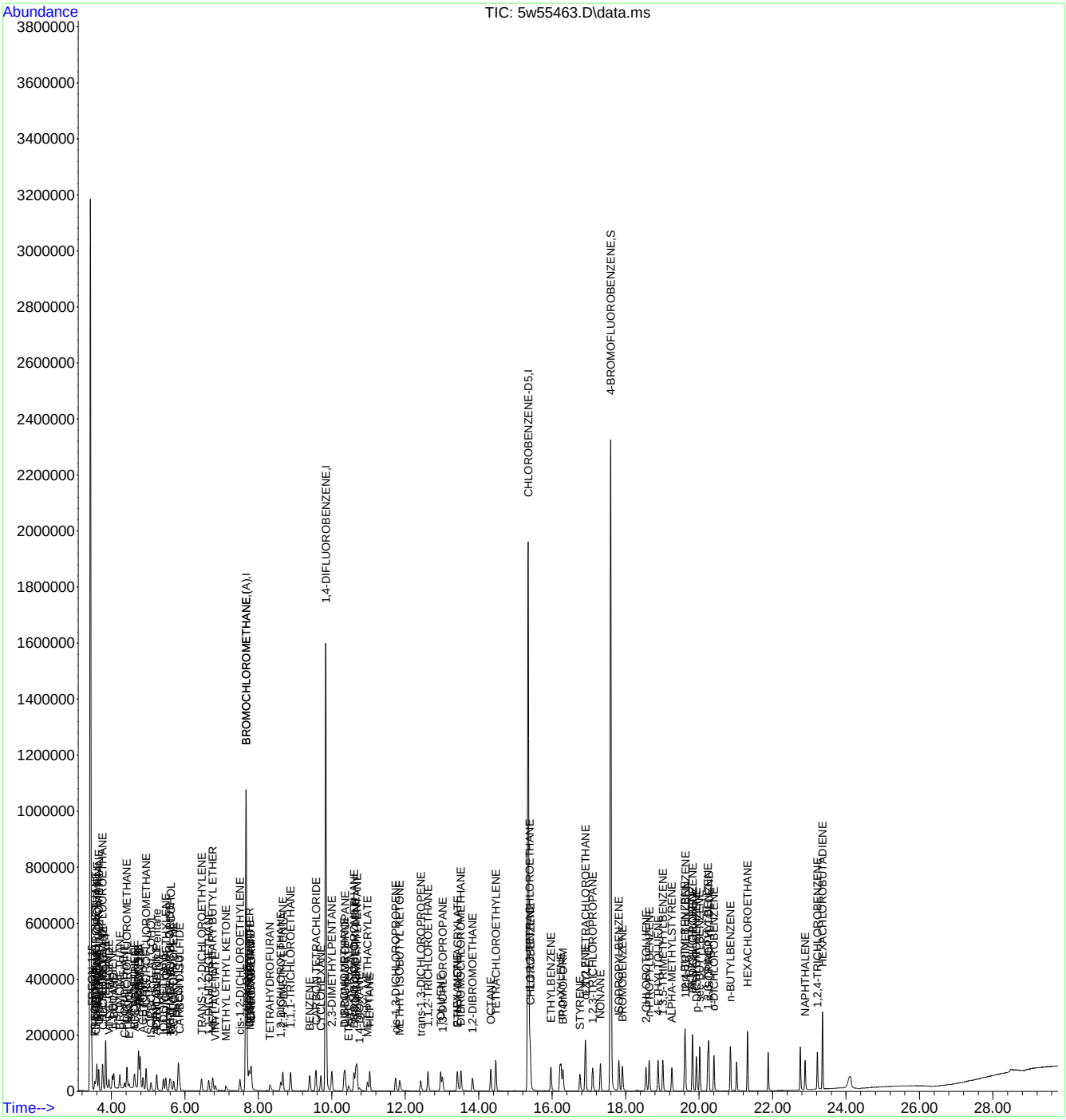
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

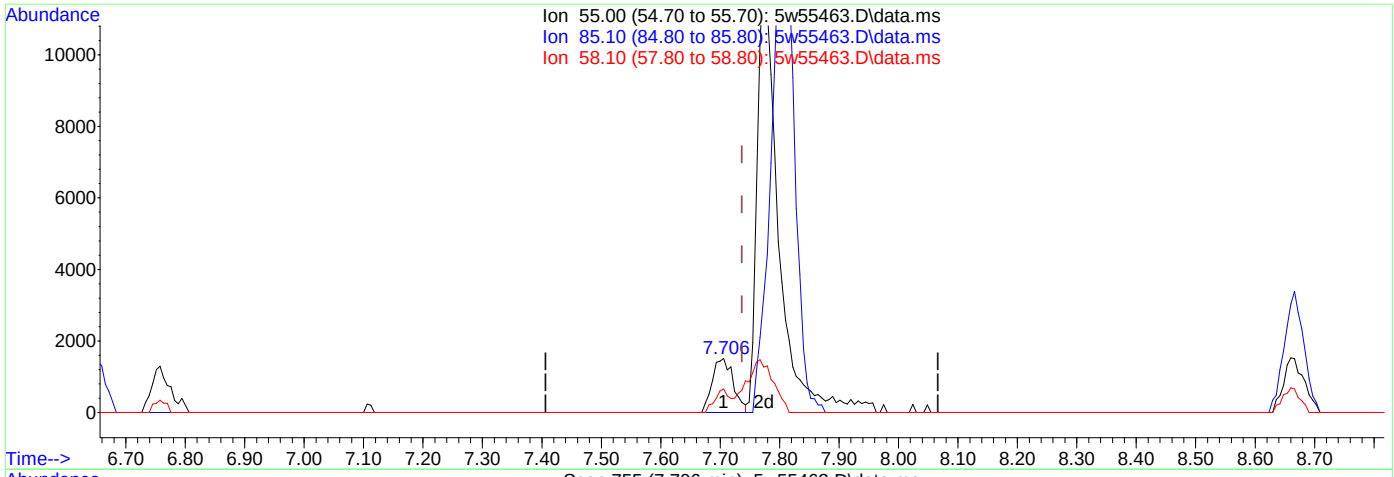
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

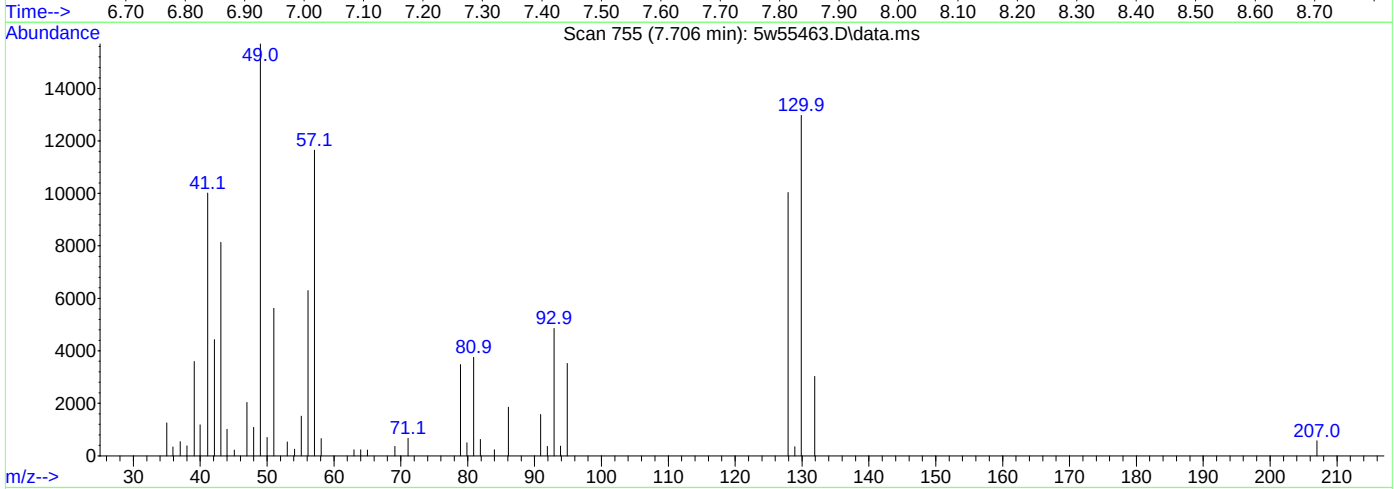


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

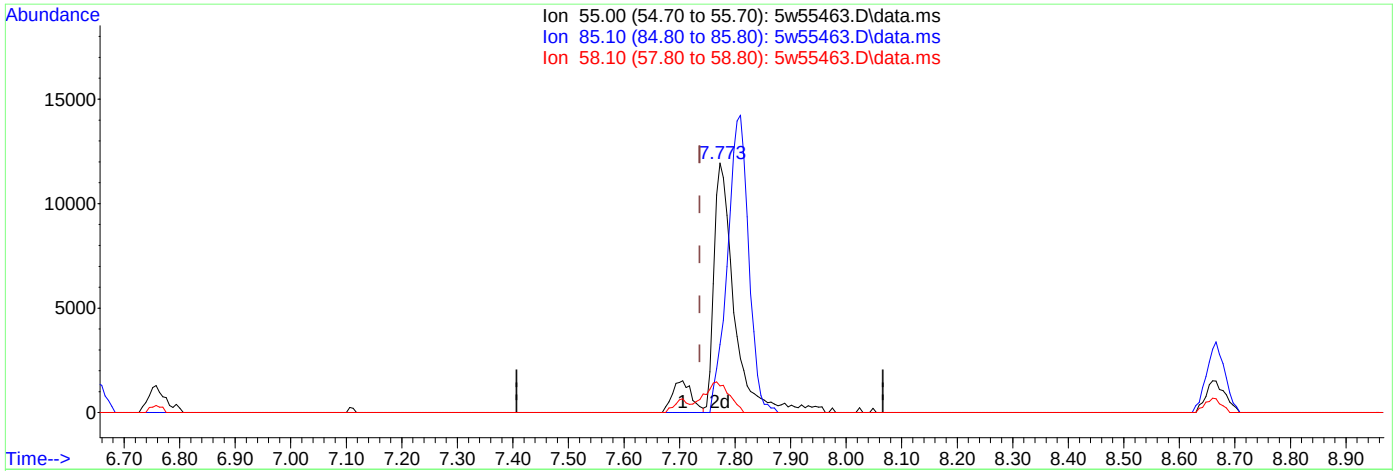
response 3694

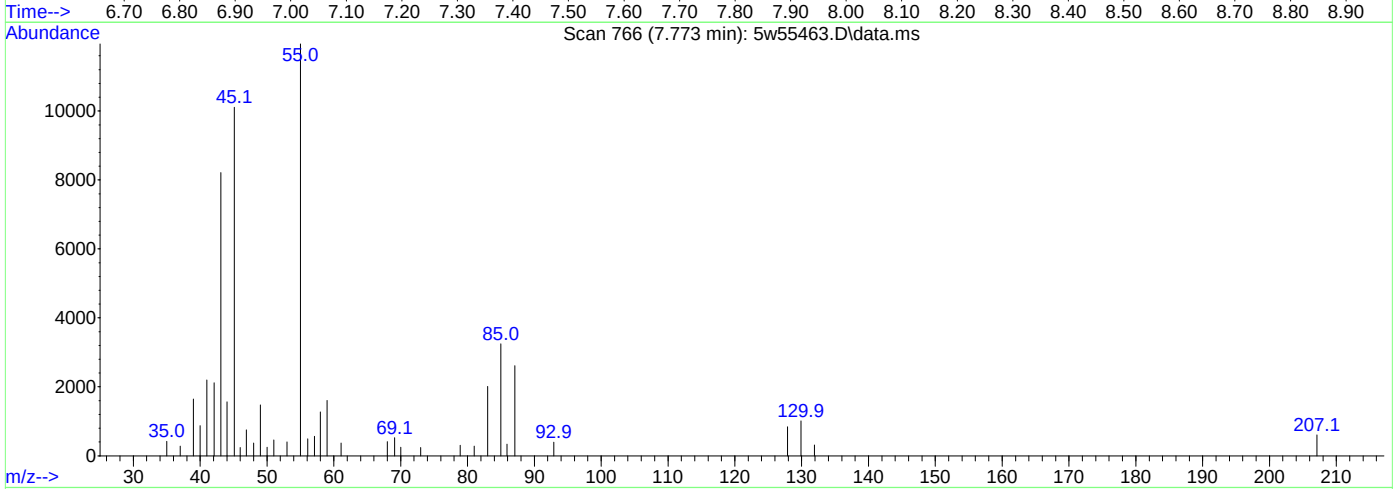
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 33.73# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 4.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 327920 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1483978 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 823417 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 327920 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 995950 | 10.64 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 112593 | 2.06 | PPBV | | 98 |
| 3) FREON 152A | 3.546 | 65 | 138374 | 5.57 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 71231 | 5.35 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 305049 | 5.34 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 679721 | 5.49 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 160514 | 5.68 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 719596 | 5.85 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 918552 | 6.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 89496 | 5.90 | PPBV | # | 71 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 318611 | 5.93 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 216237 | 6.19 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 413584 | 6.32 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 319635 | 5.98 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 140980 | 5.93 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 720353 | 6.14 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 231715 | 6.04 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 103691 | 5.80 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 730677 | 6.12 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 396421 | 6.14 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 629552 | 5.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 341979 | 4.90 | PPBV | | 96 |
| 23) ACETONE | 4.830 | 58 | 136235 | 6.39 | PPBV | | 97 |
| 24) PENTANE | 5.228 | 42 | 201069 | 5.72 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 526543 | 5.43 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 189977 | 5.42 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 580467 | 5.55 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 137349 | 5.34 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 289326 | 5.82 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 145480 | 6.60 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 187716 | 5.61 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 89978 | 5.26 | PPBV | | 97 |
| 33) FREON 113 | 5.822 | 151 | 310417 | 5.35 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 194904 | 5.24 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 337505 | 4.54 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 543685 | 5.34 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.256 | 72 | 86439 | 5.17 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 308459 | 5.52 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 34745 | 5.27 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 386526 | 5.53 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.063 | 72 | 91801 | 5.38 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 208218 | 5.31 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 92706 | 5.43 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.761 | 61 | 65000 | 5.24 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 368255 | 5.42 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 482374 | 5.58 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 341067 | 5.46 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 479650 | 5.48 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 513289 | 5.43 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 319305 | 5.50 | PPBV | | 99 |
| 52) | BENZENE | 9.400 | 78 | 616501 | 5.51 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 238638 | 5.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 125899 | 5.37 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 298892 | 5.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 245875 | 5.34 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 261552 | 5.04 | PPBV | | 97 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 425993 | 5.12 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 540223 | 5.18 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 973540 | 5.44 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.685 | 88 | 122741 | 4.50 | PPBV | # | 1 |
| 62) | HEPTANE | 11.028 | 43 | 344774 | 5.60 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 214720 | 5.32 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.799 | 58 | 181412 | 5.28 | PPBV | | 100 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 402547 | 5.22 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 422478 | 5.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 379761 | 5.34 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 358104 | 4.84 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 249437 | 5.34 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.371 | 58 | 255379 | 5.25 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 365412 | 5.22 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 302043 | 5.57 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 540159 | 5.27 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 450832 | 5.58 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 480408 | 5.59 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 351959 | 5.45 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 608780 | 5.52 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 974334 | 5.59 | PPBV | | 100 |
| 80) | m,p-XYLENE | 16.234 | 106 | 735362 | 10.95 | PPBV | | 98 |
| 81) | o-XYLENE | 16.901 | 106 | 369565 | 5.63 | PPBV | | 99 |
| 82) | STYRENE | 16.748 | 104 | 552274 | 5.56 | PPBV | | 99 |
| 83) | NONANE | 17.311 | 43 | 513330 | 5.74 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 529096 | 5.17 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 682433 | 5.57 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 482523 | 5.57 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1073018 | 5.53 | PPBV | | 100 |
| 89) | BROMOBENZENE | 17.904 | 77 | 566636 | 5.50 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 264838 | 5.36 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 284766 | 5.48 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1089019 | 5.65 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 921119 | 5.67 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 437586 | 5.24 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 191242 | 5.58 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 990160 | 5.65 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 668502 | 5.25 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 906932 | 5.04 | PPBV | | 100 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 664978 | 5.67 | PPBV | | 100 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 236216 | 5.70 | PPBV | | 96 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 964327 | 5.56 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 276086 | 5.66 | PPBV | | 100 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 622668 | 5.58 | PPBV | | 100 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 258808 | 5.51 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 467063 | 5.52 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 522385 | 4.72 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 465755 | 4.65 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 1115447 | 4.69 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1399979 | 6.08 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

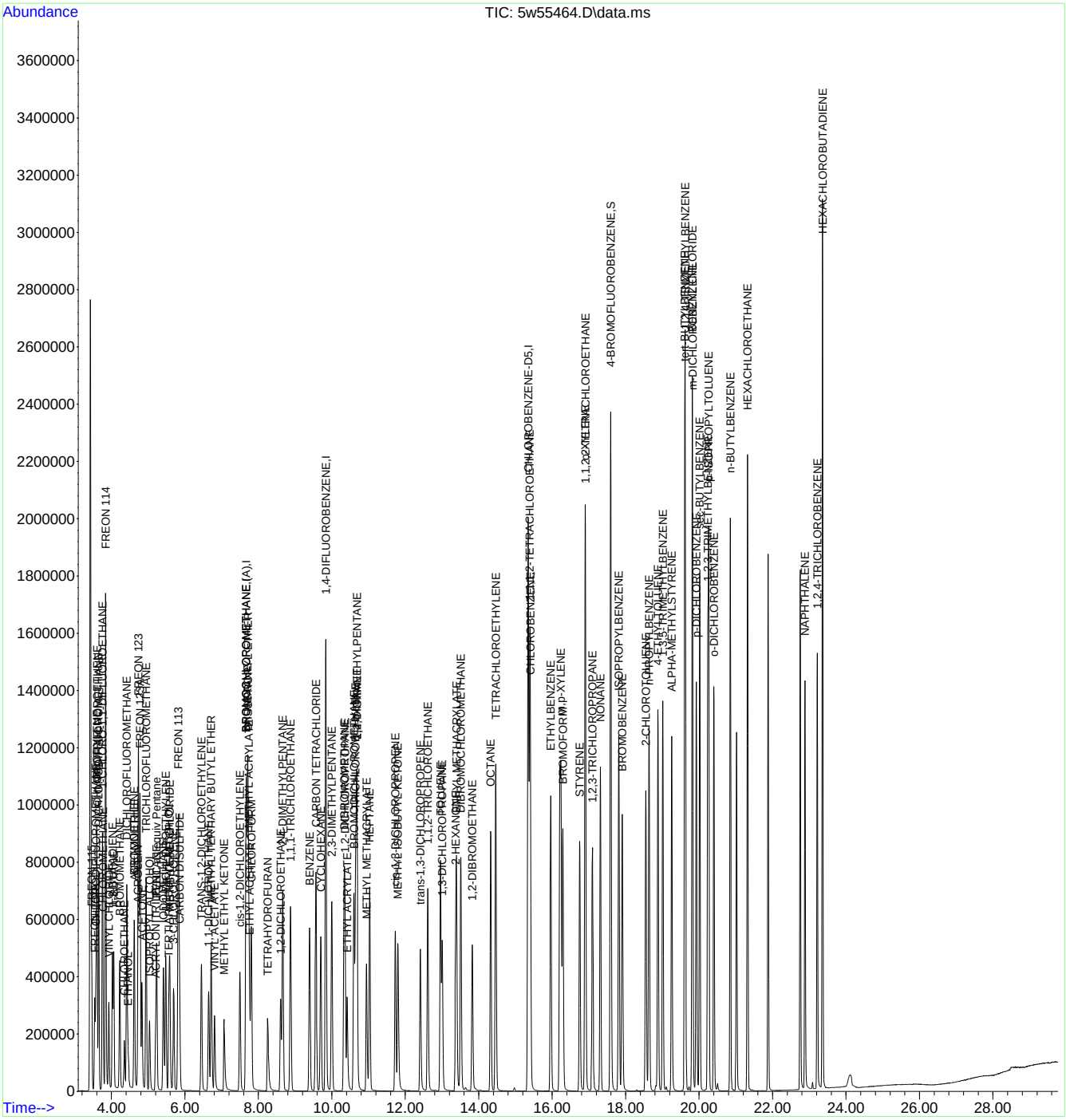
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 339202 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1511260 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 875250 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 339202 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 994958 | 10.00 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 605693 | 10.70 | PPBV | | 100 |
| 3) FREON 152A | 3.546 | 65 | 275104 | 10.70 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146118 | 10.60 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 620588 | 10.50 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1357955 | 10.60 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 318393 | 10.90 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1349681 | 10.60 | PPBV | | 100 |
| 9) FREON 114 | 3.839 | 85 | 1681548 | 11.00 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 163220 | 10.40 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572748 | 10.30 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390556 | 10.80 | PPBV | | 100 |
| 13) n-BUTANE | 4.066 | 43 | 731849 | 10.81 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.231 | 94 | 580880 | 10.50 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 255610 | 10.40 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1285896 | 10.60 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 400956 | 10.10 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 194255 | 10.50 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1310076 | 10.60 | PPBV | | 100 |
| 20) FREON 123A | 4.775 | 117 | 734746 | 11.00 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1219357 | 10.60 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 764798 | 10.60 | PPBV | | 100 |
| 23) ACETONE | 4.824 | 58 | 227018 | 10.30 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 396405 | 10.90 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 1102700 | 11.00 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 387658 | 10.70 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1147721 | 10.60 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 271251 | 10.20 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 544999 | 10.60 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 251010 | 11.01 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 363117 | 10.50 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 185861 | 10.50 | PPBV | | 100 |
| 33) FREON 113 | 5.822 | 151 | 636251 | 10.60 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 404191 | 10.50 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 761817 | 9.90 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 1138359 | 10.80 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 181760 | 10.50 | PPBV | | 100 |
| 38) HEXANE | 7.706 | 57 | 624158 | 10.80 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 70963 | 10.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 773941 | 10.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 190475 | 10.80 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 434152 | 10.70 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190722 | 10.80 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.749 | 61 | 138469 | 10.80 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 759561 | 10.81 | PPBV | | 100 |
| 46) CHLOROFORM | 7.810 | 83 | 965951 | 10.80 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 697723 | 10.80 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 978590 | 10.80 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1055955 | 10.80 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 654982 | 10.90 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1252492 | 11.00 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 494054 | 10.90 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 257829 | 10.80 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 617097 | 10.50 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 491975 | 10.50 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 554921 | 10.50 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 906659 | 10.70 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1114691 | 10.50 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1969454 | 10.80 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 291854 | 10.50 | PPBV | | 100 |
| 62) HEPTANE | 11.028 | 43 | 690296 | 11.00 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 448158 | 10.90 | PPBV | | 100 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 377985 | 10.80 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 840076 | 10.70 | PPBV | | 100 |
| 66) TOLUENE | 12.961 | 92 | 885739 | 10.60 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 767017 | 10.60 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 768015 | 10.20 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 509433 | 10.70 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.365 | 58 | 548403 | 10.60 | PPBV | | 100 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 781201 | 10.50 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 628078 | 10.90 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1144713 | 10.50 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 943815 | 11.00 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 995955 | 10.90 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 741767 | 10.80 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1266085 | 10.80 | PPBV | | 100 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2039775 | 11.00 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 1527990 | 21.40 | PPBV | | 100 |
| 81) o-XYLENE | 16.901 | 106 | 760103 | 10.90 | PPBV | | 100 |
| 82) STYRENE | 16.754 | 104 | 1162167 | 11.00 | PPBV | | 100 |
| 83) NONANE | 17.311 | 43 | 1035723 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 1163343 | 10.70 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1418746 | 10.90 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 975518 | 10.60 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2187498 | 10.60 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.910 | 77 | 1139573 | 10.40 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 541116 | 10.30 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 585017 | 10.60 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 2232548 | 10.90 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1882828 | 10.90 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 922485 | 10.40 | PPBV | | 100 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 400422 | 11.00 | PPBV | | 100 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2047810 | 11.00 | PPBV | | 100 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1407750 | 10.40 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 1990839 | 10.40 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1359653 | 10.90 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 479738 | 10.90 | PPBV | | 100 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1974262 | 10.70 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 559789 | 10.80 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1269083 | 10.70 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 539061 | 10.80 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 988753 | 11.00 | PPBV | | 100 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1271645 | 10.80 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1160909 | 10.90 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 2753803 | 10.90 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 2596090 | 10.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

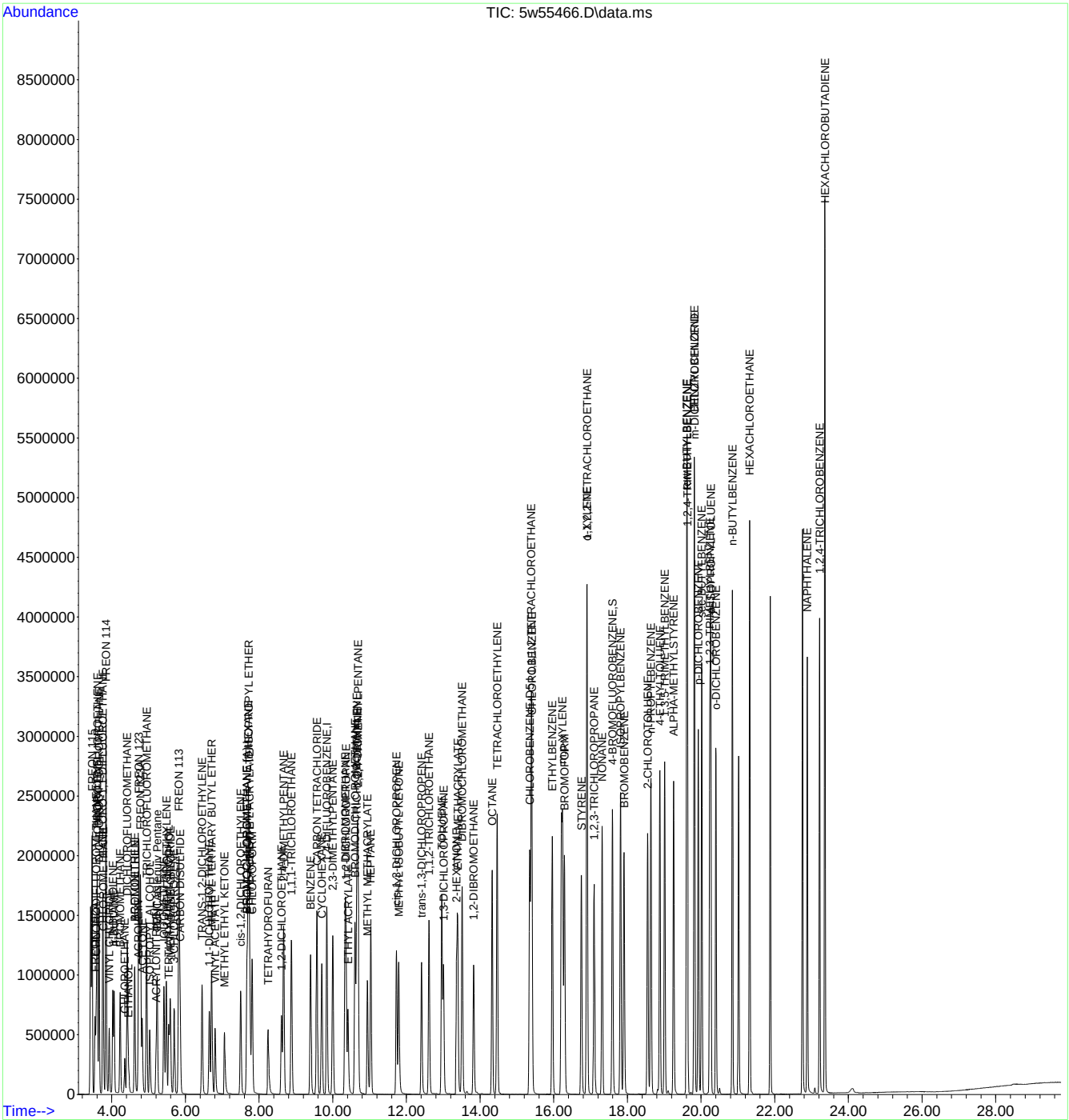
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 342882 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1466721 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 922805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 342882 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 962216 | 8.66 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 86.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 934470 | 19.68 | PPBV | 98 |
| 3) FREON 152A | 3.546 | 65 | 555724 | 22.02 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 300670 | 23.90 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 1281526 | 22.22 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 2693197 | 21.30 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 643425 | 19.46 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 2571204 | 18.91 | PPBV | 100 |
| 9) FREON 114 | 3.839 | 85 | 3131351 | 18.84 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 310103 | 17.98 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 1066972 | 17.42 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 737734 | 17.78 | PPBV | 99 |
| 13) n-BUTANE | 4.066 | 43 | 1358072 | 16.34 | PPBV | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 1092994 | 16.45 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 475231 | 16.78 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 2390761 | 16.93 | PPBV | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 742883 | 15.46 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 362625 | 18.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 2426147 | 17.04 | PPBV | 99 |
| 20) FREON 123A | 4.782 | 117 | 1384065 | 18.79 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 2407405 | 20.30 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1487631 | 18.75 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 409828 | 12.79 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 771291 | 20.37 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 2200301 | 23.28 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 762107 | 20.94 | PPBV | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 2235145 | 21.22 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 502201 | 15.69 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 1034552 | 19.32 | PPBV | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 489577 | 14.31 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 698189 | 18.40 | PPBV | 100 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 362658 | 21.91 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 1282144 | 21.91 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 795699 | 20.82 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 1504766 | 22.16 | PPBV | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 2261702 | 23.80 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 361477 | 26.09 | PPBV | 98 |
| 38) HEXANE | 7.706 | 57 | 1299772 | 25.51 | PPBV | 98 |
| 39) VINYL ACETATE | 6.807 | 86 | 150354 | 28.46 | PPBV | # 94 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 1502107 | 20.85 | PPBV | 100 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 374963 | 27.41 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 852592 | 21.70 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 397171 | 26.25 | PPBV | 96 |
| 44) ETHYL ACETATE | 7.749 | 61 | 275669 | 27.45 | PPBV | # 99 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 1562708 | 25.53 | PPBV | 99 |
| 46) CHLOROFORM | 7.816 | 83 | 1887887 | 21.07 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 1404201 | 24.81 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 1974201 | 22.31 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.572 | 117 | 2157722 | 23.55 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 1304364 | 23.01 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 2480296 | 24.21 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 977006 | 26.51 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 518636 | 25.98 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.655 | 95 | 1261399 | 24.13 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 995547 | 22.86 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 1159519 | 22.34 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1809029 | 28.78 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 2255590 | 24.75 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 3898314 | 25.47 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 596545 | 26.92 | PPBV | # | 34 |
| 62) | HEPTANE | 11.034 | 43 | 1372329 | 25.70 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 886208 | 27.70 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 763728 | 28.95 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 1712055 | 27.85 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 1782618 | 26.48 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 1520252 | 24.75 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 1566263 | 28.62 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 1021706 | 24.00 | PPBV | | 100 |
| 71) | 2-HEXANONE | 13.359 | 58 | 1123497 | 27.97 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 1592458 | 26.68 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 1295487 | 21.06 | PPBV | | 100 |
| 74) | DIBROMOCHLOROMETHANE | 13.512 | 129 | 2360665 | 25.16 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.830 | 107 | 1912584 | 23.66 | PPBV | | 100 |
| 76) | OCTANE | 14.331 | 43 | 2007056 | 25.12 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 1557559 | 23.42 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 2596682 | 21.36 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 4106023 | 24.25 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.240 | 106 | 3148620 | 50.94 | PPBV | | 98 |
| 81) | o-XYLENE | 16.907 | 106 | 1571210 | 26.11 | PPBV | | 99 |
| 82) | STYRENE | 16.754 | 104 | 2380882 | 28.53 | PPBV | | 100 |
| 83) | NONANE | 17.317 | 43 | 2075321 | 24.63 | PPBV | | 100 |
| 84) | BROMOFORM | 16.295 | 173 | 2439049 | 29.26 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 2867748 | 22.16 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1910251 | 20.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 4416866 | 22.71 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 2298802 | 20.38 | PPBV | | 100 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 1104210 | 23.56 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 1183858 | 25.27 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 4498304 | 25.88 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 3785845 | 25.41 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 1903435 | 28.19 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 838658 | 31.61 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 4186232 | 26.94 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 2890142 | 23.15 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 4095162 | 27.40 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 2725460 | 23.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 963244 | 24.93 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4017952 | 25.38 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1146159 | 25.56 | PPBV | | 96 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 2526786 | 21.80 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 1115820 | 28.21 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2036046 | 26.21 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 2757653 | 27.12 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 2474878 | 27.79 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 5516380 | 27.68 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 5095960 | 17.51 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

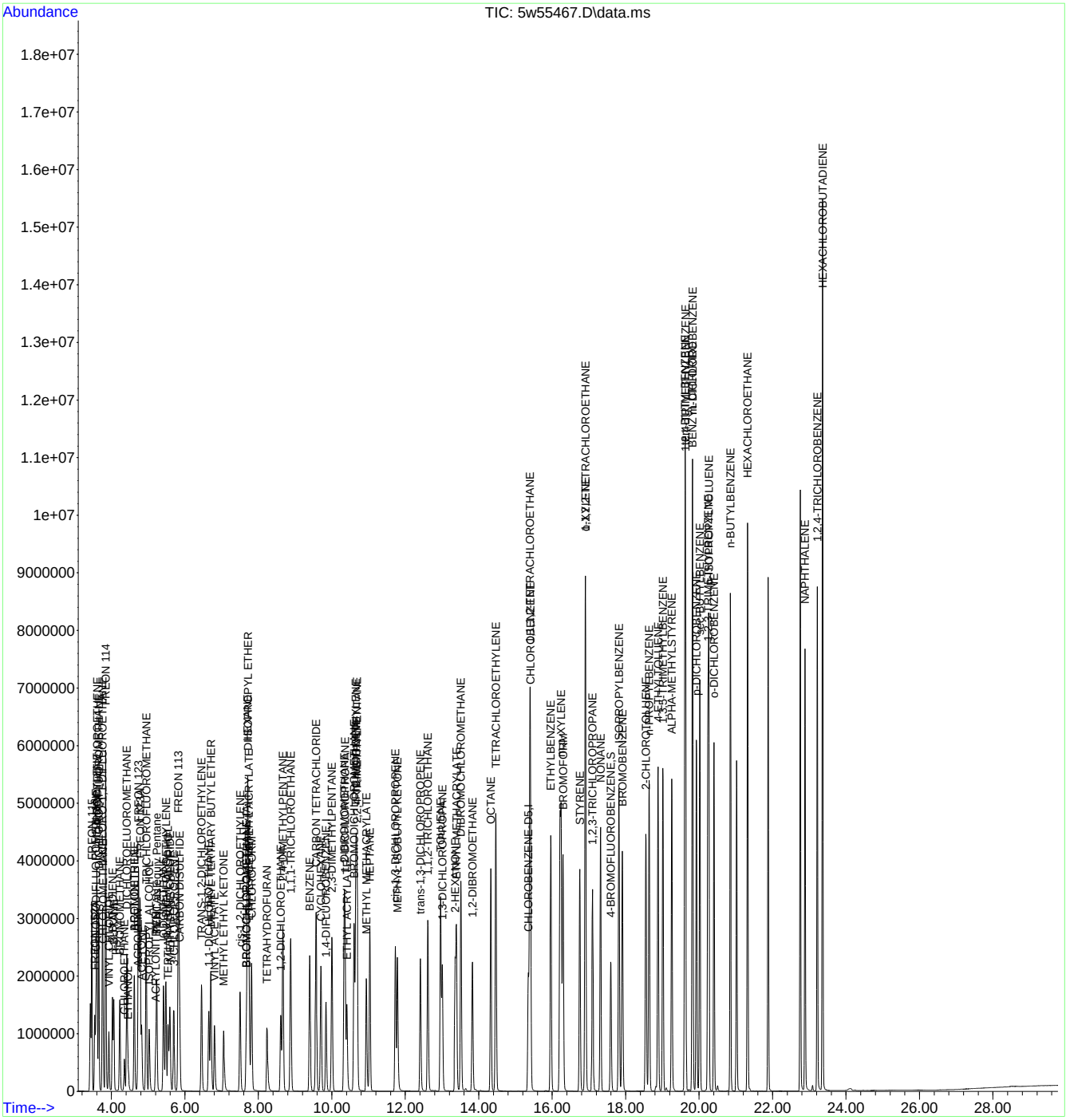
7.2.7

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 341329 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1382725 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1000073 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 341329 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 916347 | 7.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 1110003 | 44.01 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 618926 | 48.54 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 2675087 | 46.21 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 5267335 | 41.82 | PPBV | 98 |
| 7) PROPYLENE | 3.589 | 41 | 1264054 | 39.00 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 4841129 | 36.33 | PPBV | 99 |
| 9) FREON 114 | 3.839 | 85 | 5644224 | 34.83 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.766 | 52 | 586442 | 34.83 | PPBV | 95 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 1976978 | 33.16 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 1352676 | 33.60 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 2400545 | 30.24 | PPBV | 99 |
| 14) BROMOMETHANE | 4.225 | 94 | 2043818 | 32.06 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 871035 | 31.77 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 4291710 | 31.43 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1277797 | 27.81 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 645615 | 33.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 4240053 | 30.77 | PPBV | 98 |
| 20) FREON 123A | 4.775 | 117 | 2547507 | 35.48 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 4713026 | 40.16 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2716413 | 35.07 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 731236 | 24.80 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 1485676 | 39.79 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 4451630 | 46.92 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 1496349 | 41.43 | PPBV | 98 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 4309243 | 41.09 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 853574 | 28.43 | PPBV | 100 |
| 29) BROMOETHENE | 4.616 | 106 | 1928359 | 36.64 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 958150 | 30.25 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1342564 | 36.18 | PPBV | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 697695 | 42.08 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 2636699 | 45.05 | PPBV | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1572877 | 41.40 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 2859765 | 41.60 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 4395819 | 45.80 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 8.226 | 72 | 698114 | 48.66 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 2611399 | 50.18 | PPBV | 95 |
| 39) VINYL ACETATE | 6.806 | 86 | 306105 | 54.21 | PPBV | # 87 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 2896622 | 40.54 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 729314 | 51.25 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 1696626 | 43.29 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 811232 | 52.00 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.749 | 61 | 550445 | 52.69 | PPBV | # 97 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3113267 | 49.30 | PPBV | 98 |
| 46) CHLOROFORM | 7.816 | 83 | 3681330 | 41.42 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2767046 | 48.09 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 3966870 | 44.82 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 4344419 | 47.03 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 2563201 | 45.07 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 4805887 | 49.06 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 1932753 | 53.96 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1034868 | 53.44 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 2594903 | 51.56 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 1968777 | 47.35 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 2452377 | 49.66 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 3514442 | 56.09 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.612 | 83 | 4532566 | 51.44 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 7451774 | 50.35 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 1171033 | 53.54 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 2670311 | 51.81 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 1706636 | 54.15 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 1514817 | 57.65 | PPBV | | 96 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 3416380 | 56.51 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 3622228 | 55.11 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 2997850 | 50.56 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 3139635 | 57.54 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2047204 | 50.14 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2249832 | 49.07 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 3192358 | 47.23 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 2700260 | 40.71 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 4797242 | 45.88 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 3887570 | 43.91 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 3923196 | 44.34 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 3275763 | 44.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 5271880 | 40.07 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 8126299 | 43.65 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.246 | 106 | 6467969 | 94.01 | PPBV | | 92 |
| 81) | o-XYLENE | 16.907 | 106 | 3188562 | 47.55 | PPBV | | 95 |
| 82) | STYRENE | 16.754 | 104 | 4879514 | 51.77 | PPBV | | 99 |
| 83) | NONANE | 17.317 | 43 | 3987420 | 42.86 | PPBV | | 97 |
| 84) | BROMOFORM | 16.301 | 173 | 5078215 | 52.97 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 5613840 | 39.93 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 3751035 | 36.66 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 8798069 | 41.32 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.916 | 77 | 4625514 | 37.94 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 2317722 | 44.71 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 2469115 | 47.34 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 8909475 | 46.07 | PPBV | | 96 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 7582950 | 45.88 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 3974554 | 51.70 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 1750552 | 57.31 | PPBV | # | 88 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 8073536 | 46.45 | PPBV | | 96 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 5812290 | 42.28 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 7865415 | 46.45 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 5572136 | 43.25 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 1985344 | 46.46 | PPBV | # | 80 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 7982379 | 45.32 | PPBV | # | 96 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 2391446 | 47.95 | PPBV | # | 84 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 5204091 | 41.33 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 2355801 | 52.65 | PPBV | # | 78 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 4095368 | 47.35 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 5758391 | 50.41 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 5399109 | 53.83 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.890 | 128 | 10659068 | 47.52 | PPBV | | 95 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 9863883 | 35.04 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

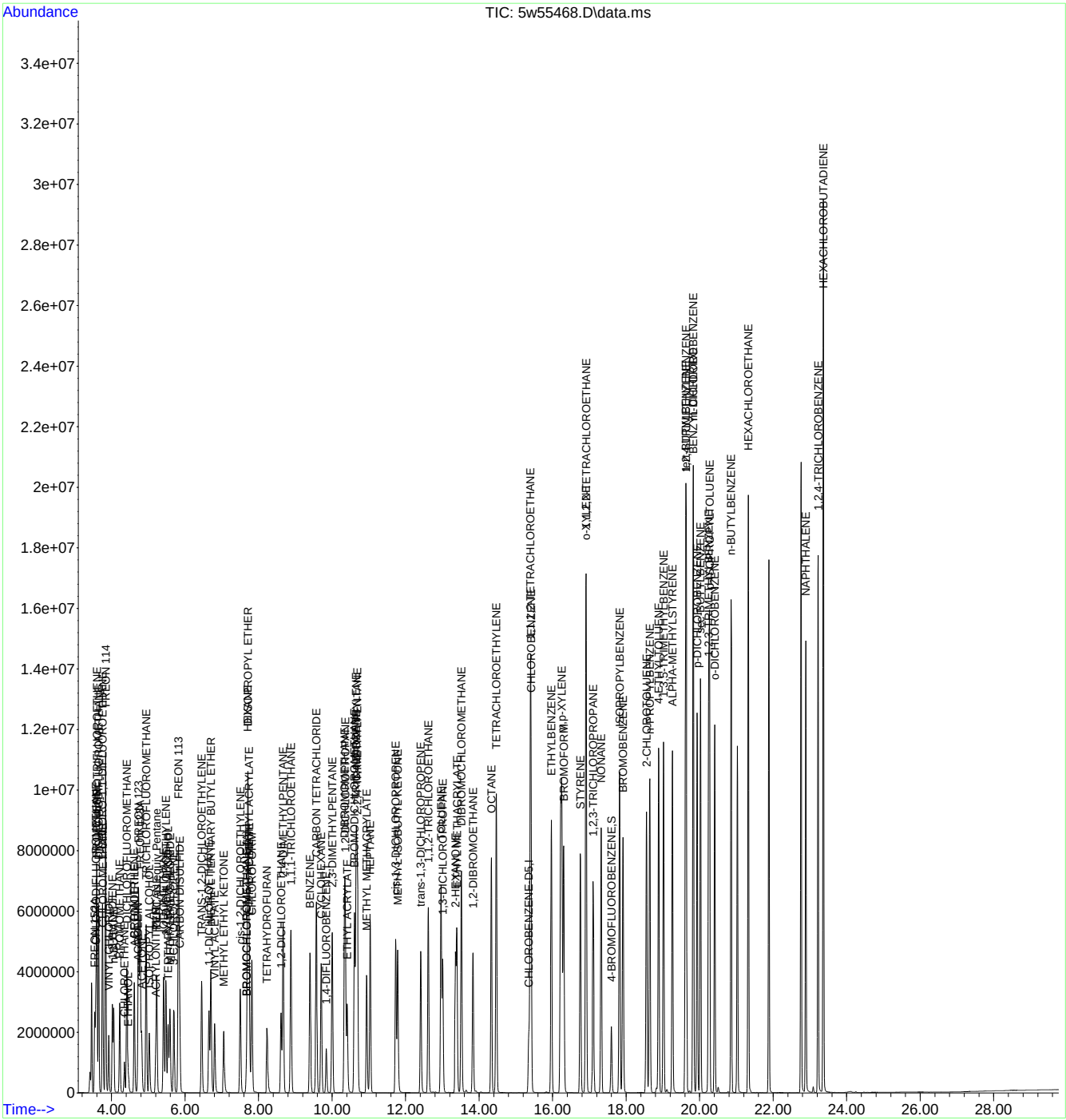
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 363096 | 10.00 | PPBV | | 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1435494 | 10.00 | PPBV | | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1087902 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 363096 | 10.00 | PPBV | # | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 962842 | 7.71 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 1409928 | 52.36 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 788640 | 57.10 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 3518696 | 56.43 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 6578479 | 49.18 | PPBV | | 97 |
| 7) PROPYLENE | 3.601 | 41 | 1558841 | 45.82 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 5783866 | 41.54 | PPBV | | 98 |
| 9) FREON 114 | 3.839 | 85 | 6688154 | 39.83 | PPBV | | 92 |
| 10) CHLOROMETHANE | 3.772 | 52 | 708046 | 40.35 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2437569 | 39.40 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 1667571 | 40.06 | PPBV | | 97 |
| 13) n-BUTANE | 4.066 | 43 | 2956319 | 36.57 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 2585698 | 39.46 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 1112344 | 39.30 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 5325853 | 37.89 | PPBV | | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1590540 | 34.05 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 812347 | 40.31 | PPBV | | 100 |
| 19) FREON 123 | 4.739 | 83 | 5322727 | 37.60 | PPBV | | 97 |
| 20) FREON 123A | 4.782 | 117 | 3262064 | 43.77 | PPBV | | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 5912238 | 47.68 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3130594 | 38.96 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 1801214 | 45.85 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 5859104 | 57.57 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 1920392 | 50.18 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 5333899 | 48.00 | PPBV | | 98 |
| 28) ETHANOL | 4.457 | 45 | 1061688 | 35.38 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 2463970 | 44.77 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.210 | 52 | 1172261 | 36.70 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1703220 | 43.91 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 888181 | 50.35 | PPBV | | 93 |
| 33) FREON 113 | 5.822 | 151 | 3534845 | 56.33 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 2032870 | 50.39 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 3417331 | 46.44 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 5589862 | 54.34 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 882416 | 56.54 | PPBV | | 93 |
| 38) HEXANE | 7.712 | 57 | 3251354 | 57.57 | PPBV | | 93 |
| 39) VINYL ACETATE | 6.813 | 86 | 398132 | 63.09 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 3625488 | 48.02 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 929876 | 59.84 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 2196558 | 52.61 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 1010128 | 59.15 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.749 | 61 | 686502 | 59.89 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3866289 | 56.23 | PPBV | | 97 |
| 46) CHLOROFORM | 7.822 | 83 | 4663315 | 49.57 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.672 | 57 | 3422747 | 55.14 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 5135690 | 54.30 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 5694246 | 57.32 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 3247346 | 53.45 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

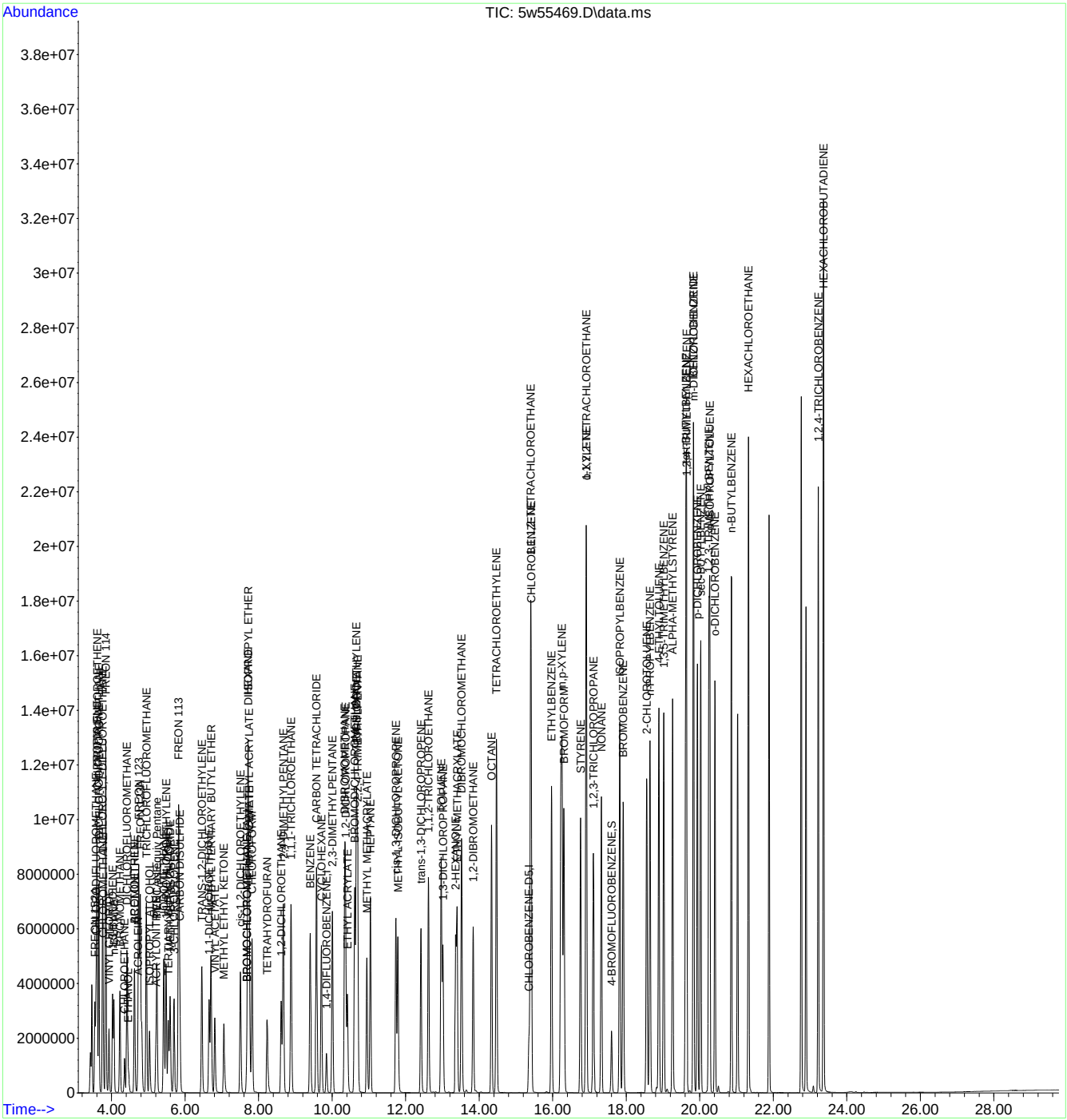
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 52) | BENZENE | 9.406 | 78 | 6113532 | 59.26 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.706 | 84 | 2475588 | 64.65 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1313485 | 63.46 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.661 | 95 | 3350858 | 62.36 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 2447772 | 55.81 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 3348127 | 63.85 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 10.416 | 55 | 4375473 | 64.41 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.618 | 83 | 5756859 | 61.21 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.697 | 57 | 9040011 | 57.64 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 1504708 | 63.77 | PPBV | # | 1 |
| 62) | HEPTANE | 11.040 | 43 | 3250063 | 59.42 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.942 | 69 | 2166506 | 64.00 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 1897421 | 66.38 | PPBV | | 93 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 4365639 | 66.88 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 4696538 | 66.34 | PPBV | | 96 |
| 67) | 1,3-DICHLOROPROPANE | 13.016 | 76 | 3810935 | 60.45 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.416 | 75 | 4045609 | 64.37 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2637082 | 60.91 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2840400 | 51.38 | PPBV | | 93 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 4057750 | 54.22 | PPBV | | 95 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 3652923 | 51.05 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 6267031 | 54.46 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 5059319 | 52.54 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 4818681 | 49.96 | PPBV | | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.402 | 131 | 4326992 | 54.27 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 6799424 | 47.95 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 10258201 | 50.70 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.246 | 106 | 8436000 | 111.35 | PPBV | | 88 |
| 81) | o-XYLENE | 16.913 | 106 | 4070628 | 55.18 | PPBV | | 92 |
| 82) | STYRENE | 16.760 | 104 | 6336380 | 60.46 | PPBV | | 99 |
| 83) | NONANE | 17.323 | 43 | 4885695 | 48.38 | PPBV | | 95 |
| 84) | BROMOFORM | 16.301 | 173 | 6736389 | 57.61 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 6857413 | 45.32 | PPBV | | 98 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 4752860 | 43.44 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 11140531 | 48.25 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.916 | 77 | 5858269 | 44.66 | PPBV | | 92 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3066170 | 53.80 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 3235225 | 56.20 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 11113673 | 52.46 | PPBV | | 94 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.024 | 105 | 9540125 | 52.72 | PPBV | | 95 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 5169037 | 56.23 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 2268727 | 58.03 | PPBV | # | 82 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.641 | 105 | 9871747 | 51.85 | PPBV | | 93 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 7376020 | 49.22 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.825 | 91 | 9467573 | 50.66 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 7163876 | 51.16 | PPBV | | 97 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 2603292 | 55.55 | PPBV | # | 67 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.247 | 105 | 9909252 | 51.34 | PPBV | # | 93 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 3067541 | 55.77 | PPBV | # | 77 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 6729808 | 49.34 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 3076474 | 61.52 | PPBV | # | 67 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 5060035 | 53.27 | PPBV | | 91 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 7021325 | 55.35 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 6957395 | 61.95 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 12050439 | 41.25 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 367475 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1638649 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 911415 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 367475 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1063310 | 10.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 104.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 609290 | 12.11 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 260396 | 9.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146420 | 10.39 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 632936 | 9.95 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1344712 | 10.01 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 286338 | 8.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1363042 | 9.91 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1731966 | 10.51 | PPBV | | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 156442 | 9.03 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572576 | 9.39 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 394416 | 9.64 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 729754 | 9.30 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 601870 | 9.37 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 259712 | 9.32 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1337017 | 9.71 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 408916 | 9.02 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 206598 | 10.43 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1322073 | 9.54 | PPBV | | 98 |
| 20) FREON 123A | 4.775 | 117 | 716793 | 9.72 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1280625 | 10.32 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 746766 | 9.50 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 228297 | 7.70 | PPBV | | 98 |
| 24) PENTANE | 5.234 | 42 | 361550 | 9.26 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 1165392 | 11.26 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 397014 | 10.32 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1188347 | 10.68 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 231689 | 8.04 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 574006 | 10.49 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 234694 | 7.62 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 367561 | 9.54 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 183296 | 10.31 | PPBV | | 94 |
| 33) FREON 113 | 5.822 | 151 | 692675 | 10.83 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 415687 | 10.23 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 838007 | 11.33 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1138293 | 10.93 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 182808 | 11.46 | PPBV | | 94 |
| 38) HEXANE | 7.706 | 57 | 580332 | 10.08 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.806 | 86 | 76162 | 11.57 | PPBV | # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 737374 | 9.76 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 183994 | 11.54 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 438839 | 10.40 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 182011 | 10.41 | PPBV | | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 132720 | 11.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 734957 | 10.50 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 994491 | 10.54 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 665821 | 10.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1027293 | 10.72 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1117143 | 11.04 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 644626 | 10.51 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1241071 | 10.45 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 497434 | 11.15 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 255937 | 10.63 | PPBV | | 95 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 628915 | 10.04 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 480413 | 9.53 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 607456 | 9.91 | PPBV | | 96 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 889260 | 11.18 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1129142 | 10.33 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1875164 | 10.40 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 305770 | 11.05 | PPBV | # | 88 |
| 62) HEPTANE | 11.034 | 43 | 644985 | 10.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 440067 | 11.15 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 365625 | 10.89 | PPBV | | 96 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 791718 | 10.34 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 897196 | 10.80 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 768595 | 10.52 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 763107 | 10.83 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 511400 | 10.19 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.365 | 58 | 533643 | 12.41 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 797333 | 12.67 | PPBV | | 97 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 678237 | 11.39 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1221557 | 12.62 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 968537 | 12.07 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 928927 | 11.60 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 789303 | 11.81 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1302463 | 11.10 | PPBV | | 98 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2069237 | 12.31 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.234 | 106 | 1576639 | 24.73 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 773169 | 12.49 | PPBV | | 97 |
| 82) STYRENE | 16.754 | 104 | 1182327 | 13.32 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 964575 | 11.55 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1229686 | 12.42 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1398226 | 11.24 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 977028 | 10.88 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2272900 | 11.87 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 1152759 | 10.66 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 580224 | 12.09 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 614508 | 12.66 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2276515 | 12.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1926471 | 12.75 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 964352 | 11.83 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 426733 | 12.94 | PPBV | | 97 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2101835 | 13.26 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1483124 | 11.88 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 2086019 | 12.26 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1425940 | 12.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 510021 | 12.96 | PPBV | | 95 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2045983 | 12.71 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 605096 | 13.08 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1345461 | 11.88 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 568438 | 13.36 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 980805 | 12.37 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1360841 | 12.77 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1285426 | 12.74 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 3116488 | 14.07 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2415970 | 8.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

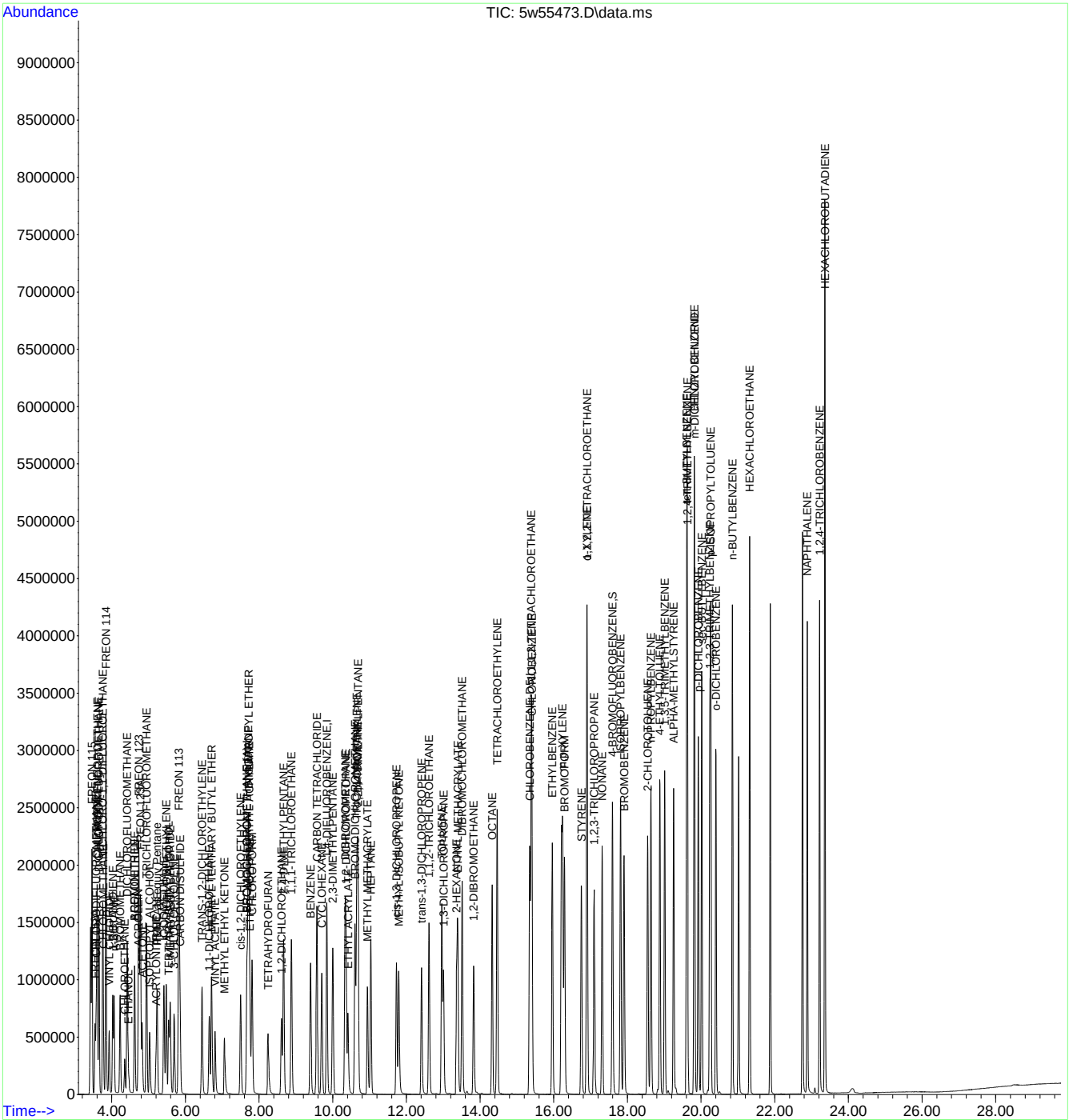
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 318888 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1469982 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 896125 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 318888 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1008742 | 10.06 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 624218 | 14.3002 | PPBV | 95 |
| 3) FREON 152A | 3.546 | 65 | 317951 | 13.4765 | PPBV | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 161801 | 13.2261 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 653547 | 11.8362 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1475918 | 12.6650 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 381974 | 13.0143 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1211334 | 10.1505 | PPBV | 99 |
| 9) FREON 114 | 3.845 | 85 | 1411506 | 9.8745 | PPBV | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128319 | 8.5387 | PPBV | 88 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 458589 | 8.6659 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 298397 | 8.4024 | PPBV | 83 |
| 13) n-BUTANE | 4.066 | 43 | 602522 | 8.8442 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 477772 | 8.5680 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 205540 | 8.4996 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1085746 | 9.0832 | PPBV | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 339144 | 8.6184 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 158132 | 9.2025 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1139561 | 9.4723 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 620886 | 9.7062 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1263194 | 11.7297 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 803523 | 11.7760 | PPBV | 98 |
| 23) ACETONE | 4.824 | 58 | 180153 | 7.0045 | PPBV # | 81 |
| 24) PENTANE | 5.234 | 42 | 429102 | 12.6592 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 1191766 | 13.2654 | PPBV | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 398323 | 11.9336 | PPBV | 97 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1235064 | 12.7895 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 207634 | 8.3028 | PPBV | 99 |
| 29) BROMOETHENE | 4.622 | 106 | 460244 | 9.6888 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.204 | 52 | 256089 | 9.5852 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 375160 | 11.2167 | PPBV | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 201866 | 13.0889 | PPBV | 96 |
| 33) FREON 113 | 5.821 | 151 | 732704 | 13.2034 | PPBV | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 419403 | 11.8906 | PPBV | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 775362 | 12.0798 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1228936 | 13.5933 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 197620 | 14.2794 | PPBV | 98 |
| 38) HEXANE | 7.700 | 57 | 627757 | 12.5641 | PPBV | 94 |
| 39) VINYL ACETATE | 6.806 | 86 | 75731 | 13.2606 | PPBV # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 811475 | 12.3786 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 202233 | 14.6202 | PPBV # | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 442713 | 12.0962 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 190748 | 12.5678 | PPBV # | 88 |
| 44) ETHYL ACETATE | 7.748 | 61 | 145181 | 14.2280 | PPBV # | 38 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 800096 | 13.1722 | PPBV | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1039127 | 12.6937 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 723012 | 13.2316 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1035484 | 12.4576 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1102538 | 12.5504 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 708904 | 13.3139 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1342299 | 12.5982 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 516137 | 12.8959 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 282810 | 13.0878 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 633242 | 11.2736 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 510553 | 11.2893 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 755528 | 13.7405 | PPBV | | 81 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 981600 | 13.7593 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1206214 | 12.2973 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1990028 | 12.2995 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 299962 | 12.0893 | PPBV | # | 81 |
| 62) | HEPTANE | 11.028 | 43 | 752488 | 13.3154 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 481560 | 13.5953 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 388890 | 12.9157 | PPBV | | 87 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 908137 | 13.2187 | PPBV | | 97 |
| 66) | TOLUENE | 12.961 | 92 | 887710 | 11.9118 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 820517 | 12.5149 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 828355 | 13.0998 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 537644 | 11.9426 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.358 | 58 | 560900 | 13.2683 | PPBV | | 87 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 835523 | 13.4987 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 747063 | 12.7632 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1097540 | 11.5317 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 940751 | 11.9201 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1084120 | 13.7735 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 720856 | 10.9694 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1232114 | 10.6804 | PPBV | | 95 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 2076562 | 12.5690 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1471828 | 23.4783 | PPBV | | 95 |
| 81) | o-XYLENE | 16.901 | 106 | 720486 | 11.8401 | PPBV | | 95 |
| 82) | STYRENE | 16.748 | 104 | 1142420 | 13.0892 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 1130936 | 13.7682 | PPBV | | 99 |
| 84) | BROMOFORM | 16.289 | 173 | 1519883 | 15.6082 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1428324 | 11.6774 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1030429 | 11.6674 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2152989 | 11.4342 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1211657 | 11.3933 | PPBV | | 93 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 534316 | 11.3259 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 567338 | 11.8851 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2199724 | 12.6578 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1831439 | 12.3314 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 879694 | 10.9728 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 380904 | 11.7468 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1961577 | 12.5882 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1422500 | 11.5936 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1933734 | 11.5617 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1409874 | 12.3075 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 455920 | 11.7845 | PPBV | | 94 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1931074 | 12.2018 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 529338 | 11.6416 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1318774 | 11.8402 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525567 | 12.5653 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1006137 | 12.9044 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 2010215 | 19.1838 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1700363 | 17.1334 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2718914 | 12.4811 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 2774316 | 11.1132 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

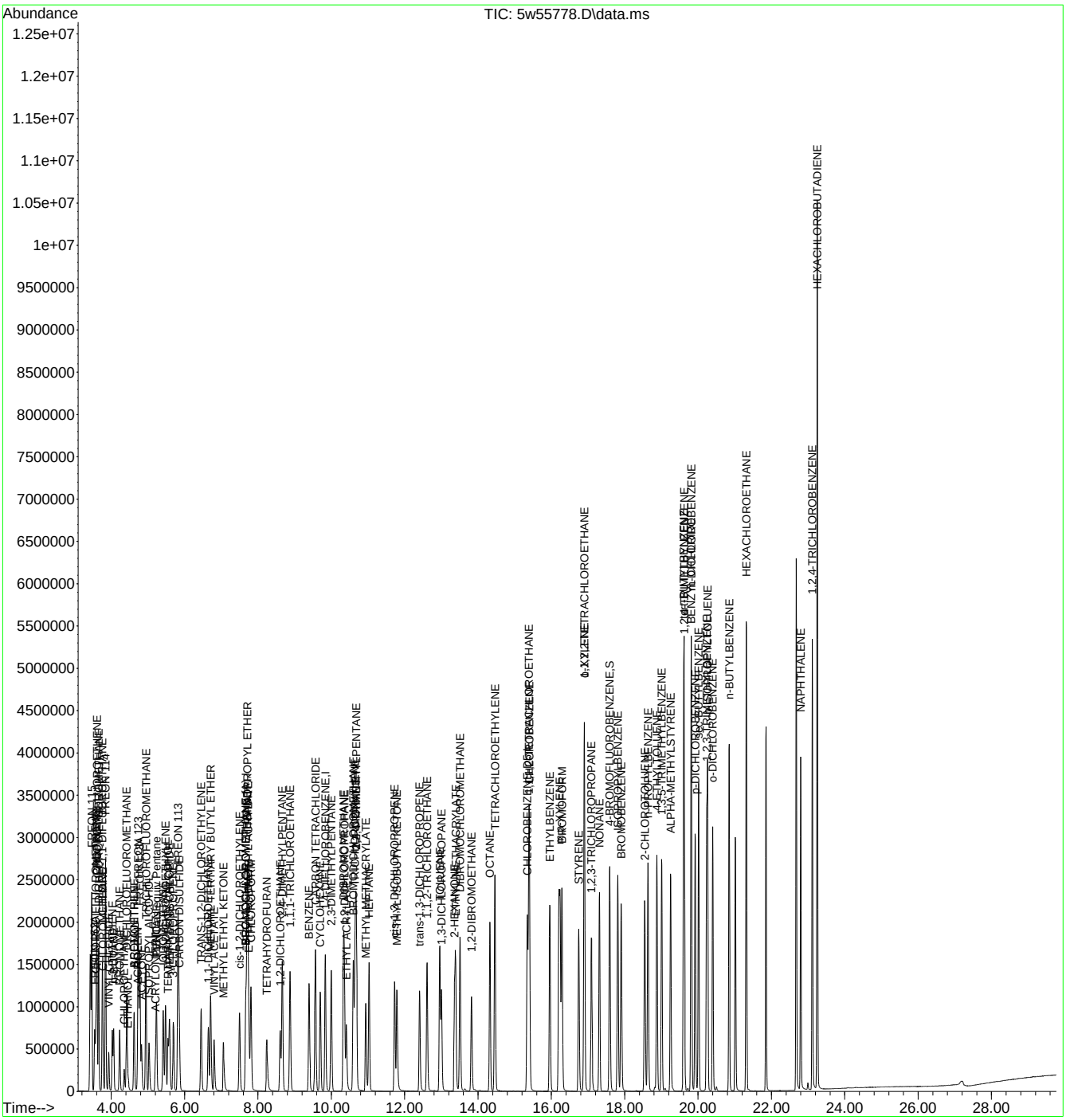
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 263070 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1217301 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 738303 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 263070 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 828145 | 10.02 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 443684 | 12.3210 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 212489 | 10.9174 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 118141 | 11.7063 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 455636 | 10.0028 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1073218 | 11.1634 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 257735 | 10.6445 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1120022 | 11.3767 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1412169 | 11.9753 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 124915 | 10.0759 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 476330 | 10.9110 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 312743 | 10.6749 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 620169 | 11.0348 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 475235 | 10.3309 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209737 | 10.5135 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1073511 | 10.8864 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 340326 | 10.4835 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 158371 | 11.1720 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 1097141 | 11.0548 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 579782 | 10.9867 | PPBV | | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 992534 | 11.1719 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 589792 | 10.4777 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 174326 | 8.2161 | PPBV | | 90 |
| 24) PENTANE | 5.228 | 42 | 306426 | 10.9582 | PPBV | | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 939913 | 12.6819 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 296637 | 10.7728 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 905072 | 11.3609 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 218980 | 10.6145 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 433197 | 11.0544 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.198 | 52 | 185208 | 8.4030 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 279330 | 10.1235 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 147321 | 11.5790 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 589276 | 12.8719 | PPBV | | 83 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 307408 | 10.5646 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 581566 | 10.9830 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 919622 | 12.3303 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 148350 | 12.9937 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 459701 | 11.1527 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 56579 | 12.0092 | PPBV | | 99 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 598323 | 11.0636 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153607 | 13.4611 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 329132 | 10.9009 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 144614 | 11.5498 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.742 | 61 | 103860 | 12.3381 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 588812 | 11.7506 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 773655 | 11.4560 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 526334 | 11.6760 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 772811 | 11.2702 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 830049 | 11.4534 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 534819 | 12.1757 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003717 | 11.3759 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 396422 | 11.9608 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 212277 | 11.8628 | PPBV | | 91 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 483189 | 10.3878 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 382961 | 10.2258 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 614707 | 13.5000 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 721337 | 12.2100 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 909013 | 11.1910 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1465609 | 10.9385 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 227029 | 11.0492 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 560388 | 11.9745 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 372004 | 12.6823 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 297634 | 11.9368 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 688807 | 12.1073 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 690703 | 11.1921 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 615745 | 11.3411 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622635 | 11.8904 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 405394 | 10.8742 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429888 | 12.3429 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646680 | 12.6811 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628528 | 13.0335 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 865933 | 11.0431 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 716152 | 11.0140 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 821392 | 12.6663 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 554115 | 10.2346 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 950698 | 10.0026 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1588334 | 11.6689 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.209 | 106 | 1164310 | 22.5430 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 571423 | 11.3978 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 888220 | 12.3521 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 857369 | 12.6690 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1248720 | 15.5647 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1093404 | 10.8501 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 770661 | 10.5914 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1668204 | 10.7534 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 920121 | 10.5015 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 405141 | 10.4235 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 441199 | 11.2183 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1704719 | 11.9063 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1434926 | 11.7269 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 695654 | 10.5321 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 311530 | 11.6610 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1567244 | 12.2076 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1161828 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1522621 | 11.0497 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1135811 | 12.0346 | PPBV | | 95 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 373153 | 11.7069 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1526328 | 11.7060 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432797 | 11.5531 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1063562 | 11.5900 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 424199 | 12.3098 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 800997 | 12.4694 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1750424 | 20.2754 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1448982 | 17.7214 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2170339 | 12.0926 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2047811 | 9.9435 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

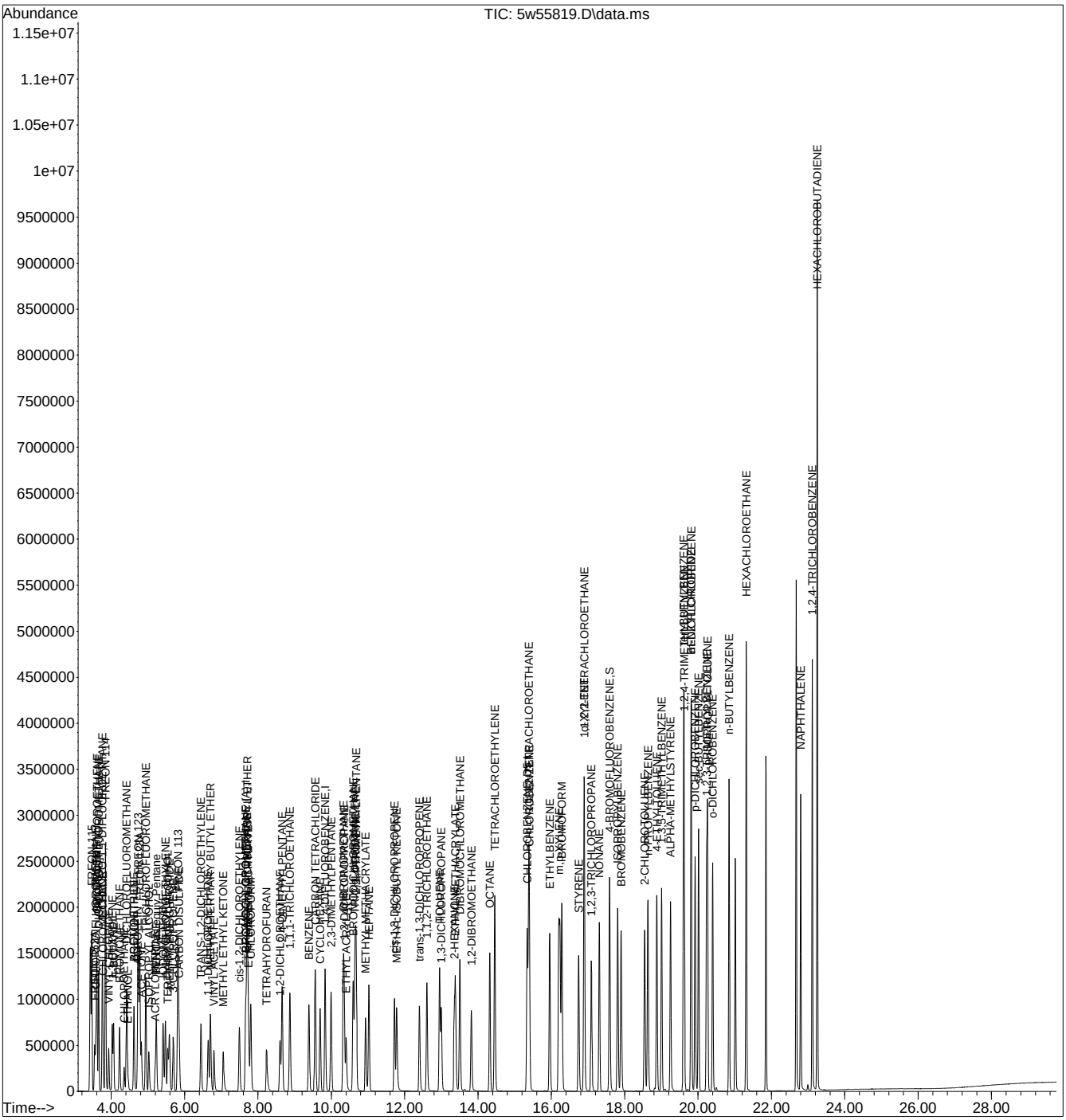
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 435174 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 379594 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 275352 | 9.89 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 521 | 0.05 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 283 | 0.05 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 125 | 0.04 | PPBV | # | 38 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 644 | 0.05 | PPBV | | 79 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 1424 | 0.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 412 | 0.05 | PPBV | # | 75 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1198 | 0.04 | PPBV | # | 77 |
| 9) FREON 114 | 1.759 | 85 | 1188 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.733 | 52 | 270 | 0.06 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 622 | 0.05 | PPBV | # | 84 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 532 | 0.05 | PPBV | # | 38 |
| 13) N-BUTANE | 1.849 | 43 | 921 | 0.05 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.910 | 94 | 499 | 0.05 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.958 | 64 | 295 | 0.04 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 1087 | 0.04 | PPBV | # | 74 |
| 17) ACETONITRILE | 2.055 | 41 | 1005 | 0.07 | PPBV | # | 82 |
| 19) FREON 123 | 2.106 | 83 | 1209 | 0.04 | PPBV | | 92 |
| 20) FREON 123A | 2.126 | 117 | 644 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.190 | 101 | 1284 | 0.04 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 2.229 | 45 | 1604 | 0.05 | PPBV | # | 74 |
| 23) ACETONE | 2.142 | 58 | 1052 | 0.10 | PPBV | | 91 |
| 24) PENTANE | 2.306 | 42 | 809 | 0.05 | PPBV | # | 91 |
| 25) IODOMETHANE | 2.367 | 142 | 1057 | 0.04 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 495 | 0.04 | PPBV | | 92 |
| 27) CARBON DISULFIDE | 2.528 | 76 | 1277 | 0.04 | PPBV | # | 75 |
| 28) ETHANOL | 2.000 | 45 | 820 | 0.07 | PPBV | # | 64 |
| 29) BROMOETHENE | 2.061 | 106 | 450 | 0.04 | PPBV | # | 80 |
| 30) ACRYLONITRILE | 2.277 | 52 | 632 | 0.06 | PPBV | | 87 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 890 | 0.07 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 287 | 0.05 | PPBV | # | 1 |
| 33) FREON 113 | 2.521 | 151 | 715 | 0.04 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 522 | 0.04 | PPBV | | 78 |
| 35) TERTIARY BUTYL ALCOHOL | 2.447 | 59 | 1139 | 0.04 | PPBV | # | 51 |
| 36) METHYL TERTIARY BUTYL ... | 2.878 | 73 | 1180 | 0.04 | PPBV | # | 81 |
| 37) TETRAHYDROFURAN | 3.598 | 72 | 164 | 0.03 | PPBV | # | 47 |
| 38) HEXANE | 3.322 | 57 | 1231 | 0.05 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.910 | 86 | 51 | 0.02 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 955 | 0.04 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 219 | 0.04 | PPBV | # | 14 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 521 | 0.04 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 208 | 0.03 | PPBV | | 43 |
| 44) ETHYL ACETATE | 3.341 | 61 | 177 | 0.04 | PPBV | # | 83 |
| 45) METHYL ACRYLATE | 3.328 | 55 | 948 | 0.04 | PPBV | | 90 |
| 46) CHLOROFORM | 3.344 | 83 | 987 | 0.04 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1018 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 923 | 0.04 | PPBV | | 93 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 765 | 0.03 | PPBV | | 94 |
| 50) 1,2-DICHLOROETHANE | 3.749 | 62 | 737 | 0.04 | PPBV | # | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

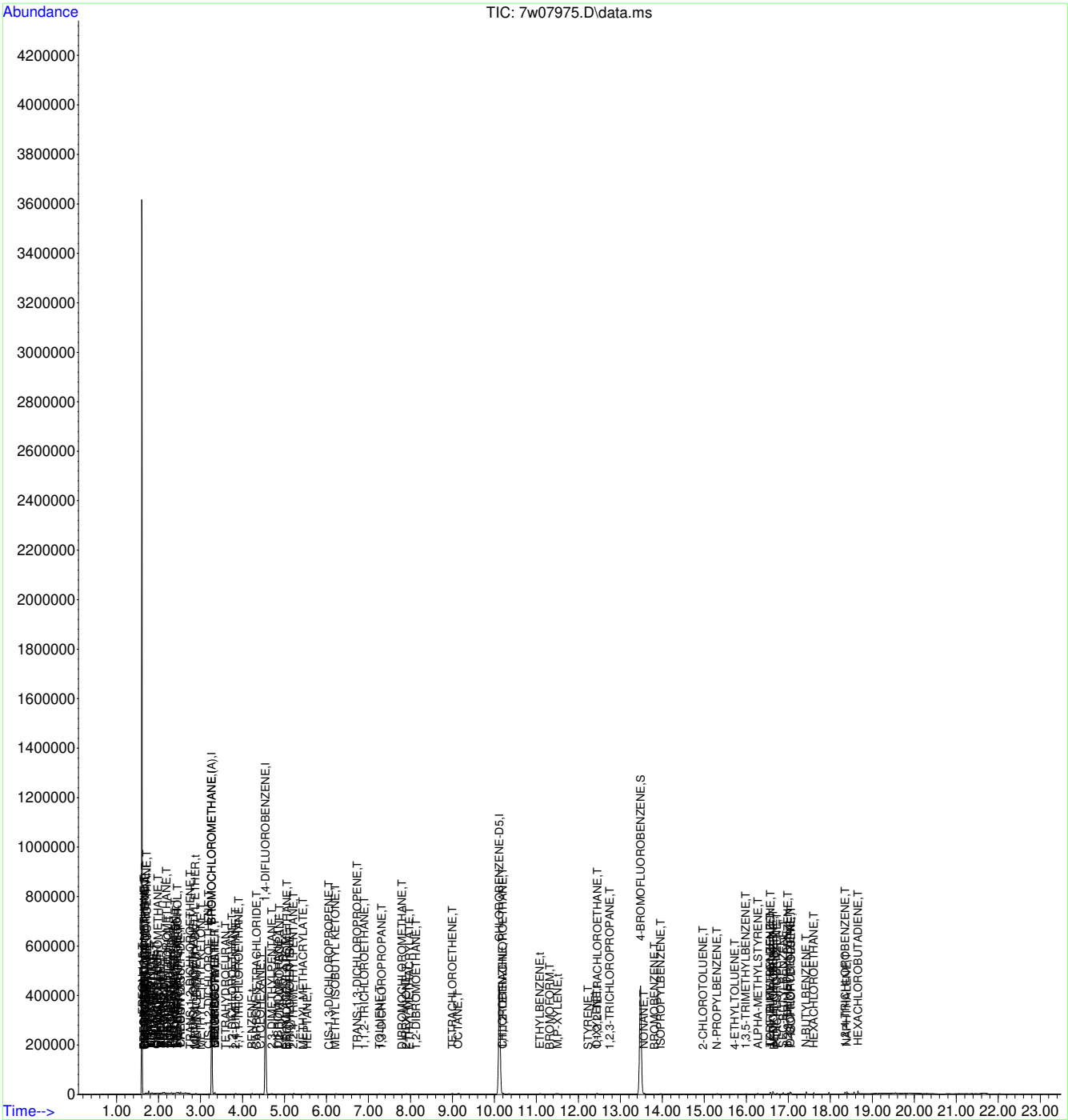
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) BENZENE | 4.219 | 78 | 1765 | 0.05 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.428 | 84 | 693 | 0.04 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 323 | 0.04 | PPBV | # | 73 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 728 | 0.04 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.884 | 63 | 609 | 0.04 | PPBV | # | 86 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 617 | 0.04 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 5.032 | 55 | 1286 | 0.04 | PPBV | # | 86 |
| 59) BROMODICHLOROMETHANE | 5.061 | 83 | 937 | 0.04 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 3047 | 0.04 | PPBV | # | 93 |
| 62) HEPTANE | 5.540 | 43 | 1123 | 0.04 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.447 | 69 | 574 | 0.04 | PPBV | # | 85 |
| 64) METHYL ISOBUTYL KETONE | 6.206 | 58 | 746 | 0.05 | PPBV | # | 1 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 655 | 0.03 | PPBV | | 86 |
| 66) TOLUENE | 7.264 | 91 | 2052 | 0.04 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.315 | 76 | 924 | 0.04 | PPBV | # | 84 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.730 | 75 | 422 | 0.03 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.904 | 83 | 497 | 0.04 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.900 | 58 | 1104 | 0.05 | PPBV | # | 95 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 838 | 0.04 | PPBV | # | 87 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 878 | 0.05 | PPBV | | 93 |
| 73) DIBROMOCHLOROMETHANE | 7.797 | 129 | 793 | 0.03 | PPBV | | 92 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 952 | 0.04 | PPBV | # | 99 |
| 75) OCTANE | 9.135 | 43 | 2128 | 0.06 | PPBV | # | 79 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.196 | 131 | 638 | 0.04 | PPBV | | 86 |
| 78) CHLOROBENZENE | 10.190 | 112 | 1477 | 0.04 | PPBV | # | 87 |
| 79) ETHYLBENZENE | 11.080 | 91 | 2859 | 0.05 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.505 | 91 | 4346m | 0.09 | PPBV | | |
| 81) O-XYLENE | 12.434 | 91 | 2112 | 0.04 | PPBV | | 84 |
| 82) STYRENE | 12.231 | 104 | 1406 | 0.04 | PPBV | # | 67 |
| 83) NONANE | 13.556 | 43 | 1791 | 0.05 | PPBV | # | 83 |
| 84) BROMOFORM | 11.318 | 173 | 690m | 0.03 | PPBV | | |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 1288 | 0.04 | PPBV | # | 90 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.743 | 75 | 1102 | 0.04 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 662 | 0.04 | PPBV | | 78 |
| 89) BROMOBENZENE | 13.810 | 77 | 1167 | 0.03 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.964 | 126 | 643 | 0.04 | PPBV | # | 62 |
| 91) N-PROPYLBENZENE | 15.299 | 120 | 676 | 0.04 | PPBV | # | 62 |
| 92) 4-ETHYLTOLUENE | 15.723 | 105 | 2657m | 0.04 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.987 | 105 | 2186 | 0.04 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.276 | 118 | 1080 | 0.04 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 543 | 0.04 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 2186 | 0.04 | PPBV | | 95 |
| 97) BENZYL CHLORIDE | 16.662 | 91 | 535 | 0.02 | PPBV | # | 61 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 1366 | 0.04 | PPBV | | 94 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 1547 | 0.04 | PPBV | | 97 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 1438 | 0.04 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 621 | 0.04 | PPBV | | 88 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 2316 | 0.04 | PPBV | # | 89 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 687 | 0.04 | PPBV | | 94 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 648 | 0.04 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 508 | 0.03 | PPBV | | 93 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 1096 | 0.04 | PPBV | | 95 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1301 | 0.04 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 4007 | 0.04 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.306 | TIC | 3733m | 0.04 | PPBV | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



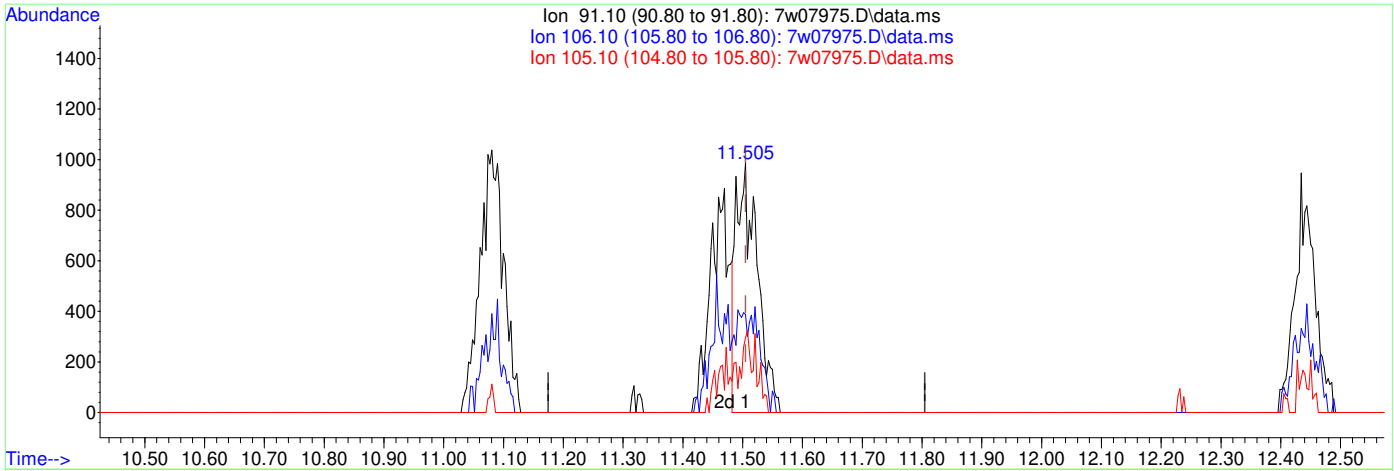
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
**Injection Time:** 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

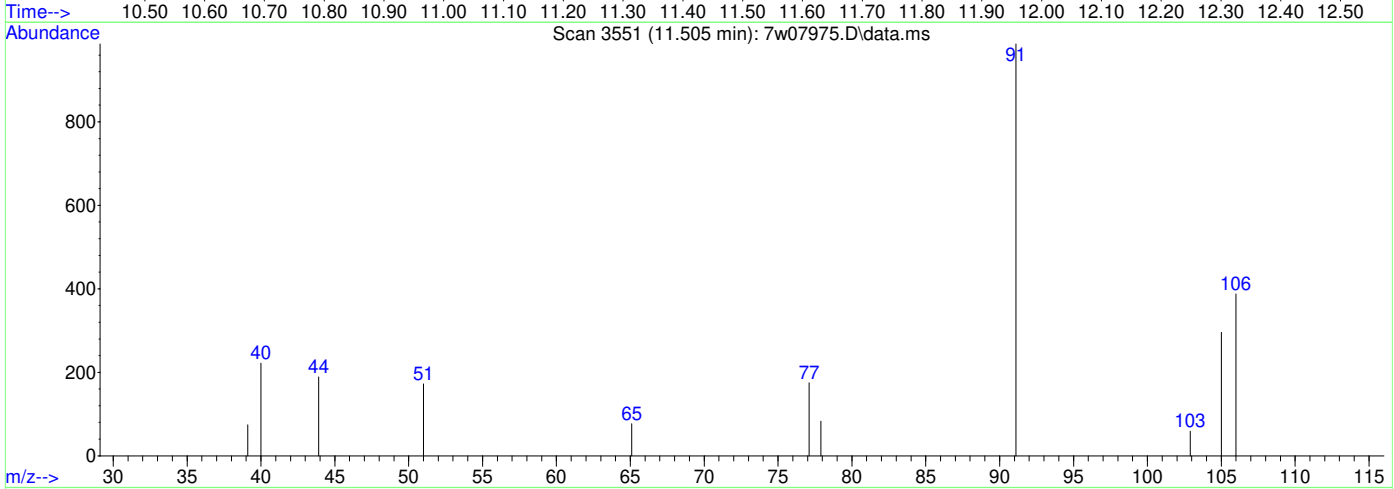
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| TVHC As Equiv Pentane | | | 2.31 | Poor instrument integration |
| Bromoform | 75-25-2 | | 11.32 | Split peak |
| m,p-Xylene | | | 11.50 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.72 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

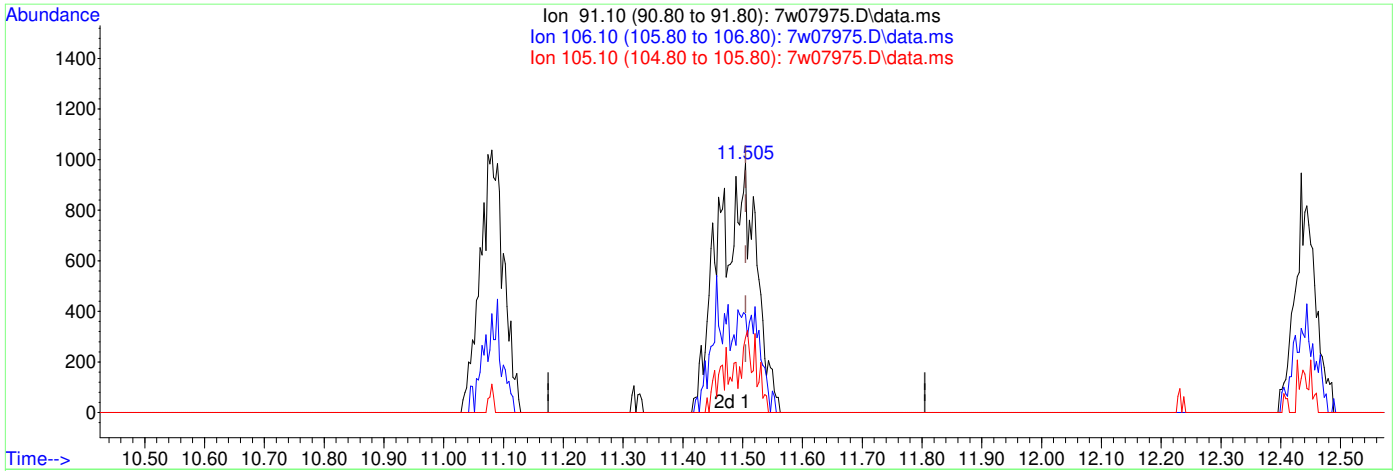
response 2415

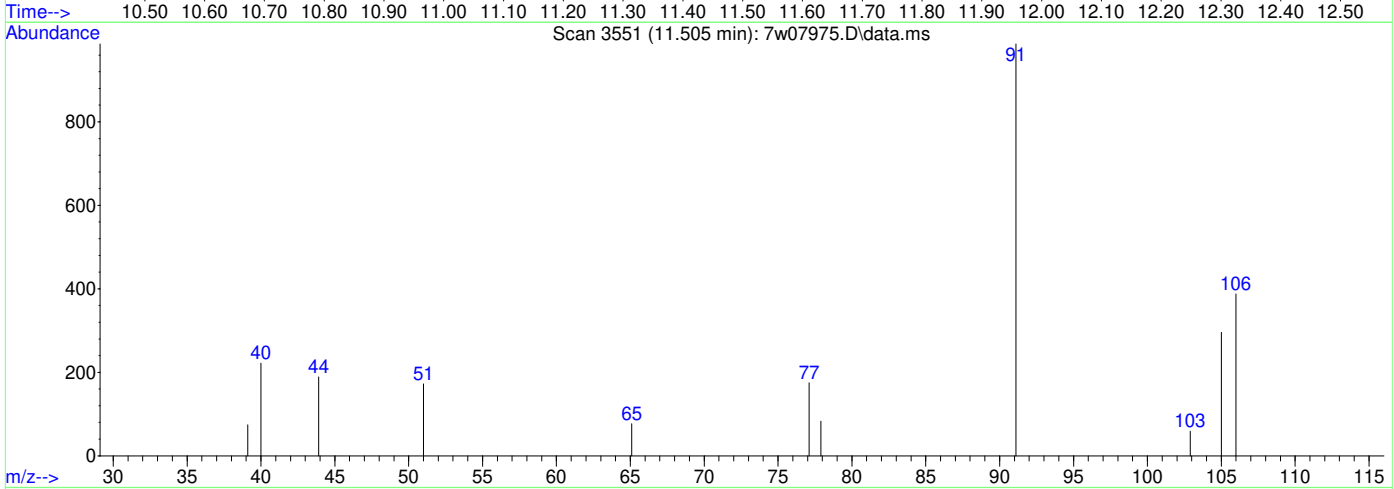
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 17.97 |
| 105.10 | 11.30 | 30.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

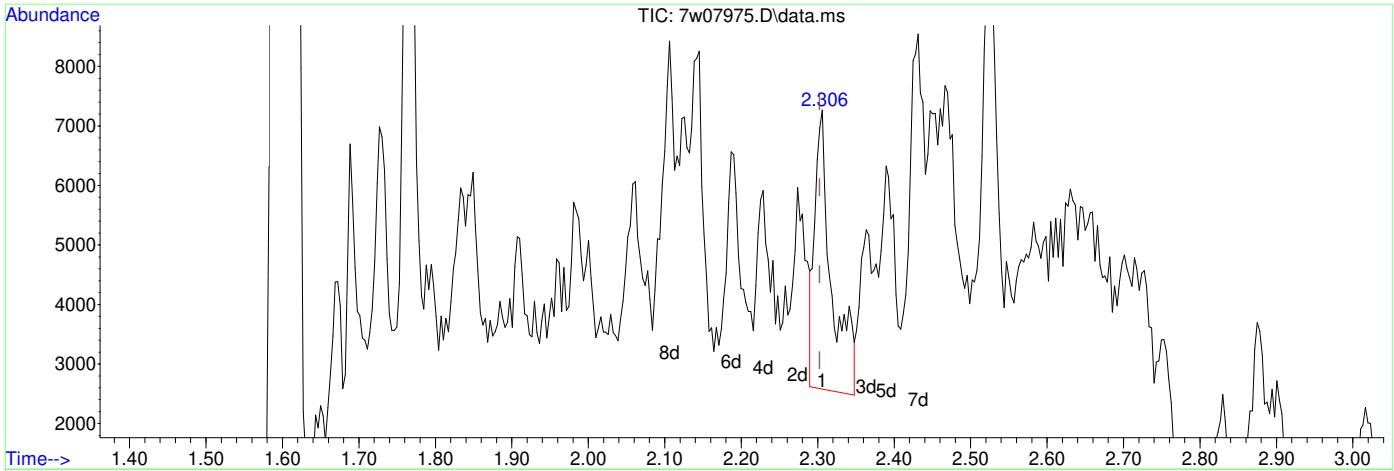
response 4346

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 9.99 |
| 105.10 | 11.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

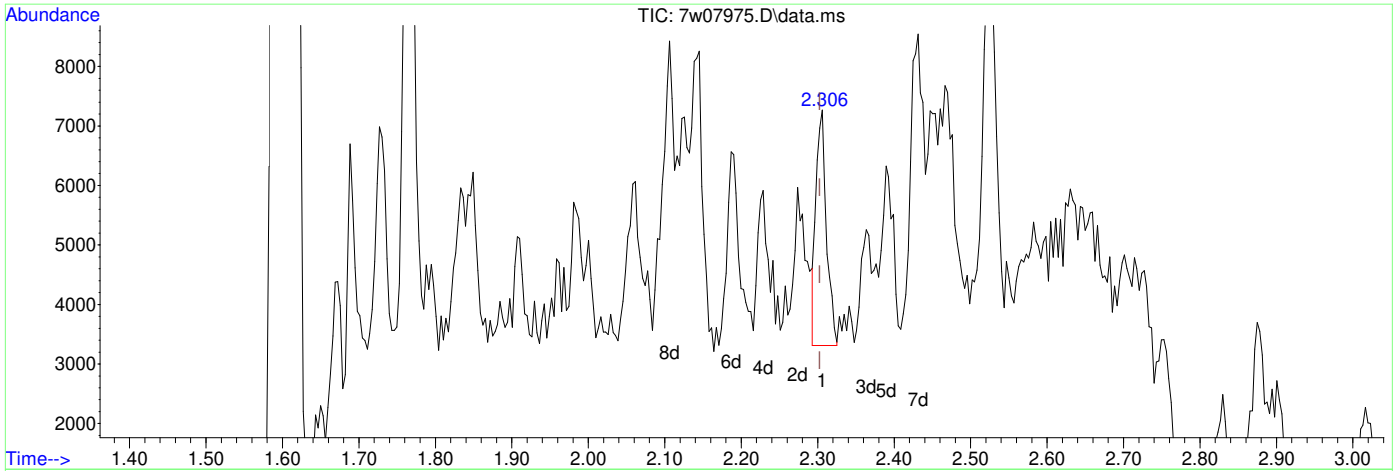
response 7138

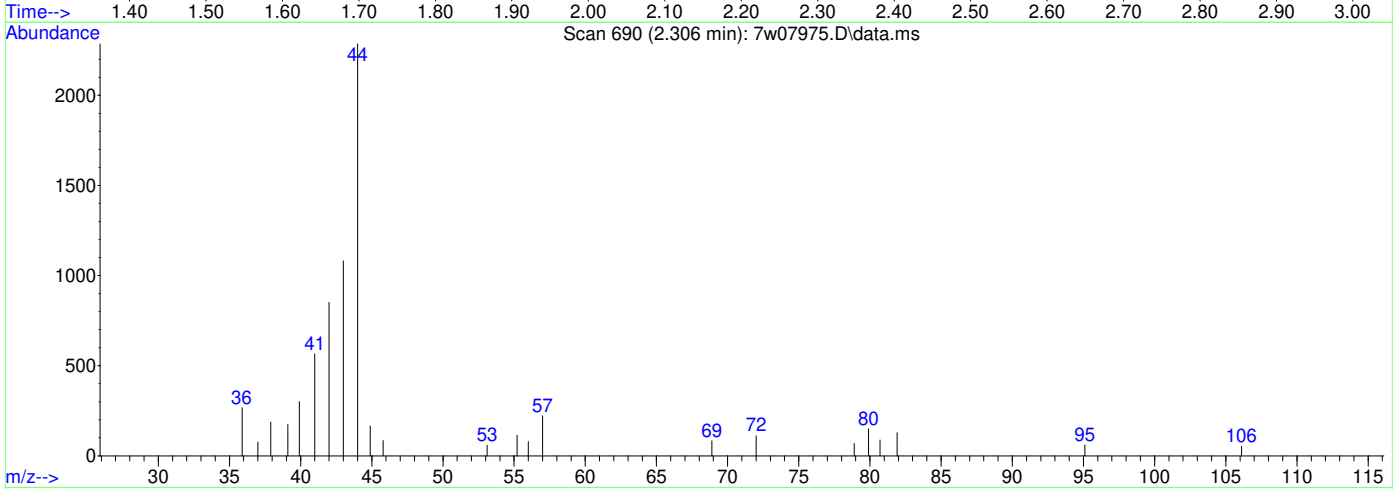
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

response 3733

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

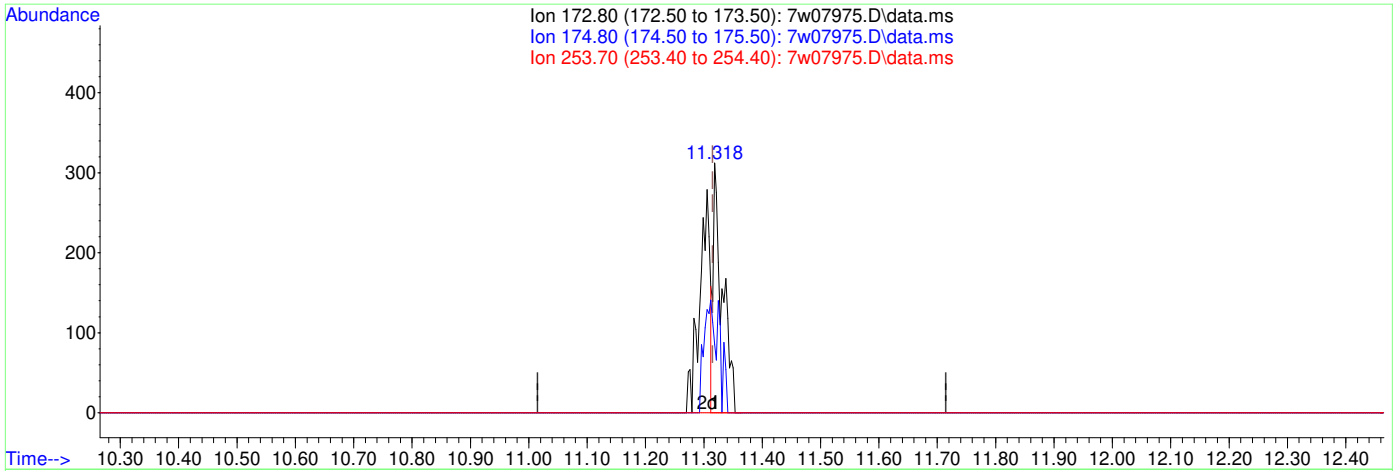


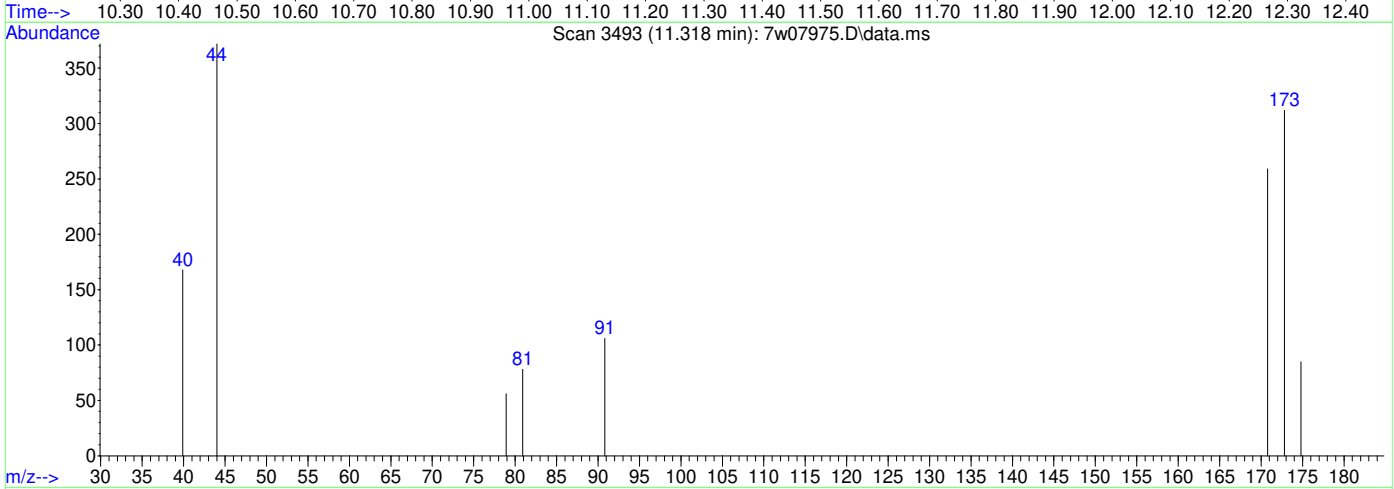
7W07975.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

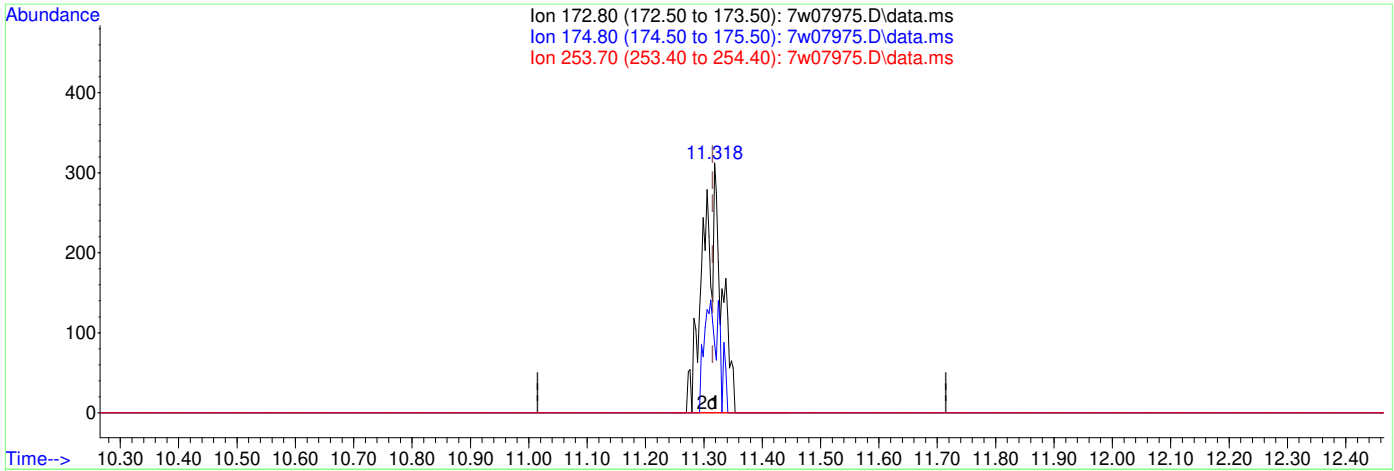
response 343

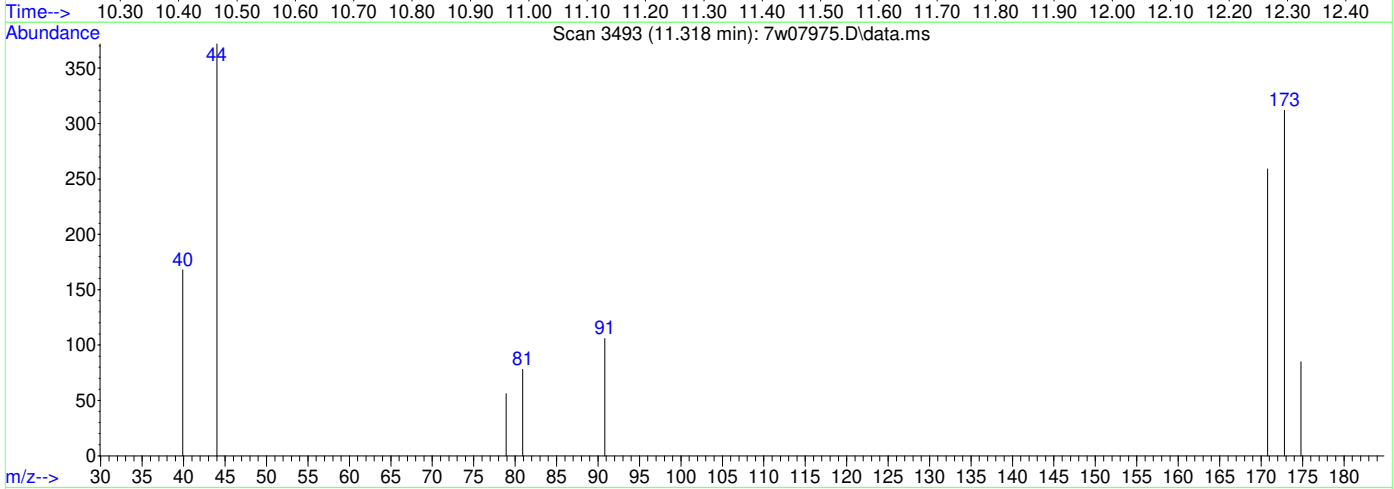
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 73.76# |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

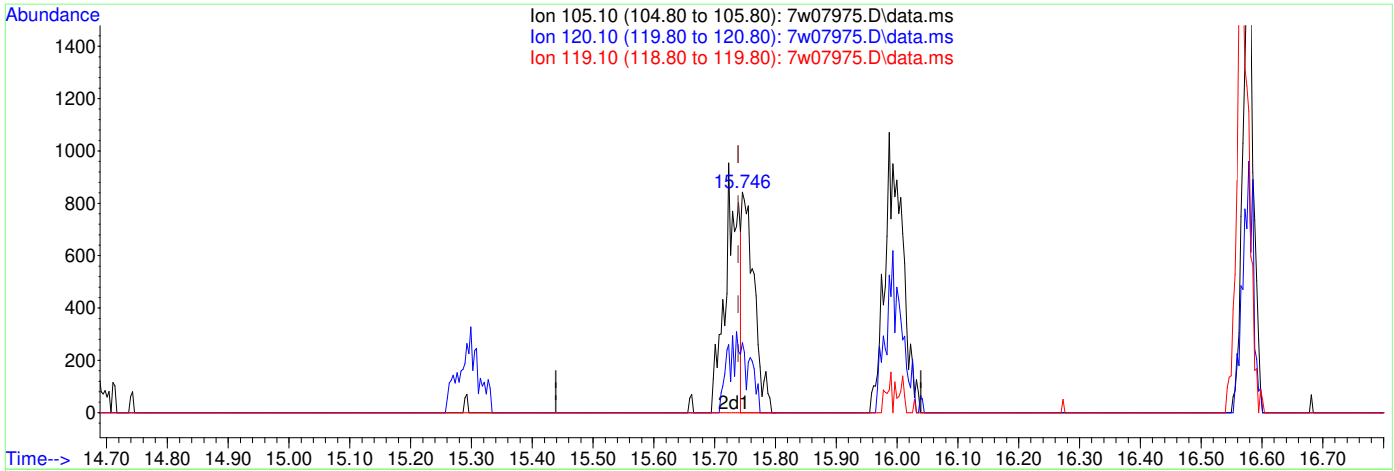
response 690

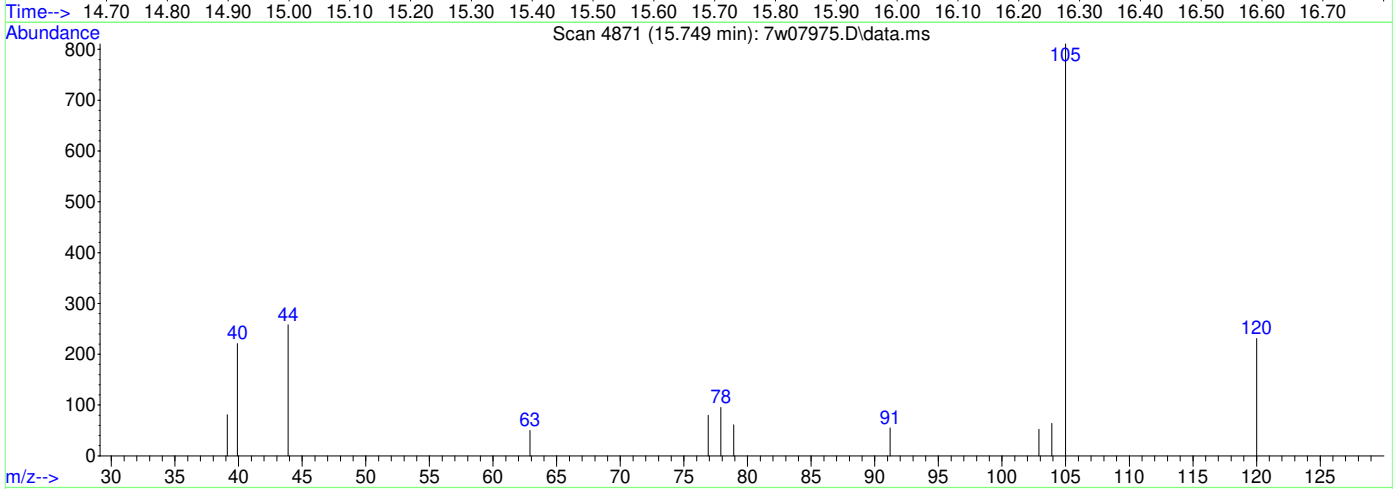
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 36.67 |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

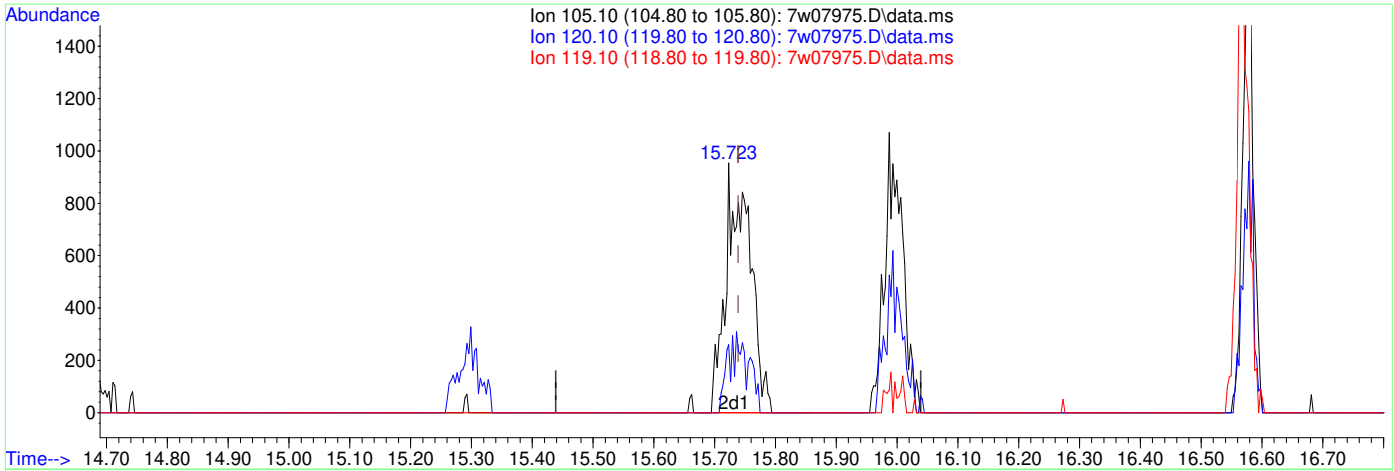
response 1190

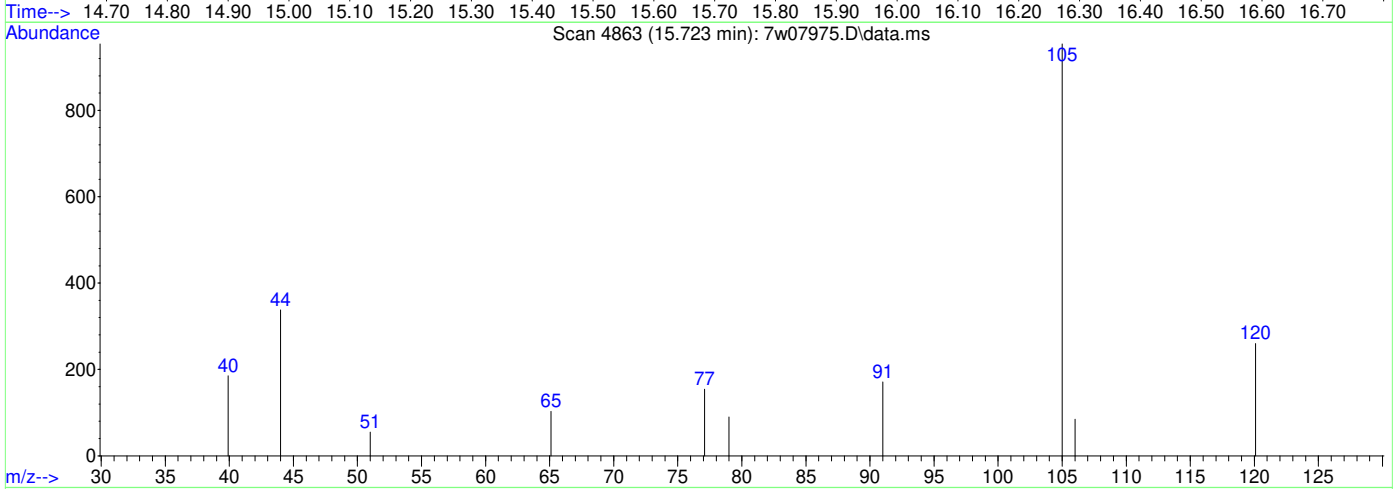
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 59.66# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 26.72 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 426374 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 372534 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 268355 | 9.65 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 1189 | 0.11 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 621 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 284 | 0.10 | PPBV | | 86 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 1478 | 0.11 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 3366 | 0.09 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 1040 | 0.13 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 2851 | 0.09 | PPBV | # | 85 |
| 9) FREON 114 | 1.762 | 85 | 3135 | 0.10 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 472 | 0.09 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 1305 | 0.09 | PPBV | # | 96 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 1195 | 0.09 | PPBV | # | 79 |
| 13) N-BUTANE | 1.849 | 43 | 2166 | 0.09 | PPBV | # | 55 |
| 14) BROMOMETHANE | 1.907 | 94 | 1159 | 0.10 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 645 | 0.08 | PPBV | # | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 2615 | 0.09 | PPBV | | 90 |
| 17) ACETONITRILE | 2.055 | 41 | 1535 | 0.10 | PPBV | # | 70 |
| 18) ACROLEIN | 2.097 | 56 | 855 | 0.11 | PPBV | | 79 |
| 19) FREON 123 | 2.106 | 83 | 2595 | 0.08 | PPBV | | 91 |
| 20) FREON 123A | 2.122 | 117 | 1623 | 0.09 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 3104 | 0.09 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.232 | 45 | 3464 | 0.09 | PPBV | # | 96 |
| 23) ACETONE | 2.142 | 58 | 1367 | 0.13 | PPBV | | 81 |
| 24) PENTANE | 2.299 | 42 | 1690 | 0.09 | PPBV | | 94 |
| 25) IODOMETHANE | 2.367 | 142 | 2692 | 0.09 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 1212 | 0.09 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 3323 | 0.09 | PPBV | # | 2 |
| 28) ETHANOL | 1.997 | 45 | 1564 | 0.18 | PPBV | # | 91 |
| 29) BROMOETHENE | 2.061 | 106 | 1012 | 0.08 | PPBV | # | 91 |
| 30) ACRYLONITRILE | 2.277 | 52 | 1142 | 0.09 | PPBV | | 88 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 1614 | 0.13 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.467 | 76 | 615 | 0.09 | PPBV | # | 34 |
| 33) FREON 113 | 2.524 | 151 | 1786 | 0.09 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 1124 | 0.09 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.454 | 59 | 2814 | 0.09 | PPBV | # | 1 |
| 36) METHYL TERTIARY BUTYL ... | 2.875 | 73 | 2894 | 0.10 | PPBV | # | 83 |
| 37) TETRAHYDROFURAN | 3.589 | 72 | 550 | 0.11 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 2328 | 0.10 | PPBV | | 95 |
| 39) VINYL ACETATE | 2.897 | 86 | 238 | 0.10 | PPBV | # | 28 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 2094 | 0.10 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 631 | 0.12 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 1257 | 0.11 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 665 | 0.11 | PPBV | | 91 |
| 44) ETHYL ACETATE | 3.348 | 61 | 500 | 0.11 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 2546 | 0.09 | PPBV | | 96 |
| 46) CHLOROFORM | 3.338 | 83 | 2546 | 0.11 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.830 | 57 | 2770 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 2268 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 2109 | 0.10 | PPBV | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 1979 | 0.11 | PPBV | | 94 |
| 51) | BENZENE | 4.225 | 78 | 4011 | 0.12 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 1594 | 0.11 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.675 | 71 | 764 | 0.10 | PPBV | | 78 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 1772 | 0.11 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 1565 | 0.11 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 1541 | 0.11 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.029 | 55 | 3169 | 0.10 | PPBV | | 98 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 2410 | 0.10 | PPBV | | 89 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.212 | 57 | 7392 | 0.10 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 5.245 | 88 | 791 | 0.10 | PPBV | # | 31 |
| 62) | HEPTANE | 5.534 | 43 | 2624 | 0.10 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 1358 | 0.10 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.209 | 58 | 1670 | 0.11 | PPBV | | 85 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 1749 | 0.09 | PPBV | | 95 |
| 66) | TOLUENE | 7.257 | 91 | 4699 | 0.11 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 2200 | 0.10 | PPBV | | 94 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 1161 | 0.07 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 1330 | 0.11 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.891 | 58 | 2802 | 0.12 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.990 | 69 | 2017 | 0.09 | PPBV | # | 29 |
| 72) | TETRACHLOROETHENE | 8.987 | 164 | 1787 | 0.11 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.791 | 129 | 2184 | 0.11 | PPBV | | 96 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 2144 | 0.10 | PPBV | # | 93 |
| 75) | OCTANE | 9.145 | 43 | 4023 | 0.11 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 1614 | 0.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 3946 | 0.12 | PPBV | | 98 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 6395 | 0.11 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.502 | 91 | 9776m | 0.24 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 5001 | 0.12 | PPBV | | 96 |
| 82) | STYRENE | 12.231 | 104 | 3528 | 0.11 | PPBV | | 97 |
| 83) | NONANE | 13.569 | 43 | 4019 | 0.11 | PPBV | | 98 |
| 84) | BROMOFORM | 11.309 | 173 | 1656 | 0.09 | PPBV | # | 94 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 3311 | 0.11 | PPBV | # | 27 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.730 | 75 | 2751 | 0.12 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.964 | 120 | 1945 | 0.12 | PPBV | | 89 |
| 89) | BROMOBENZENE | 13.813 | 77 | 3458 | 0.11 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.948 | 126 | 1559 | 0.11 | PPBV | | 93 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 1817 | 0.11 | PPBV | # | 78 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 6120 | 0.10 | PPBV | # | 75 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.000 | 105 | 5446 | 0.10 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 2523 | 0.09 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 1313 | 0.10 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 5507 | 0.09 | PPBV | | 97 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 1270 | 0.05 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.636 | 146 | 3586 | 0.10 | PPBV | | 93 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 3820 | 0.10 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.041 | 146 | 3498 | 0.10 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 1720 | 0.10 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 5572 | 0.10 | PPBV | | 97 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 1842 | 0.10 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 1626 | 0.09 | PPBV | | 90 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 1235 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 2528 | 0.10 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 3381 | 0.14 | PPBV | | 97 |
| 108) | NAPHTHALENE | 18.395 | 128 | 9159 | 0.16 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 8184 | 0.10 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

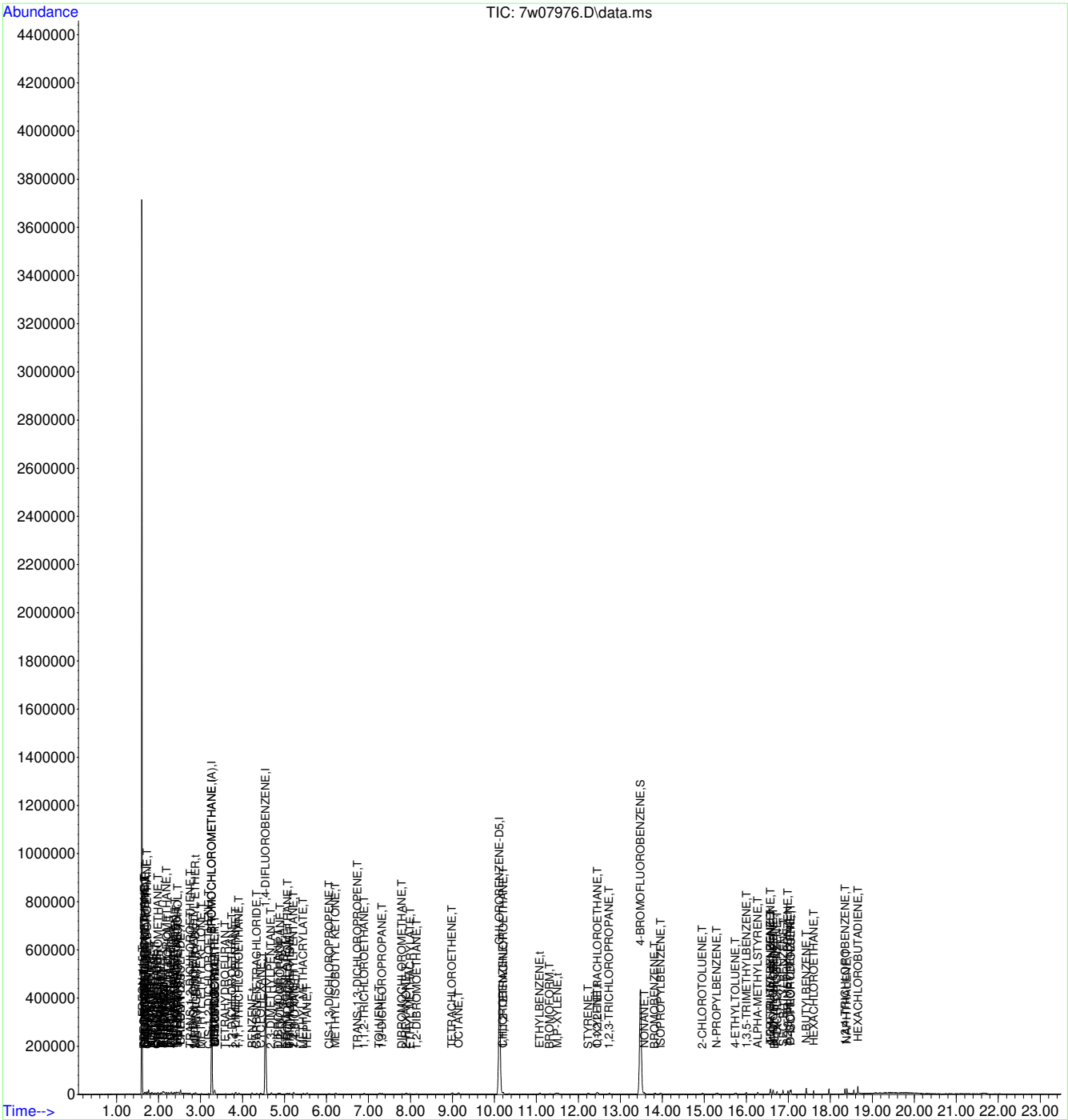
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



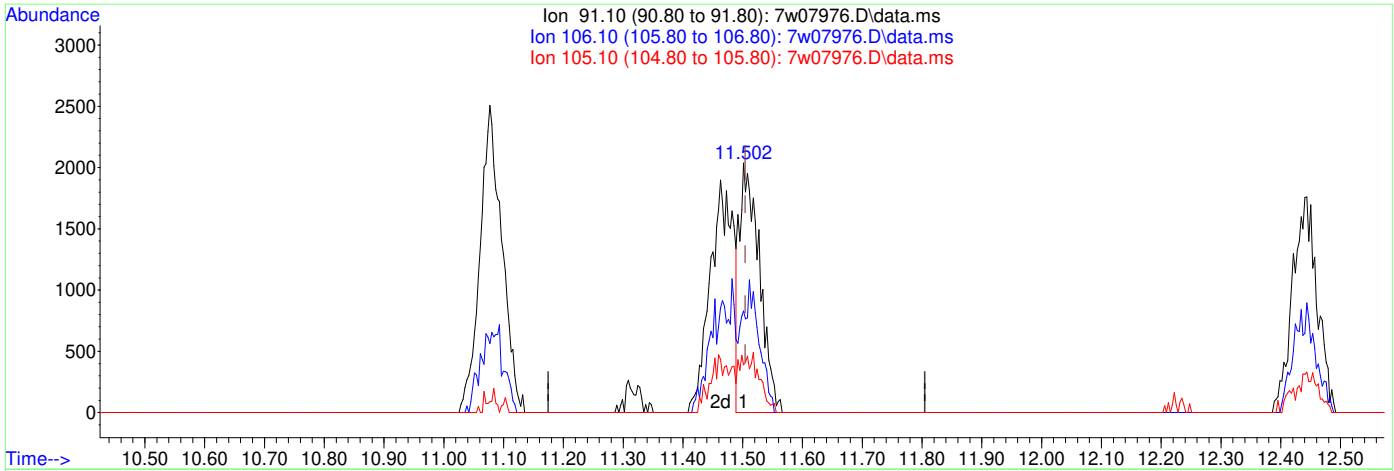
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07976.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:13 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

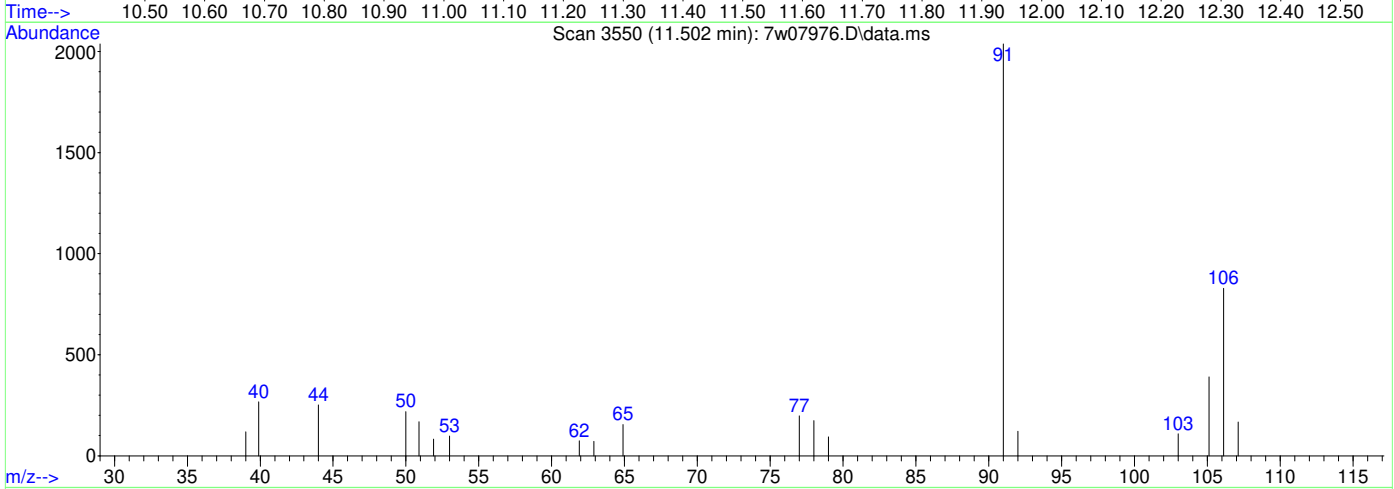
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

response 4741

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.55 |
| 105.10 | 11.30 | 23.24 |
| 0.00 | 0.00 | 0.00 |

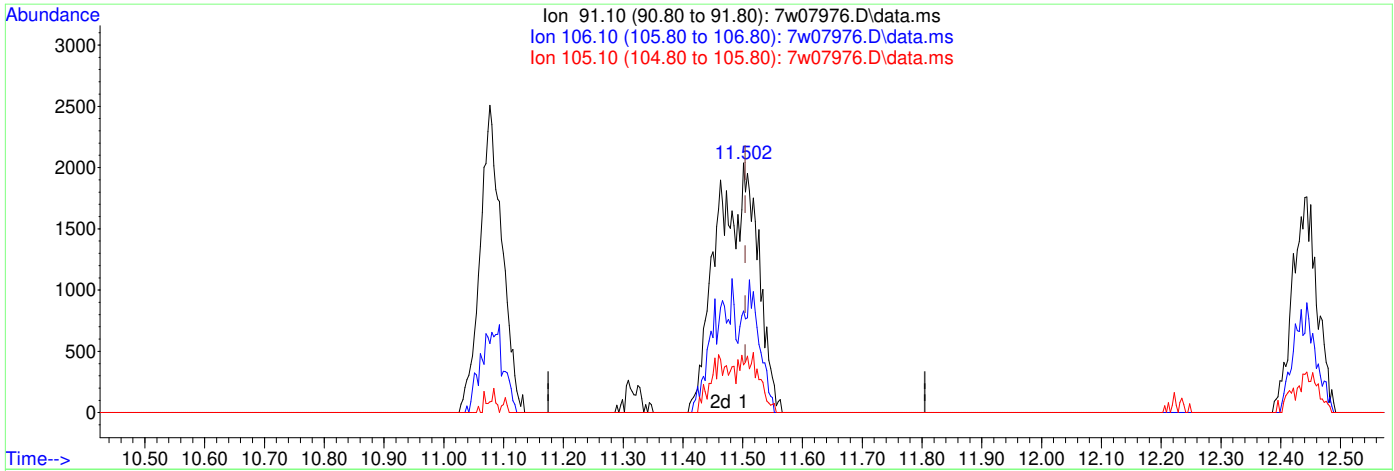


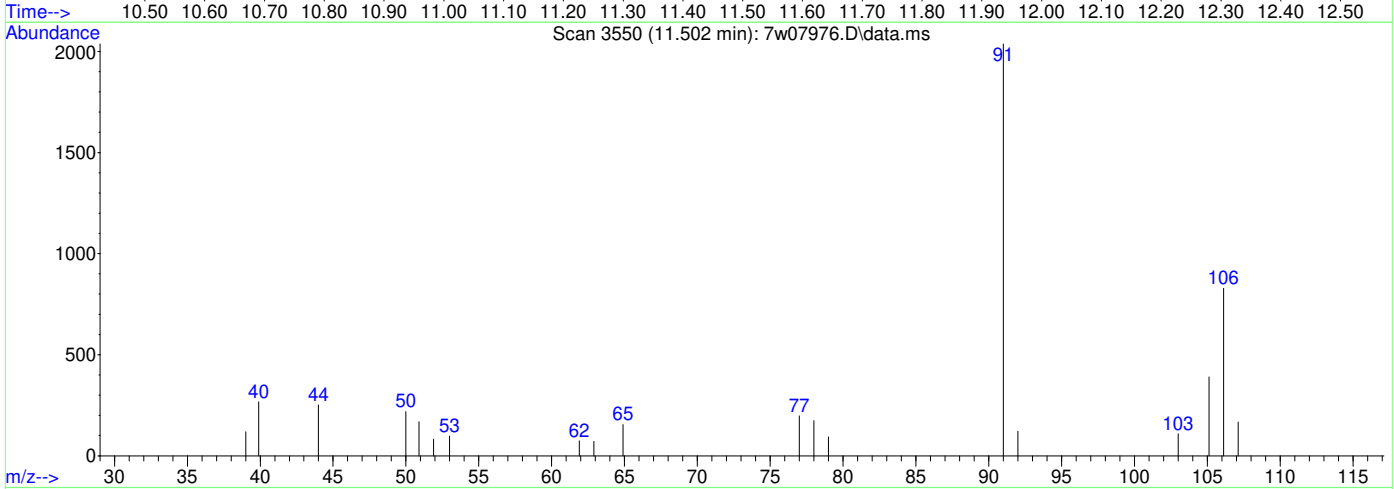
7W07976.D edits: M,P-XYLENE

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.15 |
| 105.10 | 11.30 | 11.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 417480 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 367012 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 264802 | 9.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 2326 | 0.21 | PPBV | | 94 |
| 3) FREON 152A | 1.647 | 65 | 1163 | 0.19 | PPBV | | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 602 | 0.23 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 2630 | 0.21 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 6840 | 0.19 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 1717 | 0.21 | PPBV | | 94 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 5757 | 0.18 | PPBV | | 91 |
| 9) FREON 114 | 1.759 | 85 | 5769 | 0.18 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.727 | 52 | 850 | 0.17 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 2663 | 0.18 | PPBV | | 96 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 2375 | 0.19 | PPBV | | 94 |
| 13) N-BUTANE | 1.846 | 43 | 4070 | 0.17 | PPBV | # | 79 |
| 14) BROMOMETHANE | 1.907 | 94 | 2219 | 0.19 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 1401 | 0.17 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 5439 | 0.19 | PPBV | | 99 |
| 17) ACETONITRILE | 2.055 | 41 | 3149 | 0.21 | PPBV | | 93 |
| 18) ACROLEIN | 2.094 | 56 | 1372 | 0.19 | PPBV | | 89 |
| 19) FREON 123 | 2.103 | 83 | 5470 | 0.17 | PPBV | | 98 |
| 20) FREON 123A | 2.123 | 117 | 3145 | 0.18 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 5923 | 0.18 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 6150 | 0.16 | PPBV | | 100 |
| 23) ACETONE | 2.139 | 58 | 2159 | 0.22 | PPBV | | 100 |
| 24) PENTANE | 2.299 | 42 | 3022 | 0.16 | PPBV | | 96 |
| 25) IODOMETHANE | 2.361 | 142 | 5432 | 0.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 2330 | 0.18 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 6551 | 0.18 | PPBV | # | 31 |
| 28) ETHANOL | 2.000 | 45 | 2022 | 0.24 | PPBV | | 87 |
| 29) BROMOETHENE | 2.058 | 106 | 2034 | 0.17 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.277 | 52 | 2439 | 0.18 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 2696 | 0.22 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 1256 | 0.18 | PPBV | # | 56 |
| 33) FREON 113 | 2.521 | 151 | 3632 | 0.19 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.750 | 96 | 2164 | 0.18 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.451 | 59 | 5152 | 0.16 | PPBV | # | 60 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 5623 | 0.21 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.582 | 72 | 1097 | 0.23 | PPBV | | 95 |
| 38) HEXANE | 3.322 | 57 | 4465 | 0.20 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.907 | 86 | 442 | 0.19 | PPBV | # | 41 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 4233 | 0.21 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 1161 | 0.22 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 2366 | 0.22 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 1113 | 0.18 | PPBV | | 76 |
| 44) ETHYL ACETATE | 3.344 | 61 | 910 | 0.22 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 4855 | 0.19 | PPBV | # | 25 |
| 46) CHLOROFORM | 3.338 | 83 | 4898 | 0.22 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 4922 | 0.20 | PPBV | | 96 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 4147 | 0.20 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 4013 | 0.20 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 3831 | 0.22 | PPBV | | 98 |
| 51) | BENZENE | 4.222 | 78 | 7289 | 0.22 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 3089 | 0.22 | PPBV | | 95 |
| 54) | 2,3-DIMETHYLPENTANE | 4.682 | 71 | 1631 | 0.22 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 3128 | 0.21 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 2838 | 0.20 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 2782 | 0.20 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.020 | 55 | 6089 | 0.20 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.065 | 83 | 4748 | 0.20 | PPBV | | 95 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 14752 | 0.21 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.222 | 88 | 2233 | 0.23 | PPBV | # | 1 |
| 62) | HEPTANE | 5.534 | 43 | 5290 | 0.21 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 2733 | 0.22 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.216 | 58 | 3415 | 0.22 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 3343 | 0.18 | PPBV | | 95 |
| 66) | TOLUENE | 7.264 | 91 | 9195 | 0.22 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.319 | 76 | 4502 | 0.22 | PPBV | | 98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 2208 | 0.14 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.891 | 83 | 2480 | 0.21 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.888 | 58 | 5066 | 0.18 | PPBV | | 93 |
| 71) | ETHYL METHACRYLATE | 7.984 | 69 | 4055 | 0.20 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 3549 | 0.22 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 4142 | 0.21 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.135 | 107 | 4391 | 0.22 | PPBV | # | 98 |
| 75) | OCTANE | 9.135 | 43 | 7595 | 0.22 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 2986 | 0.19 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 7462 | 0.23 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 12480 | 0.20 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.498 | 91 | 18766m | 0.43 | PPBV | | |
| 81) | O-XYLENE | 12.447 | 91 | 9653 | 0.23 | PPBV | | 87 |
| 82) | STYRENE | 12.235 | 104 | 6881 | 0.23 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 7639 | 0.22 | PPBV | | 96 |
| 84) | BROMOFORM | 11.322 | 173 | 3470 | 0.19 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 6952 | 0.23 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 5179 | 0.22 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 3629 | 0.22 | PPBV | | 97 |
| 89) | BROMOBENZENE | 13.820 | 77 | 6828 | 0.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 3019 | 0.20 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 3589 | 0.22 | PPBV | | 95 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 13103 | 0.20 | PPBV | # | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 10844 | 0.20 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 5388 | 0.20 | PPBV | | 97 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 2559 | 0.18 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.575 | 105 | 11120 | 0.19 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.665 | 91 | 2497 | 0.10 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 7185 | 0.20 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 7542 | 0.20 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 7199 | 0.20 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 3121 | 0.19 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 11396 | 0.20 | PPBV | # | 96 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 3732 | 0.21 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 3509 | 0.21 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 2451 | 0.14 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 4955 | 0.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 6745 | 0.33 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 18097 | 0.38 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 17481 | 0.21 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

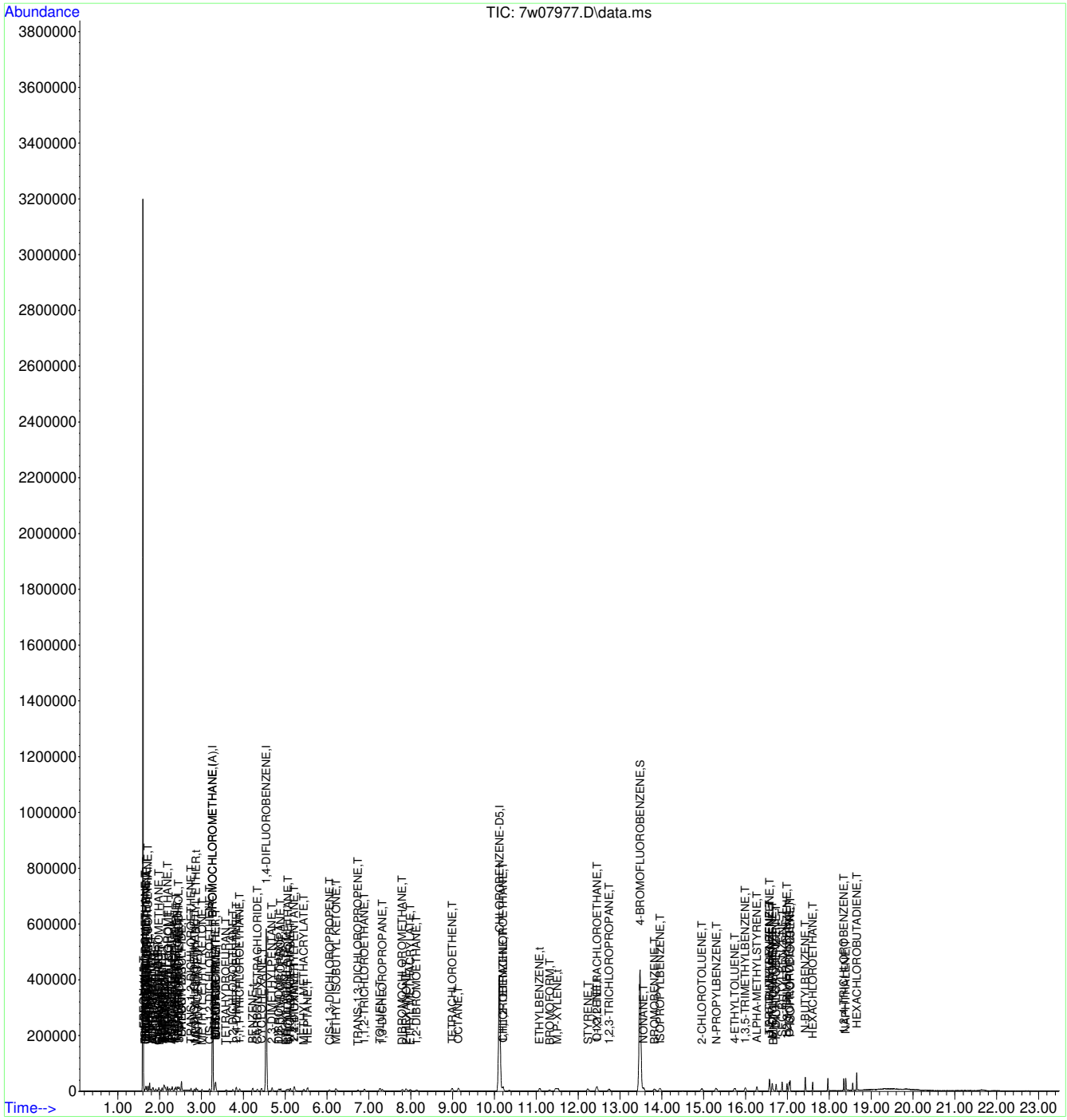
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



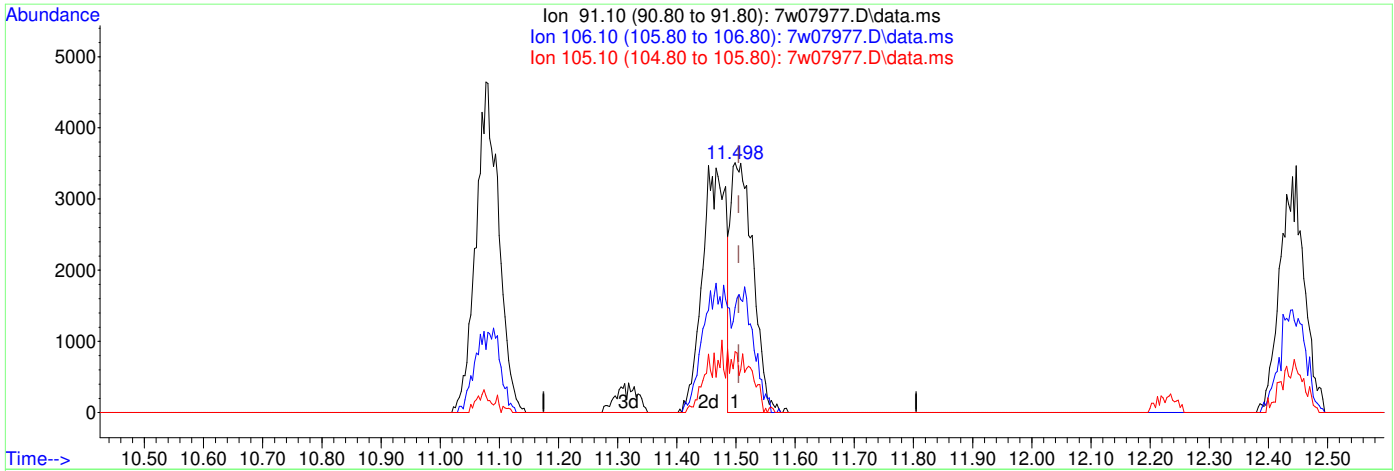
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07977.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:49 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

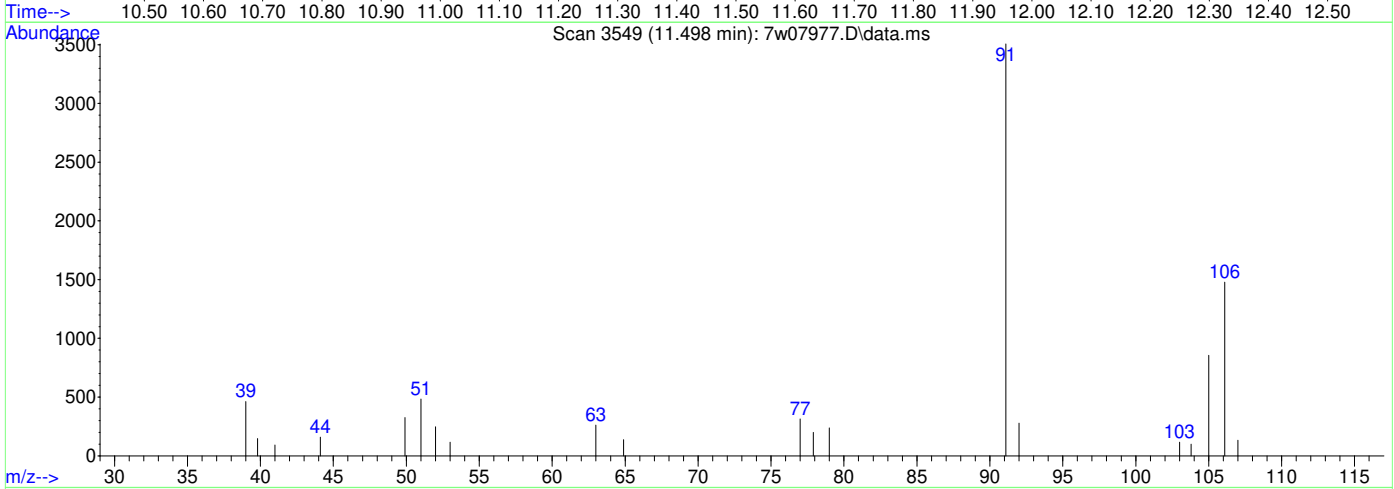
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

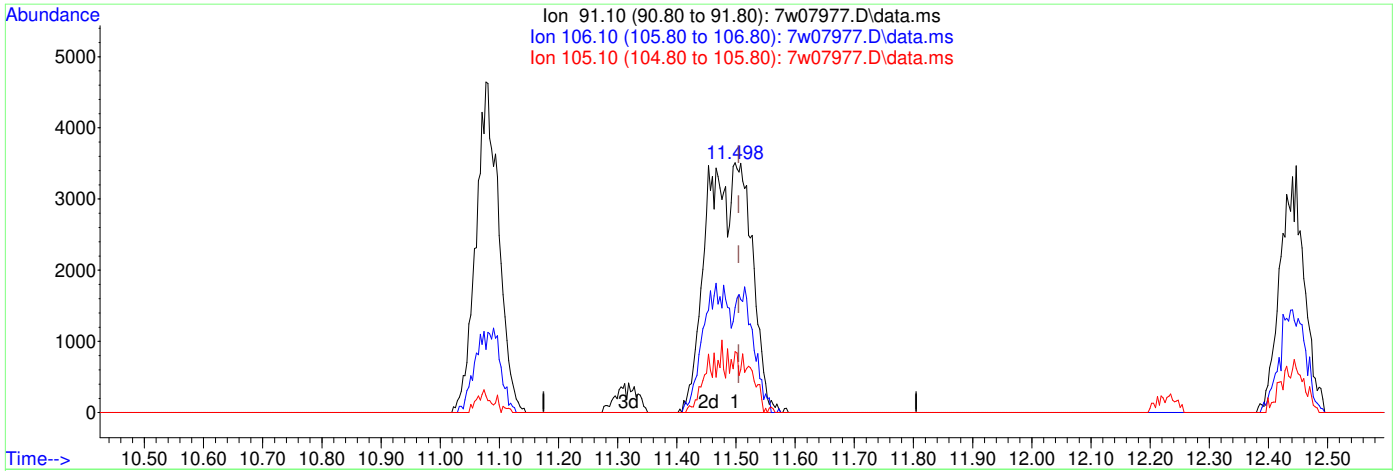
response 9375

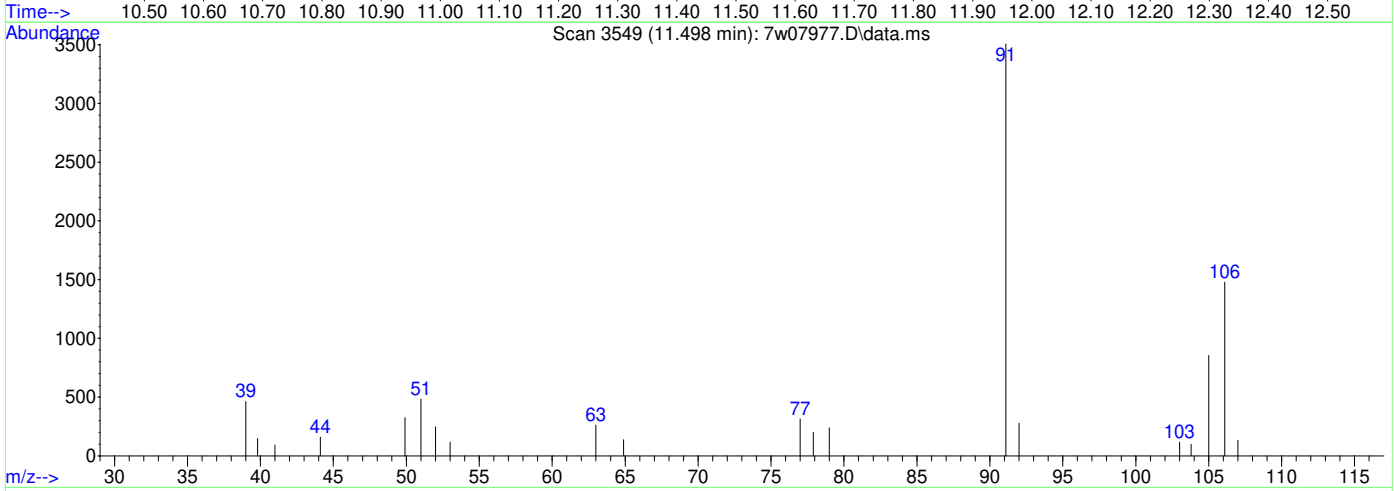
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.98 |
| 105.10 | 11.30 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.97 |
| 105.10 | 11.30 | 6.70 |
| 0.00 | 0.00 | 0.00 |



7W07977.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410941 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 362110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262037 | 9.71 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 5861 | 0.54 | PPBV | | 96 |
| 3) FREON 152A | 1.644 | 65 | 3003 | 0.50 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 1485 | 0.58 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 6805 | 0.55 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 16795 | 0.46 | PPBV | | 99 |
| 7) PROPYLENE | 1.666 | 41 | 3977 | 0.50 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 14549 | 0.46 | PPBV | | 96 |
| 9) FREON 114 | 1.759 | 85 | 15134 | 0.48 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 2035 | 0.41 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 6673 | 0.44 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 5500 | 0.43 | PPBV | | 95 |
| 13) N-BUTANE | 1.846 | 43 | 10568 | 0.42 | PPBV | # | 90 |
| 14) BROMOMETHANE | 1.907 | 94 | 5484 | 0.48 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 3547 | 0.44 | PPBV | | 94 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 13608 | 0.47 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 6551 | 0.44 | PPBV | | 92 |
| 18) ACROLEIN | 2.094 | 56 | 3046 | 0.40 | PPBV | | 95 |
| 19) FREON 123 | 2.103 | 83 | 13299 | 0.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 8058 | 0.46 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.184 | 101 | 15424 | 0.46 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 14044 | 0.37 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 4080 | 0.40 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 7472 | 0.39 | PPBV | | 98 |
| 25) IODOMETHANE | 2.361 | 142 | 13827 | 0.46 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 5730 | 0.43 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 16067 | 0.43 | PPBV | # | 66 |
| 28) ETHANOL | 1.994 | 45 | 4627 | 0.45 | PPBV | # | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 5247 | 0.44 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.274 | 52 | 5669 | 0.41 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 5894 | 0.48 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 2755 | 0.38 | PPBV | # | 37 |
| 33) FREON 113 | 2.521 | 151 | 8992 | 0.46 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 5687 | 0.48 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.444 | 59 | 13081 | 0.39 | PPBV | # | 64 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 13772 | 0.51 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 3.576 | 72 | 2595 | 0.57 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 10976 | 0.50 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.898 | 86 | 1009 | 0.43 | PPBV | # | 29 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 10432 | 0.51 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 2909 | 0.56 | PPBV | | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 6101 | 0.59 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 3049 | 0.51 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.341 | 61 | 2059 | 0.51 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 12344 | 0.48 | PPBV | | 97 |
| 46) CHLOROFORM | 3.341 | 83 | 12161 | 0.57 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 12901 | 0.55 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 10591 | 0.52 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 10121 | 0.53 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 9567 | 0.57 | PPBV | | 98 |
| 51) | BENZENE | 4.219 | 78 | 17995 | 0.55 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 7811 | 0.56 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.685 | 71 | 4068 | 0.57 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 8046 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 7243 | 0.52 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 6875 | 0.51 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.023 | 55 | 14562 | 0.49 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 11794 | 0.51 | PPBV | | 91 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.213 | 57 | 35817 | 0.52 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.209 | 88 | 5137 | 0.55 | PPBV | # | 6 |
| 62) | HEPTANE | 5.534 | 43 | 12581 | 0.52 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 6275 | 0.51 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.196 | 58 | 7744 | 0.52 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 8234 | 0.44 | PPBV | | 96 |
| 66) | TOLUENE | 7.261 | 91 | 22485 | 0.55 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 11161 | 0.55 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 5585 | 0.36 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 6324 | 0.55 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.878 | 58 | 12049 | 0.43 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.981 | 69 | 9663 | 0.47 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 7989 | 0.51 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.795 | 129 | 10588 | 0.54 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.132 | 107 | 10784 | 0.55 | PPBV | # | 100 |
| 75) | OCTANE | 9.139 | 43 | 17732 | 0.53 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.203 | 131 | 7115 | 0.46 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 18568 | 0.58 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 30468 | 0.51 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.508 | 91 | 46842m | 1.05 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 23828 | 0.59 | PPBV | | 94 |
| 82) | STYRENE | 12.225 | 104 | 17160 | 0.60 | PPBV | | 99 |
| 83) | NONANE | 13.560 | 43 | 19013 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 9340 | 0.52 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.450 | 83 | 16754 | 0.57 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 13531 | 0.60 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.945 | 120 | 8698 | 0.54 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 17048 | 0.58 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 8051 | 0.55 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.302 | 120 | 9156 | 0.58 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 32633 | 0.53 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 27233 | 0.51 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 13680 | 0.52 | PPBV | | 96 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 6648 | 0.48 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 28271 | 0.50 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.666 | 91 | 6446 | 0.26 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 18160 | 0.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 18687 | 0.53 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 17767 | 0.53 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 8265 | 0.51 | PPBV | | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 27828 | 0.52 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 8738 | 0.50 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 8723 | 0.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 6412 | 0.37 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 12496 | 0.54 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 16068 | 0.91 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 47796 | 1.26 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 40854 | 0.48 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

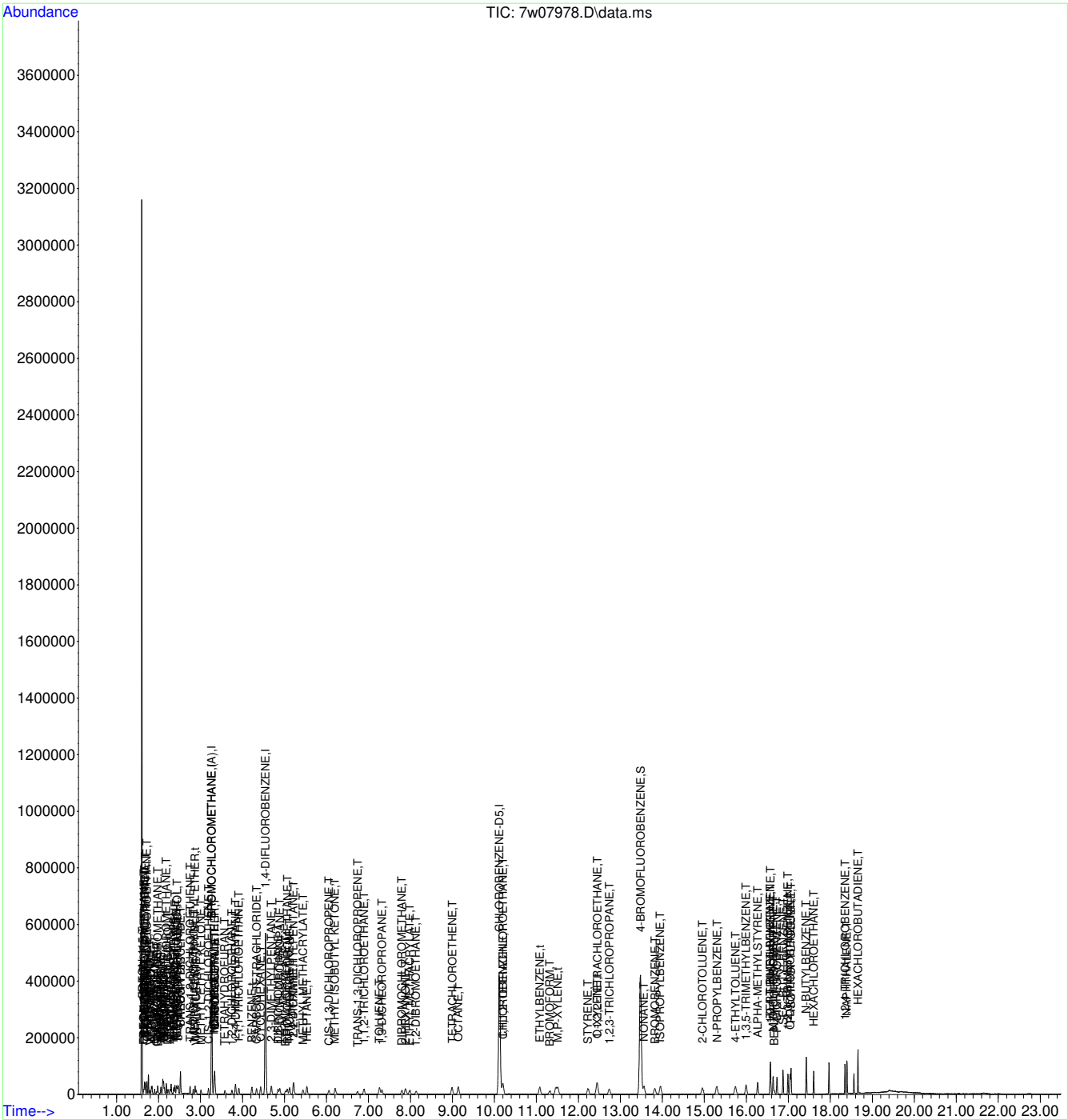
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



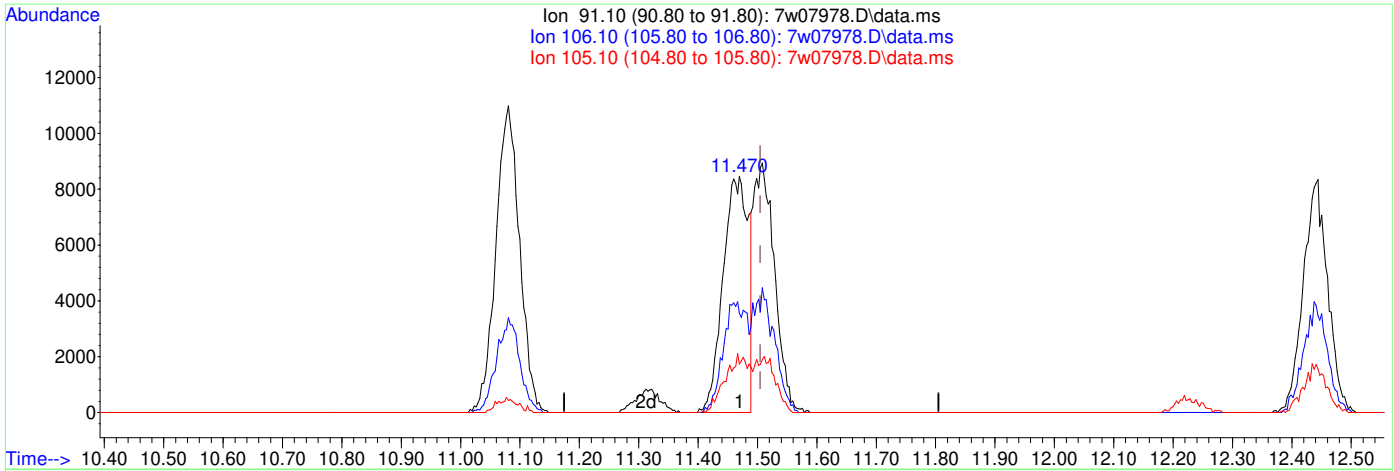
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07978.D | **Analyst approved:** | 08/19/24 10:01 Benjamin Kim |
| **Injection Time:** | 08/18/24 23:22 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

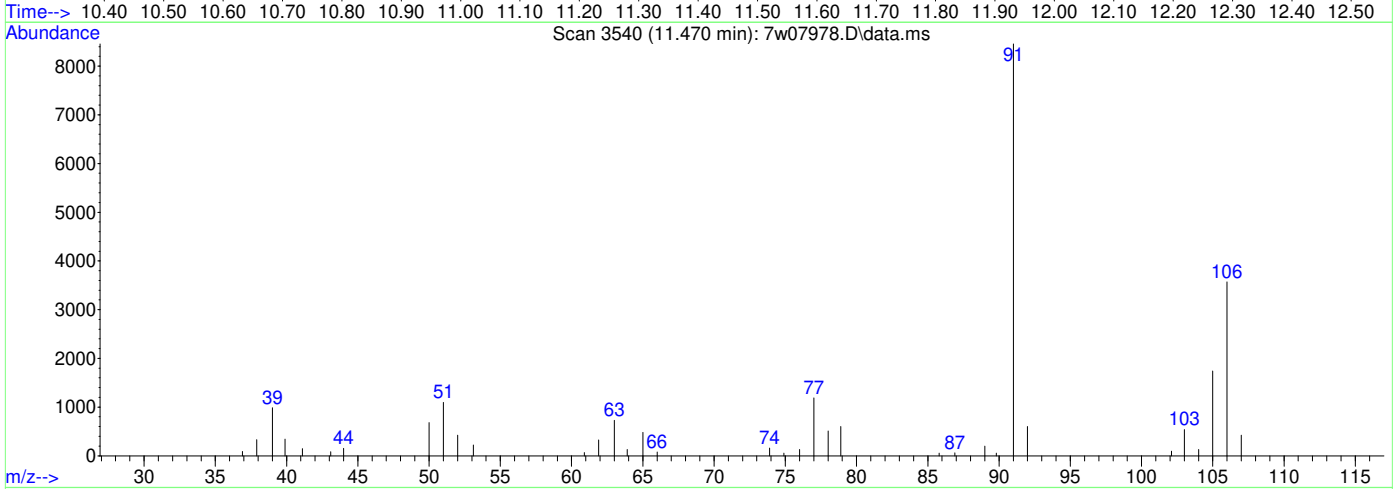
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.51 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

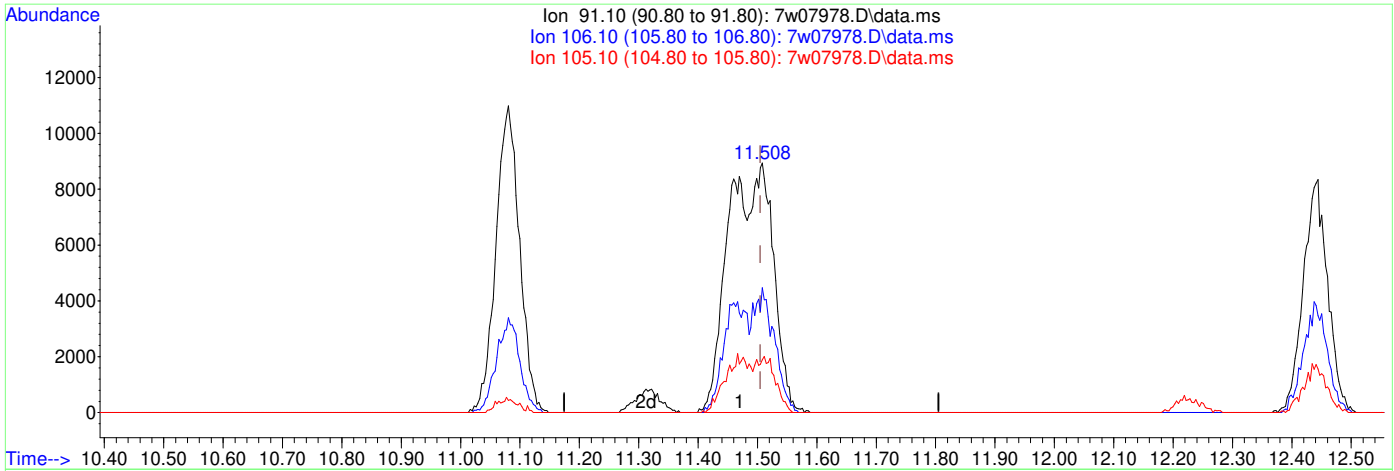
response 25047

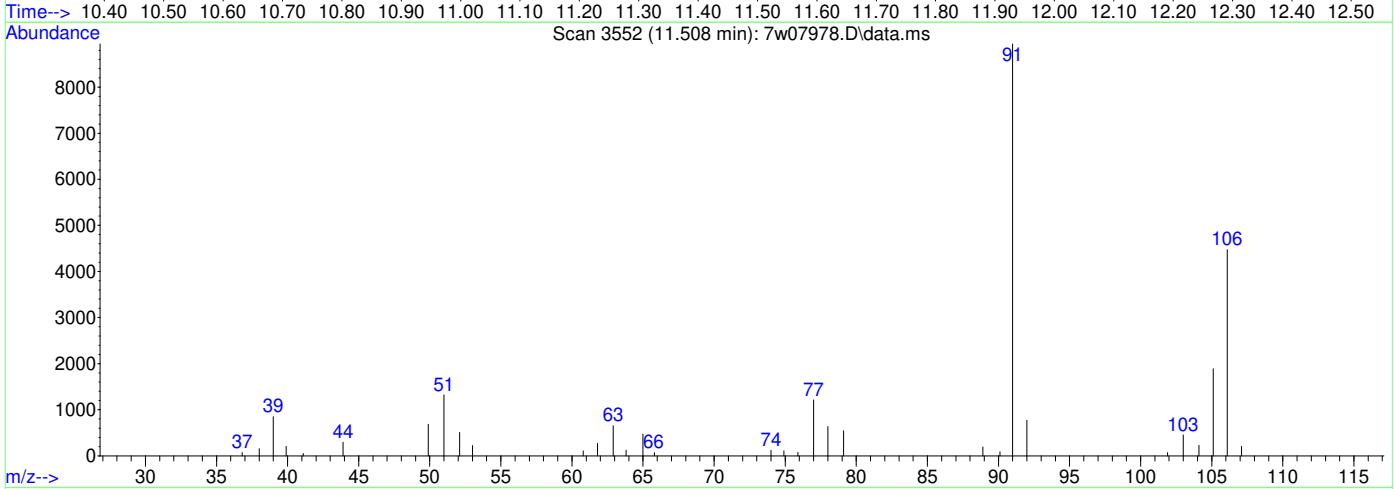
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 46.05 |
| 105.10 | 11.30 | 22.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 24.63 |
| 105.10 | 11.30 | 12.07 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81466 | 10.00 | PPBV | # | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410025 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 361102 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81464 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 265954 | 9.38 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 27379 | 2.27 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 29000 | 4.67 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 13506 | 5.10 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 64600 | 5.12 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 169247 | 4.50 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 38377 | 4.63 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 140419 | 4.23 | PPBV | | 96 |
| 9) FREON 114 | 1.762 | 85 | 149365 | 4.52 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.733 | 52 | 19771 | 3.76 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 65999 | 4.14 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 54080 | 3.99 | PPBV | | 98 |
| 13) N-BUTANE | 1.849 | 43 | 100820 | 3.83 | PPBV | | 98 |
| 14) BROMOMETHANE | 1.910 | 94 | 51811 | 4.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 34723 | 4.05 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 132874 | 4.38 | PPBV | | 98 |
| 17) ACETONITRILE | 2.055 | 41 | 57811 | 3.60 | PPBV | | 100 |
| 18) ACROLEIN | 2.094 | 56 | 31088 | 3.87 | PPBV | | 99 |
| 19) FREON 123 | 2.106 | 83 | 133098 | 3.98 | PPBV | | 99 |
| 20) FREON 123A | 2.122 | 117 | 80453 | 4.36 | PPBV | | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 152287 | 4.27 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 129156 | 3.14 | PPBV | | 99 |
| 23) ACETONE | 2.135 | 58 | 35696 | 3.28 | PPBV | | 100 |
| 24) PENTANE | 2.303 | 42 | 71675 | 3.46 | PPBV | | 97 |
| 25) IODOMETHANE | 2.364 | 142 | 138967 | 4.41 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 56736 | 4.02 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 164494 | 4.33 | PPBV | | 99 |
| 28) ETHANOL | 1.994 | 45 | 36651 | 3.31 | PPBV | | 97 |
| 29) BROMOETHENE | 2.061 | 106 | 51262 | 4.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.277 | 52 | 52972 | 3.56 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 51833 | 3.97 | PPBV | | 86 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 28290 | 3.74 | PPBV | | 84 |
| 33) FREON 113 | 2.524 | 151 | 89281 | 4.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 52868 | 4.38 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.431 | 59 | 116326 | 3.23 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.868 | 73 | 136515 | 4.93 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 27131 | 5.79 | PPBV | | 90 |
| 38) HEXANE | 3.319 | 57 | 108490 | 4.76 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 11696 | 4.81 | PPBV | | 88 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 102265 | 4.89 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.000 | 72 | 28364 | 5.37 | PPBV | | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 57628 | 5.43 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 30846 | 4.96 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.331 | 61 | 21833 | 5.20 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 128213 | 4.81 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.341 | 83 | 118312 | 5.38 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 123753 | 5.06 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 103061 | 4.93 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 104096 | 5.26 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 90936 | 5.26 | PPBV | | 99 |
| 51) | BENZENE | 4.225 | 78 | 171826 | 5.13 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 75178 | 5.37 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 39970 | 5.61 | PPBV | | 86 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 78664 | 5.28 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 70308 | 4.98 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 65118 | 4.79 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 152697 | 5.12 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 124366 | 5.39 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 349151 | 5.05 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.164 | 88 | 45840 | 4.97 | PPBV | # | 83 |
| 62) | HEPTANE | 5.534 | 43 | 121341 | 4.96 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 65132 | 5.30 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.183 | 58 | 74156 | 4.92 | PPBV | | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 91819 | 4.90 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 218857 | 5.36 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 110082 | 5.46 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 66745 | 4.27 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 62252 | 5.39 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.855 | 58 | 112276 | 4.02 | PPBV | | 97 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 105592 | 5.14 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 77784 | 4.95 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 118229 | 5.98 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 111886 | 5.67 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 173169 | 5.12 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 78566 | 5.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 183185 | 5.81 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 299317 | 4.99 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.505 | 91 | 464302 | 10.48 | PPBV | | 99 |
| 81) | O-XYLENE | 12.437 | 91 | 236267 | 5.90 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 177117 | 6.24 | PPBV | | 99 |
| 83) | NONANE | 13.563 | 43 | 187166 | 5.08 | PPBV | | 97 |
| 84) | BROMOFORM | 11.315 | 173 | 101100 | 5.63 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 172204 | 5.90 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 133990 | 6.07 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 89542 | 5.64 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.823 | 77 | 164898 | 5.71 | PPBV | | 96 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 80136 | 5.58 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 93644 | 5.99 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 338018 | 5.58 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 282963 | 5.41 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 143668 | 5.58 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 67157 | 4.95 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 296095 | 5.30 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 79381m | 3.20 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 187655 | 5.45 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 191562 | 5.55 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 181198 | 5.52 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 84088 | 5.29 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 287527 | 5.46 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 92888 | 5.44 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 93747 | 5.91 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 82010 | 4.77 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 132649 | 5.96 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 178283 | 11.97 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 477399 | 16.43 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 356727 | 3.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

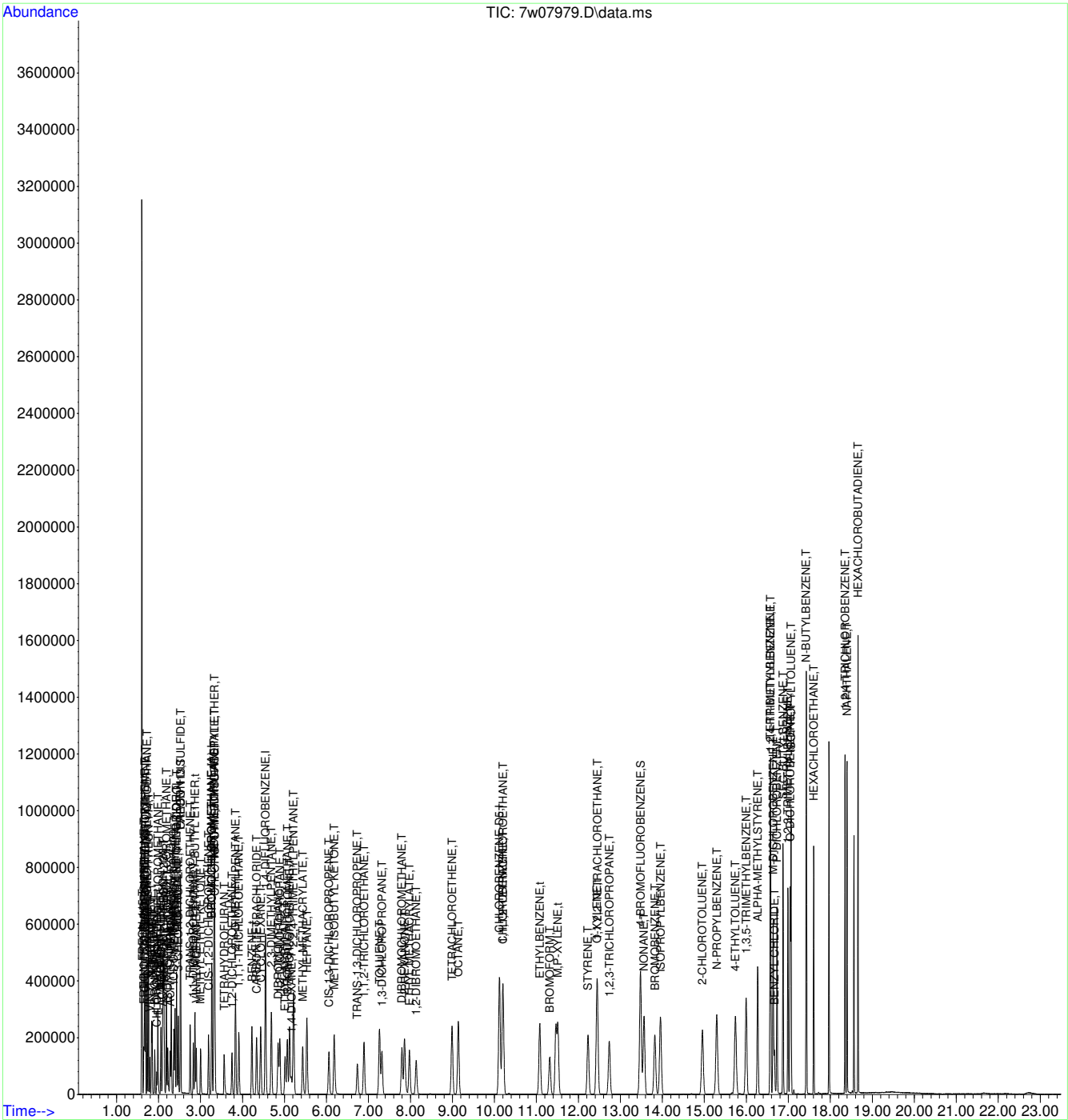
7.7.17

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



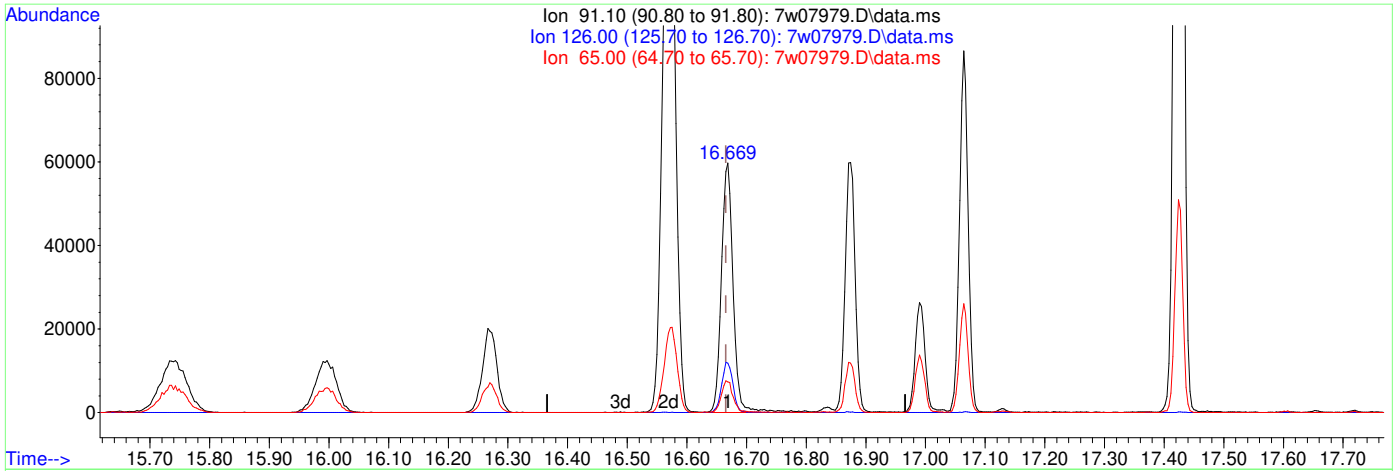
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07979.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 00:01 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

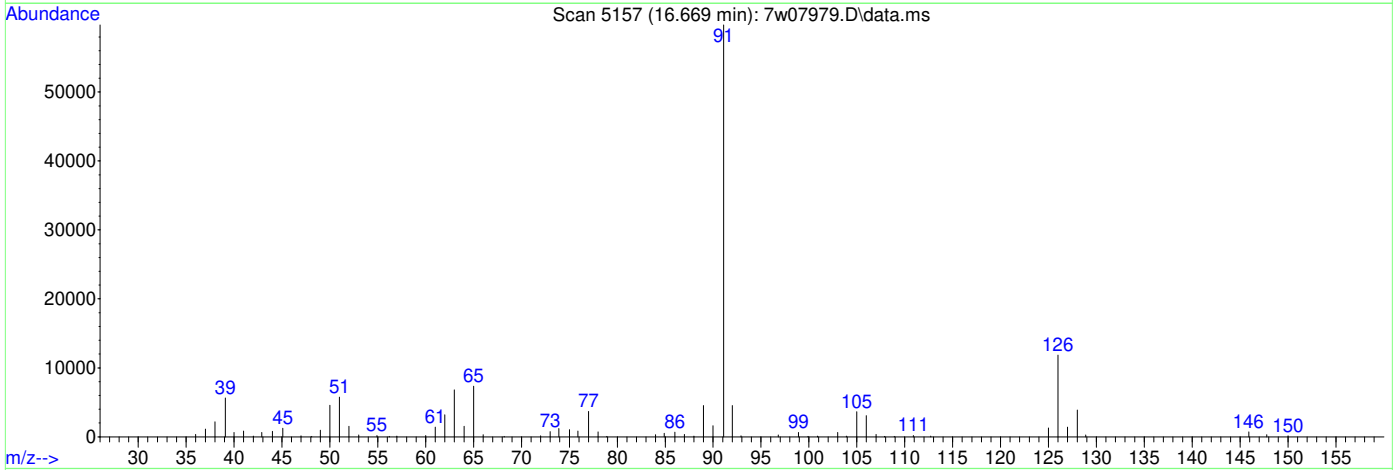
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

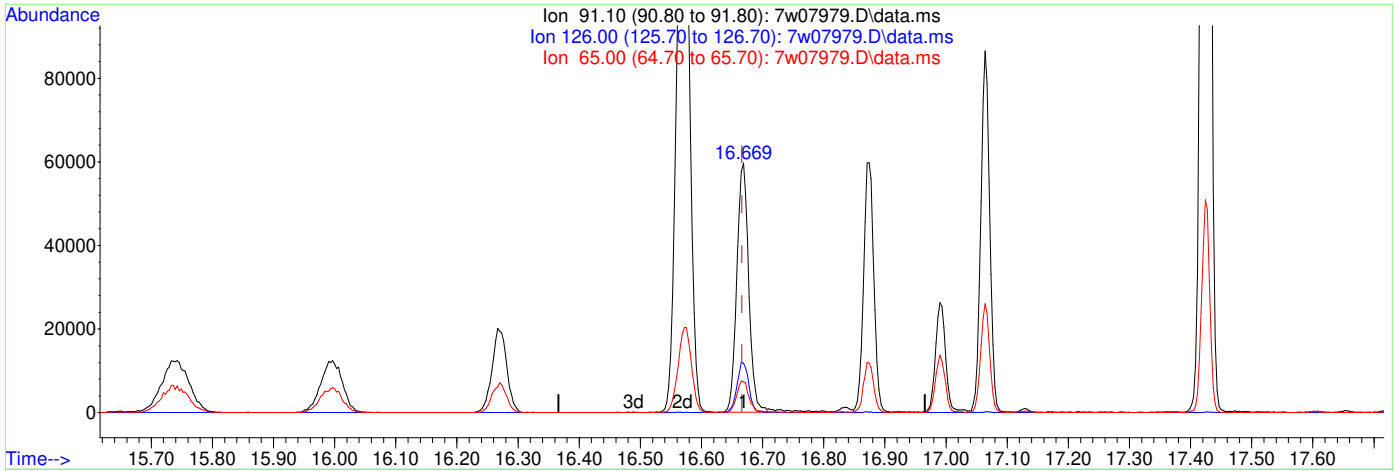
response 81628

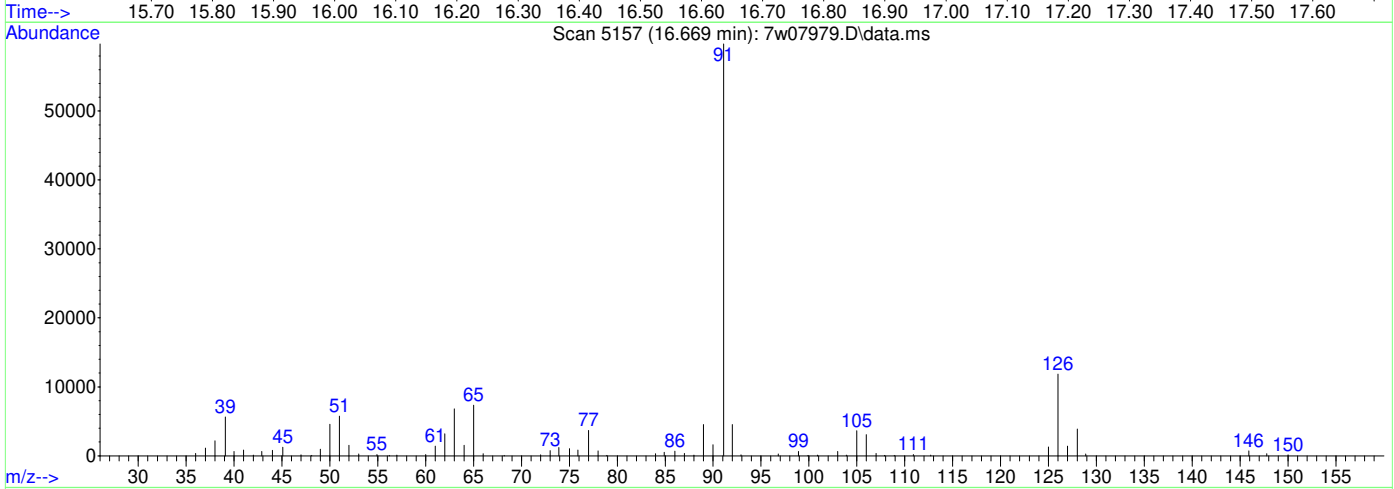
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 19.59 |
| 65.00 | 13.00 | 13.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 20.14 |
| 65.00 | 13.00 | 13.87 |
| 0.00 | 0.00 | 0.00 |



7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 388370 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 349697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 254020 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 116757 | 11.94 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 56656 | 10.57 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 27361 | 10.93 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 128761 | 10.75 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 335263 | 10.56 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 75194 | 10.04 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 279768 | 10.38 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 296122 | 10.76 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38843 | 9.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 127043 | 9.96 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 107031 | 9.85 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 198675 | 10.27 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 101510 | 10.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 66775 | 10.09 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 261438 | 10.74 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 110740 | 8.07 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 61192 | 10.52 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 262246 | 9.89 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 158704 | 10.72 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 302114 | 10.62 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.213 | 45 | 263534 | 8.69 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 66233 | 6.38 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 137367 | 8.83 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 273231 | 10.68 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 111237 | 9.93 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 326093 | 10.12 | PPBV | | 99 |
| 28) ETHANOL | 1.991 | 45 | 67325 | 6.93 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 102347 | 10.02 | PPBV | | 100 |
| 30) ACRYLONITRILE | 2.274 | 52 | 98220 | 8.85 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 101961 | 8.72 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56199 | 10.18 | PPBV | | 97 |
| 33) FREON 113 | 2.525 | 151 | 175840 | 10.42 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 105154 | 9.70 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 256208 | 9.59 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273836 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.557 | 72 | 53518 | 11.75 | PPBV | | 98 |
| 38) HEXANE | 3.319 | 57 | 216582 | 10.11 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.898 | 86 | 24166 | 11.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 200586 | 10.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 55843 | 11.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 113715 | 11.11 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 61463 | 10.90 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.332 | 61 | 43829 | 10.65 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.316 | 55 | 258959 | 10.92 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 237561 | 11.15 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 244103 | 11.02 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.914 | 97 | 211578 | 10.86 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 214927 | 11.14 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.750 | 62 | 178327 | 11.01 | PPBV | | 100 |
| 51) BENZENE | 4.225 | 78 | 336400 | 10.79 | PPBV | | 100 |
| 53) CYCLOHEXANE | 4.431 | 84 | 147216 | 10.89 | PPBV | | 98 |
| 54) 2,3-DIMETHYLPENTANE | 4.688 | 71 | 78137 | 11.46 | PPBV | | 99 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 154777 | 10.77 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 4.888 | 63 | 141313 | 10.87 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 127868 | 10.56 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 5.010 | 55 | 310645 | 10.93 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 5.068 | 83 | 251956 | 11.60 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 676160 | 10.55 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 83819 | 11.15 | PPBV | # | 96 |
| 62) HEPTANE | 5.534 | 43 | 238681 | 10.47 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 5.431 | 69 | 129938 | 10.97 | PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 138927 | 9.69 | PPBV | | 99 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 192427 | 11.23 | PPBV | | 99 |
| 66) TOLUENE | 7.264 | 91 | 436862 | 11.04 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.322 | 76 | 219919 | 11.36 | PPBV | | 99 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 146931 | 10.87 | PPBV | | 99 |
| 69) 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 123244 | 11.28 | PPBV | | 100 |
| 70) 2-HEXANONE | 7.852 | 58 | 202098 | 9.26 | PPBV | | 100 |
| 71) ETHYL METHACRYLATE | 7.974 | 69 | 213857 | 11.04 | PPBV | | 99 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 152491 | 10.19 | PPBV | | 99 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 244347 | 12.50 | PPBV | | 99 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 227562 | 11.69 | PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 342794 | 10.17 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 167229 | 11.49 | PPBV | | 98 |
| 78) CHLOROBENZENE | 10.199 | 112 | 365525 | 11.34 | PPBV | | 99 |
| 79) ETHYLBENZENE | 11.084 | 91 | 596122 | 10.36 | PPBV | | 100 |
| 80) M,P-XYLENE | 11.511 | 91 | 932252 | 26.23 | PPBV | | 98 |
| 81) O-XYLENE | 12.441 | 91 | 476187 | 11.13 | PPBV | | 95 |
| 82) STYRENE | 12.228 | 104 | 355912 | 11.49 | PPBV | | 99 |
| 83) NONANE | 13.566 | 43 | 372829 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 11.318 | 173 | 218043 | 12.08 | PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 345869 | 11.55 | PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 269044 | 11.72 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 177926 | 10.94 | PPBV | | 99 |
| 89) BROMOBENZENE | 13.823 | 77 | 331670 | 11.30 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.955 | 126 | 160785 | 10.94 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 187111 | 11.29 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 683113 | 11.85 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 568889 | 10.83 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 16.273 | 118 | 292834 | 10.97 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 135050 | 10.31 | PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 603037 | 10.60 | PPBV | | 100 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 206043m | 8.98 | PPBV | | |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 381391 | 10.72 | PPBV | | 100 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 385546 | 10.57 | PPBV | | 100 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 365233 | 10.52 | PPBV | | 100 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 172736 | 10.87 | PPBV | | 98 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 581741 | 10.62 | PPBV | | 100 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 190250 | 10.87 | PPBV | | 100 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 192133 | 11.39 | PPBV | | 99 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 188986 | 11.90 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 270689 | 11.05 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 362323 | 13.11 | PPBV | | 100 |
| 108) NAPHTHALENE | 18.395 | 128 | 919027 | 12.96 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 685461 | 8.17 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

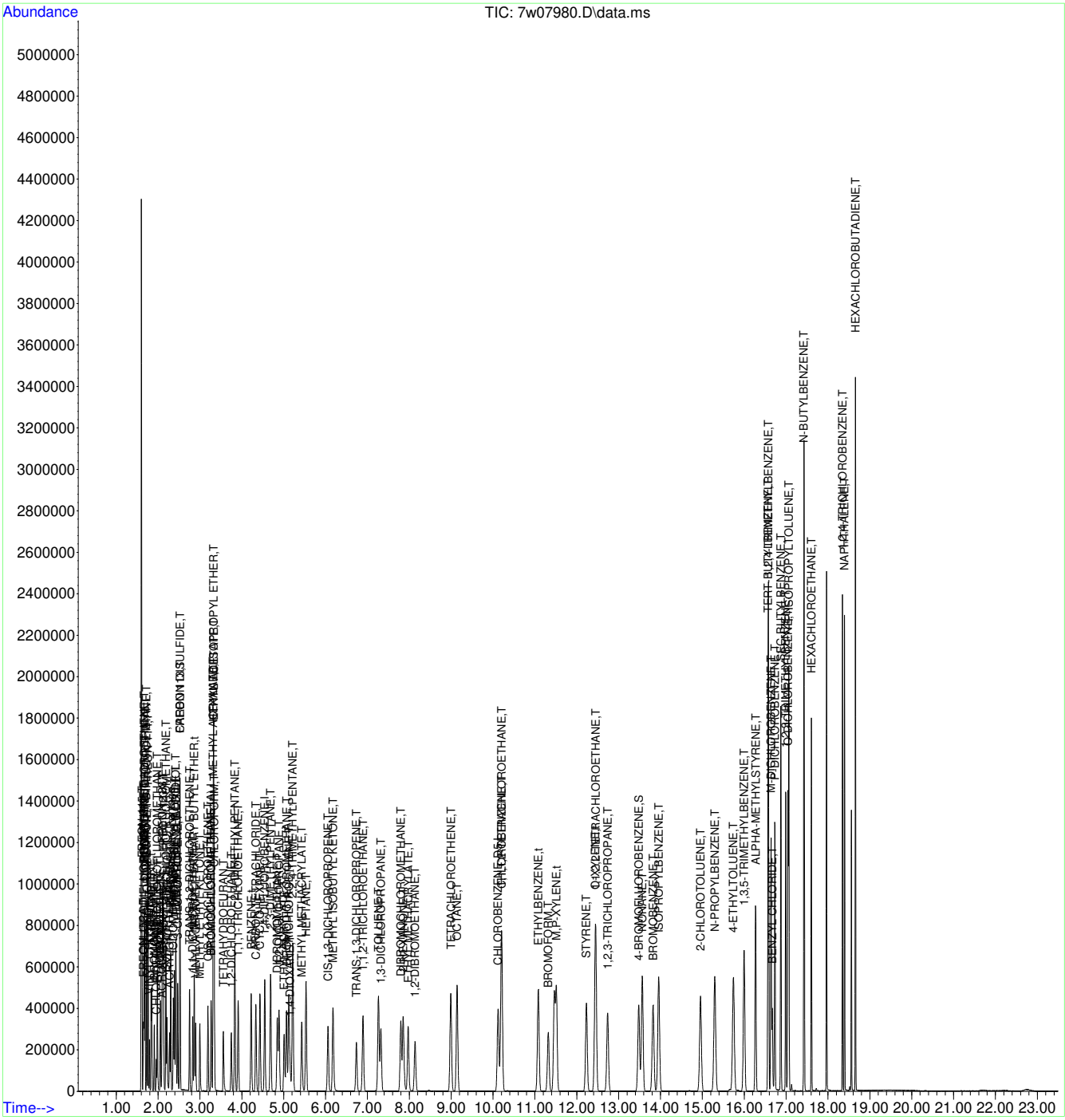
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



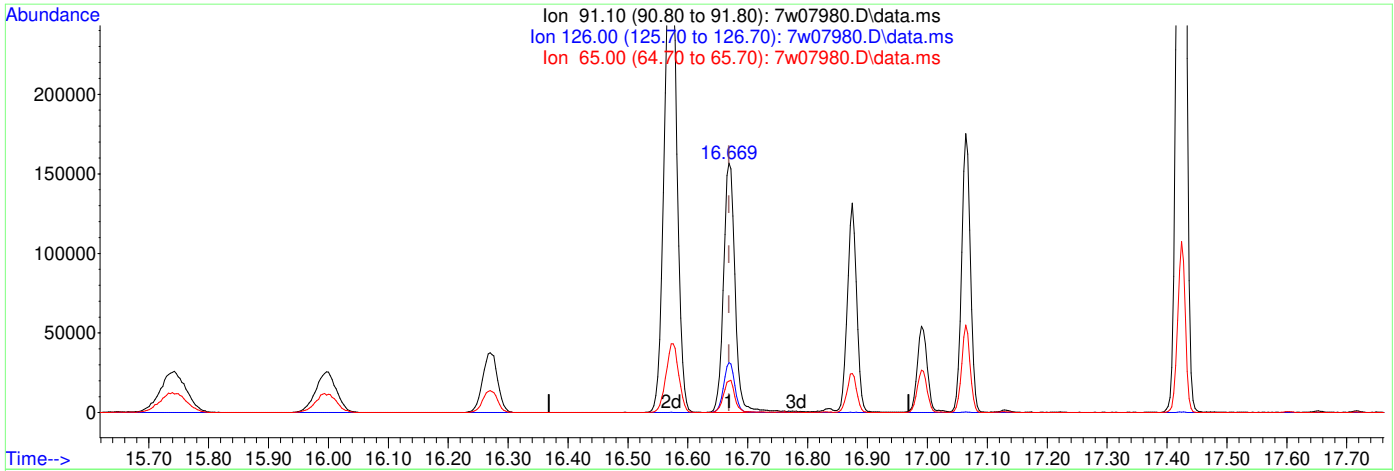
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-ICC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07980.D | **Analyst approved:** | 08/19/24 12:13 Kanya Veerawat |
| **Injection Time:** | 08/19/24 00:35 | **Supervisor approved:** | 08/19/24 12:13 Kanya Veerawat |

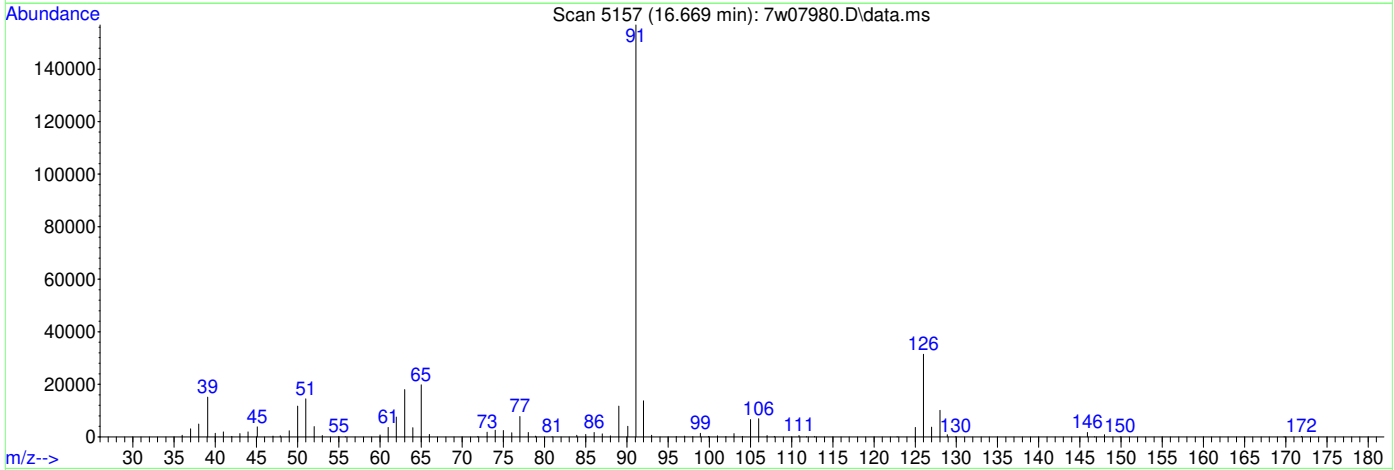
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

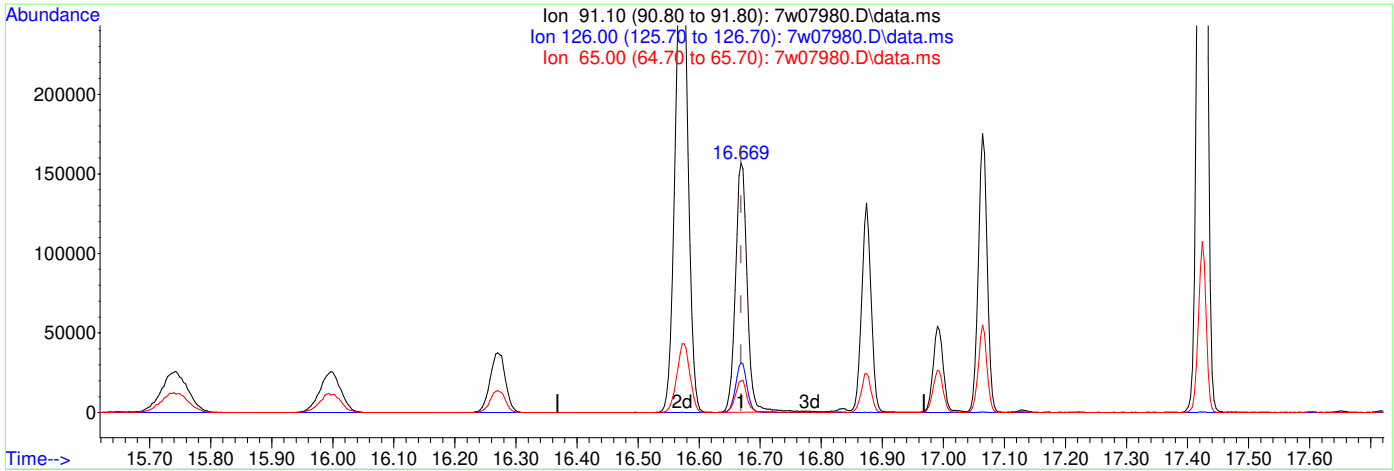
response 209652

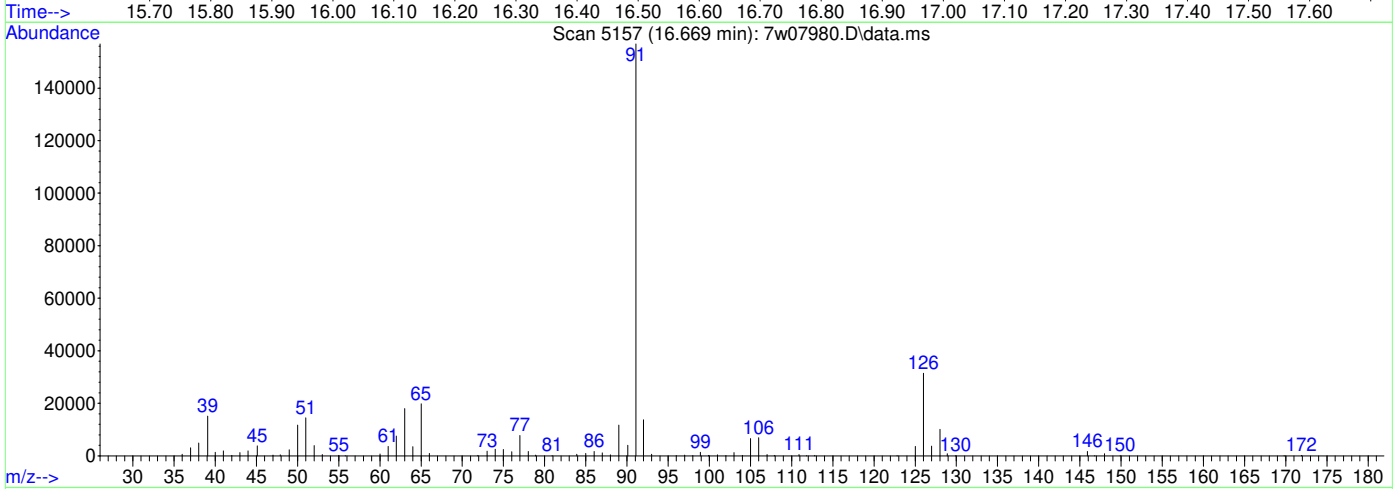
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.52 |
| 65.00 | 13.50 | 13.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.87 |
| 65.00 | 13.50 | 13.30 |
| 0.00 | 0.00 | 0.00 |

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 399337 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 358279 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 266903 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 223150 | 21.59 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 113696 | 20.51 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 54585 | 20.96 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 260366 | 20.90 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 680605 | 20.91 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 152928 | 19.87 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 568833 | 20.81 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 605062 | 21.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 78040 | 18.64 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 255415 | 19.85 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 213526 | 19.54 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 396119 | 20.43 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 203898 | 20.45 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 134751 | 20.22 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 524283 | 21.39 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 223496 | 16.36 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 122465 | 21.34 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 531281 | 19.97 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 323136 | 21.67 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 609713 | 21.19 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.209 | 45 | 505798 | 16.79 | PPBV | | 99 |
| 23) ACETONE | 2.129 | 58 | 132986 | 12.82 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 275517 | 17.87 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 554198 | 21.34 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 224620 | 19.91 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 672044 | 20.83 | PPBV | | 98 |
| 28) ETHANOL | 1.987 | 45 | 128753 | 12.10 | PPBV | | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 208300 | 20.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 196181 | 17.77 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 204874 | 17.29 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 113419 | 20.29 | PPBV | | 94 |
| 33) FREON 113 | 2.524 | 151 | 360148 | 21.14 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 212265 | 18.95 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.412 | 59 | 502012 | 18.93 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 565864 | 21.86 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.553 | 72 | 108661 | 22.89 | PPBV | | 99 |
| 38) HEXANE | 3.319 | 57 | 447138 | 20.24 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 53174 | 25.07 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 406429 | 20.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 113742 | 22.35 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 229111 | 21.47 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 128654 | 22.05 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.328 | 61 | 90518 | 21.25 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 541298 | 22.09 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 481874 | 21.68 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 493893 | 21.63 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 446392 | 22.10 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 457450 | 22.82 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 359999 | 21.41 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 686901 | 21.16 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 301083 | 21.52 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 159069 | 22.48 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 315589 | 21.12 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 281821 | 20.99 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 258319 | 20.58 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 648686 | 22.22 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 520746 | 22.92 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 1363236 | 20.68 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.142 | 88 | 159662 | 20.39 | PPBV | # | 93 |
| 62) | HEPTANE | 5.534 | 43 | 490987 | 20.96 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 269942 | 22.03 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 278412 | 18.84 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 416046 | 23.40 | PPBV | | 98 |
| 66) | TOLUENE | 7.267 | 91 | 894765 | 21.73 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 454192 | 22.55 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 339286 | 24.33 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 252481 | 22.25 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 409335 | 18.16 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 456862 | 22.78 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 312906 | 20.27 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 522506 | 25.25 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 469334 | 23.12 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 701989 | 20.21 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.215 | 131 | 358362 | 23.86 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 755223 | 22.52 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.087 | 91 | 1235495 | 20.71 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.514 | 91 | 1915233 | 51.64 | PPBV | | 98 |
| 81) | O-XYLENE | 12.447 | 91 | 990163 | 22.27 | PPBV | | 97 |
| 82) | STYRENE | 12.235 | 104 | 744264 | 23.04 | PPBV | | 100 |
| 83) | NONANE | 13.569 | 43 | 767362 | 21.75 | PPBV | | 100 |
| 84) | BROMOFORM | 11.322 | 173 | 476337 | 25.55 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.460 | 83 | 719296 | 23.01 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 552619 | 23.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.961 | 120 | 370195 | 21.85 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.829 | 77 | 689619 | 22.52 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.961 | 126 | 332076 | 21.66 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 388667 | 22.47 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 1411045 | 23.43 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 1186430 | 21.61 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 616609 | 22.44 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 285876 | 21.66 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.582 | 105 | 1283114 | 22.29 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.672 | 91 | 586437m | 33.00 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 806410 | 22.21 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 813706 | 21.78 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.048 | 146 | 781278 | 21.49 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 363104 | 21.90 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 1240077 | 21.66 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 399174 | 21.83 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 407447 | 22.96 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 446077 | 27.20 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 601439 | 23.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 799662 | 26.27 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 2024654 | 23.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 1370798 | 16.29 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

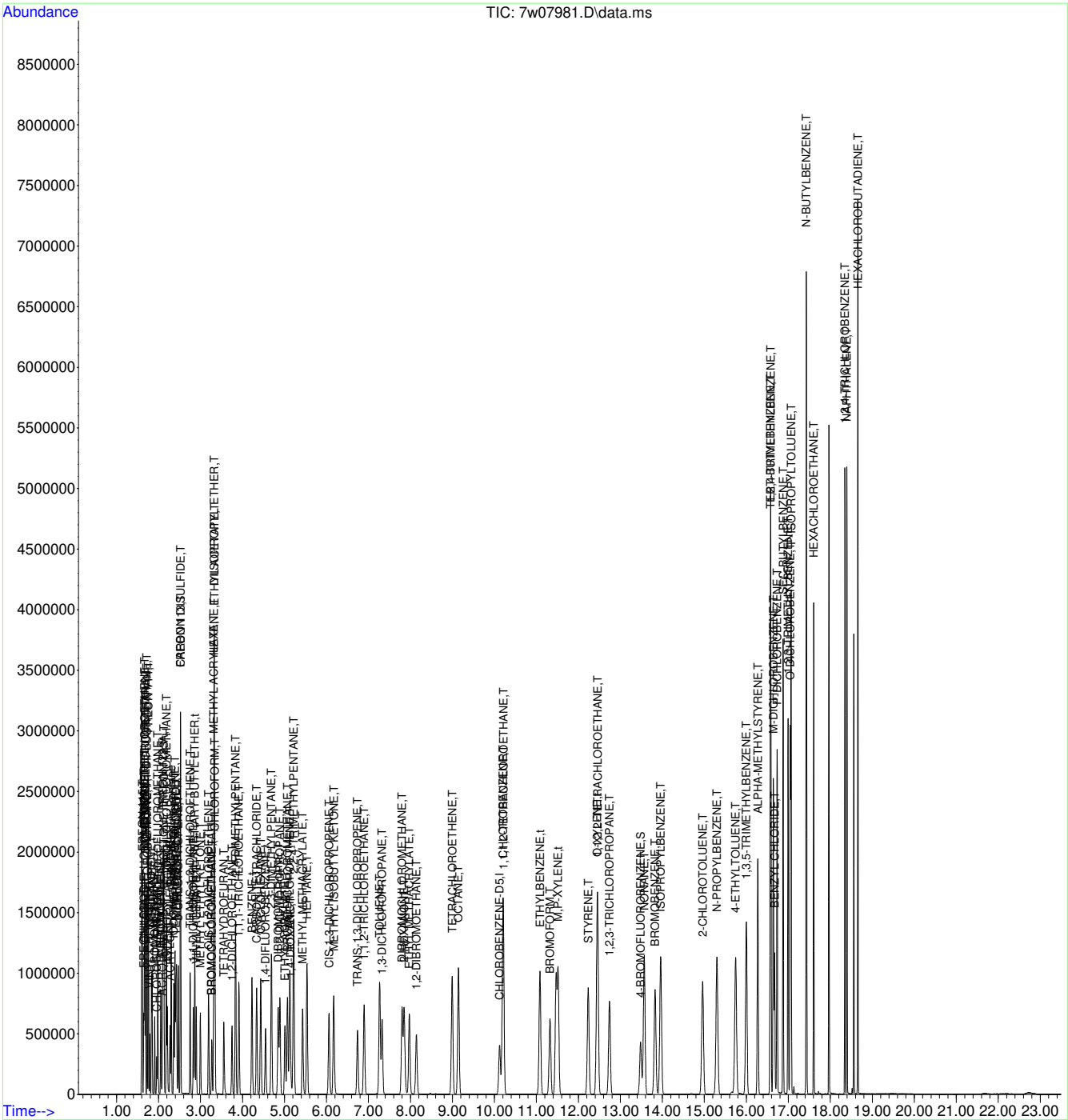
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



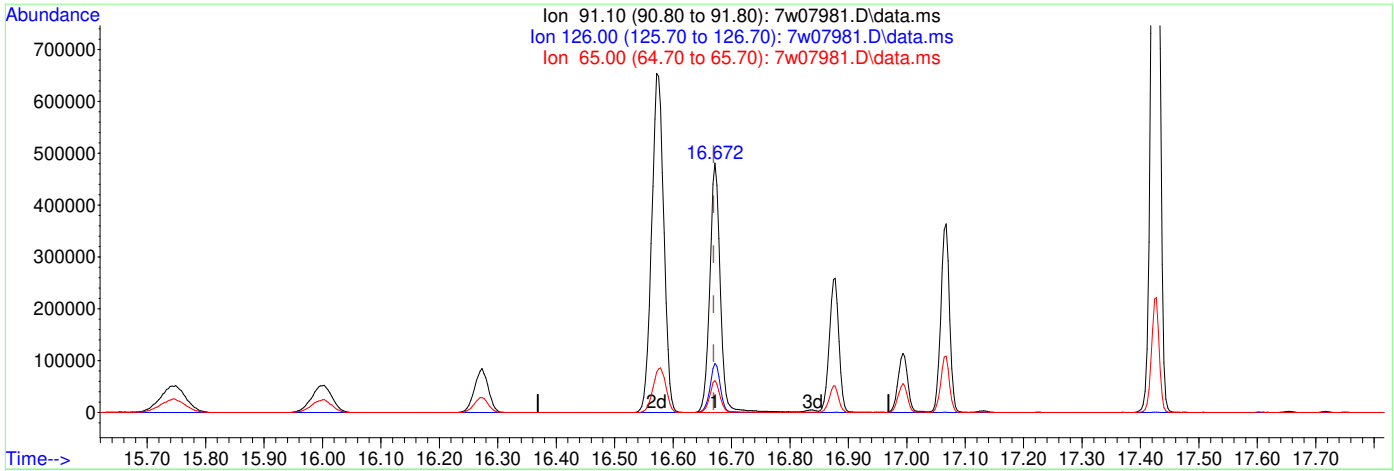
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07981.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 01:10 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

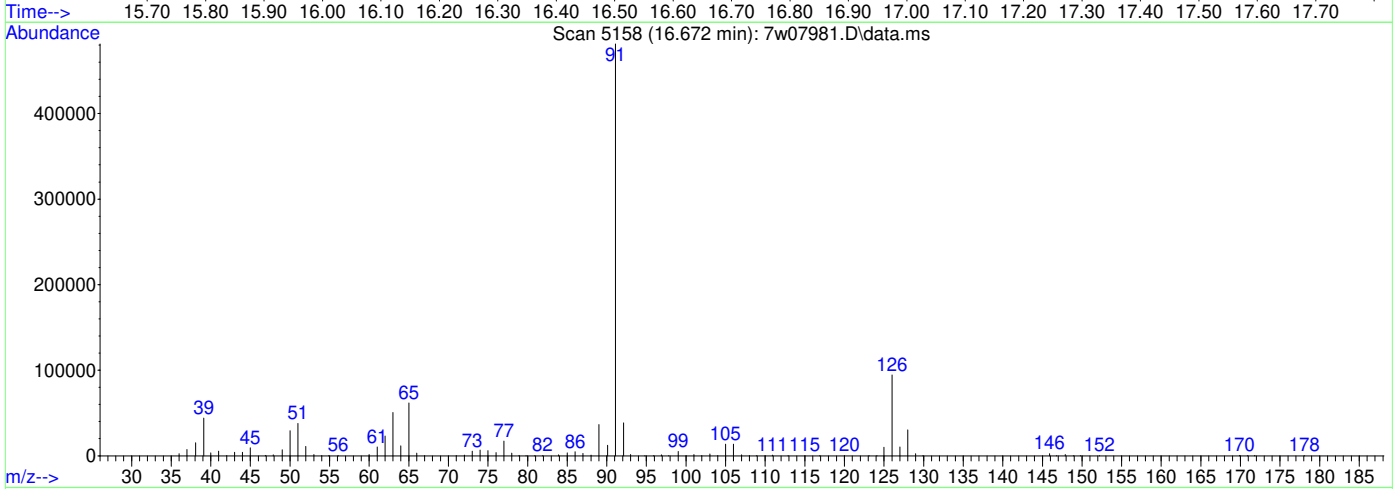
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

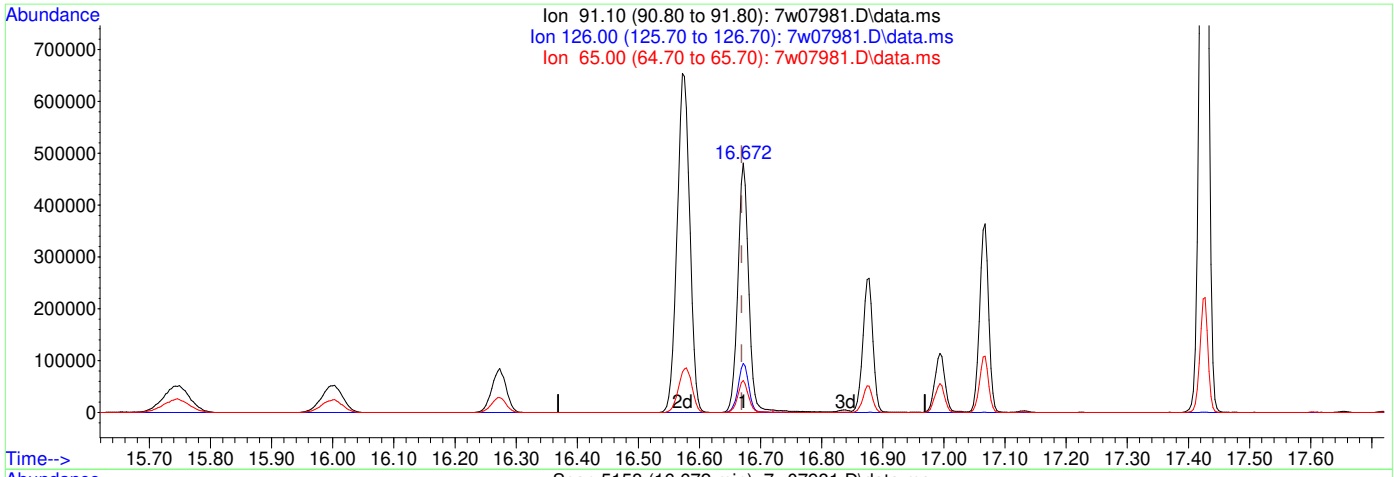
response 598744

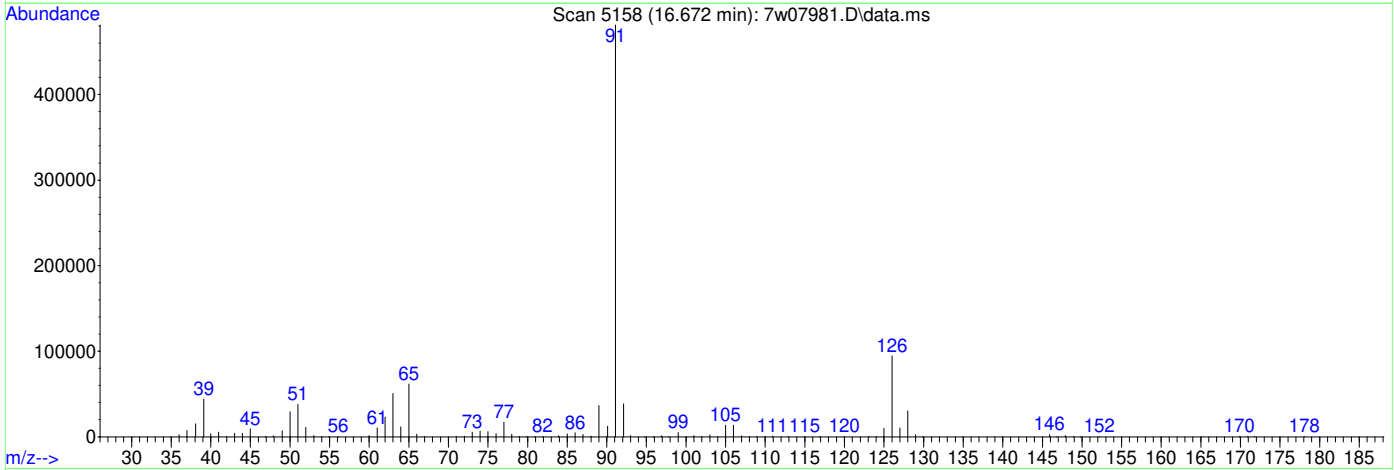
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.41 |
| 65.00 | 13.50 | 12.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.82 |
| 65.00 | 13.50 | 13.18 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 77284 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 380992 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.129 | 117 | 341287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 77286 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 254399 | 10.16 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 479498 | 49.08 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 225277 | 41.32 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 107855 | 41.41 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 531168 | 42.36 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 1365507 | 42.82 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 307501 | 41.15 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1126152 | 42.58 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1216958 | 44.90 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 155210 | 39.41 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 503905 | 41.23 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 423360 | 41.02 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 784812 | 43.23 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 405186 | 41.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 265590 | 41.21 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1054144 | 44.46 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 444566 | 35.18 | PPBV | | 100 |
| 18) ACROLEIN | 2.091 | 56 | 244650 | 46.58 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 1072484 | 42.46 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 648266 | 45.20 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1217843 | 43.41 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 986924 | 35.57 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 267712 | 27.52 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 541283 | 39.96 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 1107350 | 45.77 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 444048 | 42.54 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1380820 | 45.82 | PPBV | | 97 |
| 28) ETHANOL | 1.988 | 45 | 246600 | 22.56 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 411694 | 41.15 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 386593 | 39.48 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 403498 | 36.21 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 229000 | 43.65 | PPBV | | 92 |
| 33) FREON 113 | 2.525 | 151 | 717158 | 44.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 418606 | 39.92 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 988301 | 41.72 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1162668 | 45.46 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 216092 | 45.61 | PPBV | | 99 |
| 38) HEXANE | 3.322 | 57 | 909825 | 43.13 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 112738 | 52.89 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 811814 | 42.39 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 229599 | 45.08 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 461447 | 43.14 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 260000 | 46.49 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.332 | 61 | 186268 | 45.35 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1119785 | 47.57 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.345 | 83 | 964123 | 43.74 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1011033 | 45.64 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 934248 | 46.56 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 968917 | 48.27 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 733596 | 44.30 | PPBV | | 100 |
| 51) | BENZENE | 4.226 | 78 | 1385476 | 42.73 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 603407 | 44.01 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 320742 | 46.54 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 641066 | 43.93 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 574606 | 44.69 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 521107 | 42.96 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1339537 | 48.52 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1065741 | 47.59 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 2752474 | 44.22 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 316234 | 41.72 | PPBV | # | 91 |
| 62) | HEPTANE | 5.537 | 43 | 994256 | 45.09 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 556132 | 46.84 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 558762 | 39.99 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 875361 | 50.16 | PPBV | | 98 |
| 66) | TOLUENE | 7.270 | 91 | 1807715 | 45.02 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 913247 | 46.29 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 743619 | 53.83 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 505262 | 45.59 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 793923 | 38.66 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.975 | 69 | 944521 | 49.01 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 632328 | 43.26 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1085341 | 51.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 957340 | 48.14 | PPBV | | 99 |
| 75) | OCTANE | 9.148 | 43 | 1415805 | 43.08 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 747842 | 50.62 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.206 | 112 | 1519252 | 45.56 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 2480888 | 44.56 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.524 | 91 | 3827571 | 90.65 | PPBV | | 98 |
| 81) | O-XYLENE | 12.453 | 91 | 1995478 | 46.04 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1510779 | 47.29 | PPBV | | 100 |
| 83) | NONANE | 13.576 | 43 | 1529296 | 45.44 | PPBV | | 99 |
| 84) | BROMOFORM | 11.328 | 173 | 1015782 | 55.05 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.466 | 83 | 1454357 | 47.64 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.746 | 75 | 1111565 | 47.22 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.968 | 120 | 745304 | 45.82 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.833 | 77 | 1398331 | 46.31 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.965 | 126 | 671558 | 44.16 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 787486 | 46.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.752 | 105 | 2903289 | 49.04 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.006 | 105 | 2452735 | 46.90 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.276 | 118 | 1287592 | 49.03 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 595730 | 48.09 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.588 | 105 | 2687686 | 49.67 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.675 | 91 | 1577661 | 77.14 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 1650345 | 48.34 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 1699131 | 47.87 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 1624812 | 47.84 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 741809 | 48.93 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.997 | 105 | 2571874 | 48.72 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 821843 | 48.57 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 861362 | 51.77 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1016583 | 64.36 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 1336000 | 52.86 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1756356 | 53.82 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 4403551 | 50.52 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 2678485 | 35.13 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

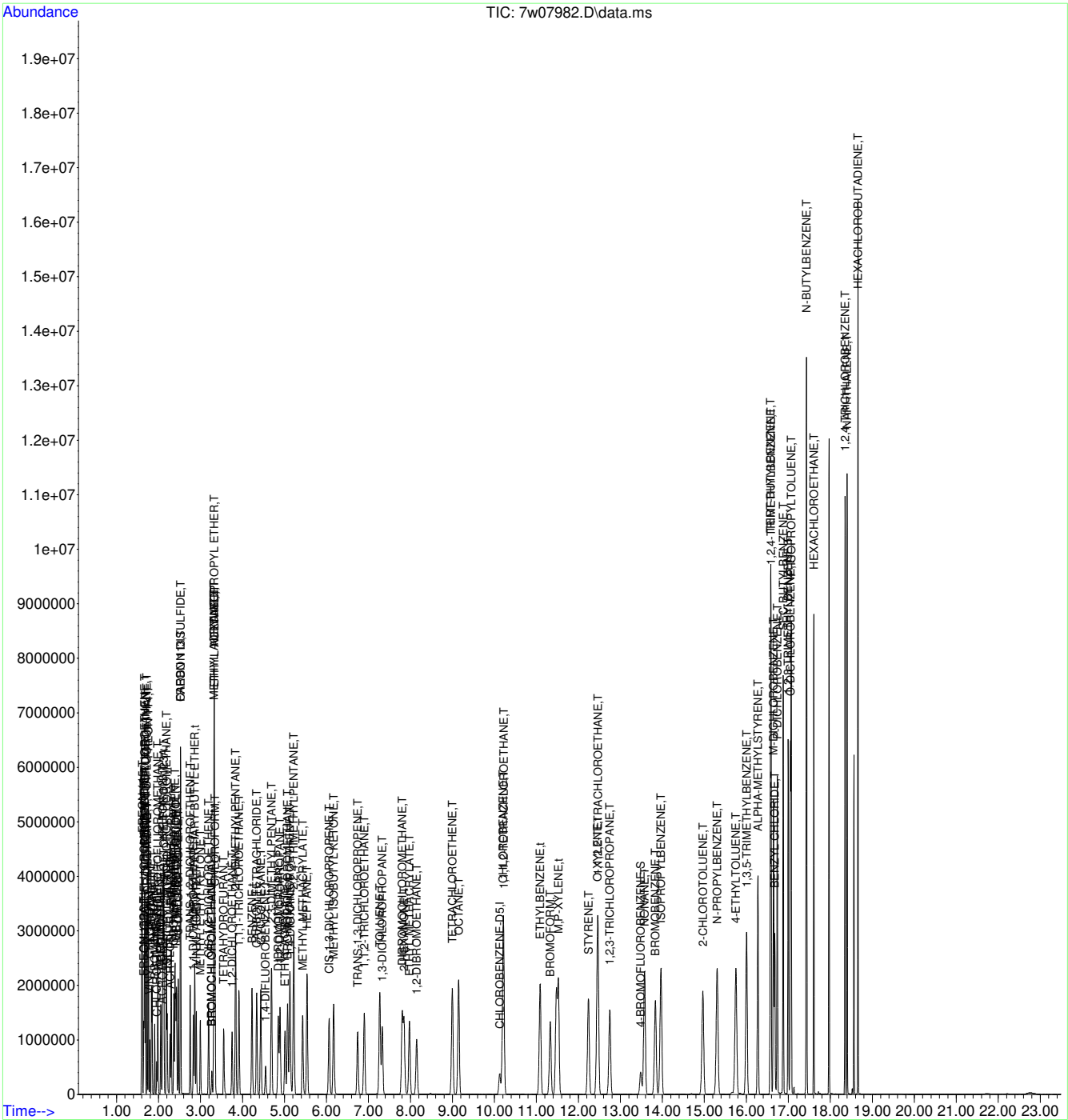
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.270 | 128 | 78494 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 389657 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.126 | 117 | 345790 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.270 | 128 | 78466 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262126 | 10.33 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 245619 | 24.76 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 291677 | 52.67 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 141627 | 53.53 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 690638 | 54.22 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 1753161 | 54.12 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 405362 | 53.41 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1432344 | 53.33 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1558278 | 56.61 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 195627 | 48.91 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 635465 | 51.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 540324 | 51.55 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 998179 | 54.13 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 514200 | 51.79 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 333396 | 50.94 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1339188 | 55.61 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 560405 | 43.66 | PPBV | | 100 |
| 18) ACROLEIN | 2.090 | 56 | 312569 | 58.59 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 1374797 | 53.58 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 825932 | 56.70 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1536852 | 53.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 1276024 | 45.28 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 337983 | 34.21 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 687480 | 49.97 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 1405240 | 57.19 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 566307 | 53.41 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1762887 | 57.59 | PPBV | | 96 |
| 28) ETHANOL | 1.988 | 45 | 321155 | 35.32 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 524513 | 51.62 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 490384 | 49.31 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 515055 | 45.51 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 294143 | 55.20 | PPBV | | 90 |
| 33) FREON 113 | 2.525 | 151 | 913434 | 55.78 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 535169 | 50.25 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 1298839 | 53.98 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1507766 | 58.04 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 274817 | 57.11 | PPBV | | 98 |
| 38) HEXANE | 3.322 | 57 | 1158103 | 54.06 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 146094 | 67.49 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 1030008 | 52.95 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 294713 | 56.98 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 589563 | 54.27 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 332704 | 58.58 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.332 | 61 | 237324 | 56.89 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1426991 | 59.69 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 1214394 | 54.25 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1280289 | 56.90 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 1200423 | 58.91 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 1255040 | 61.56 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 933342 | 55.50 | PPBV | | 100 |
| 51) | BENZENE | 4.229 | 78 | 1758391 | 53.39 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 764340 | 54.51 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 410142 | 58.19 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 820753 | 55.00 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 728144 | 55.37 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 664737 | 53.59 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1729659 | 61.26 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1366362 | 59.66 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 3472389 | 54.54 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.135 | 88 | 411014 | 53.01 | PPBV | # | 91 |
| 62) | HEPTANE | 5.540 | 43 | 1257625 | 55.77 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 710742 | 58.53 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 700033 | 48.98 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 1127356 | 63.16 | PPBV | | 97 |
| 66) | TOLUENE | 7.270 | 91 | 2289185 | 55.74 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.331 | 76 | 1142857 | 56.64 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 969360 | 68.61 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 643667 | 56.79 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.849 | 58 | 988014 | 47.05 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.978 | 69 | 1193687 | 60.56 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 9.000 | 164 | 805208 | 53.86 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1392250 | 64.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.151 | 107 | 1218207 | 59.90 | PPBV | | 99 |
| 75) | OCTANE | 9.151 | 43 | 1775513 | 52.82 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 958162 | 64.01 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.209 | 112 | 1916033 | 56.71 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 3150833 | 55.86 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.524 | 91 | 4833704 | 112.99 | PPBV | | 98 |
| 81) | O-XYLENE | 12.457 | 91 | 2534915 | 57.72 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1921279 | 59.36 | PPBV | | 99 |
| 83) | NONANE | 13.579 | 43 | 1935888 | 56.77 | PPBV | | 99 |
| 84) | BROMOFORM | 11.331 | 173 | 1314897 | 70.33 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.473 | 83 | 1856029 | 60.00 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.752 | 75 | 1408047 | 59.04 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.971 | 120 | 945561 | 57.37 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.836 | 77 | 1768536 | 57.81 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.968 | 126 | 853495 | 55.39 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 1005505 | 58.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.756 | 105 | 3707934 | 61.82 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.010 | 105 | 3135087 | 59.17 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.280 | 118 | 1653911 | 62.16 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 766074 | 61.04 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.591 | 105 | 3471175 | 63.31 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.678 | 91 | 2221433 | 107.20 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 2136121 | 61.75 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 2201660 | 61.23 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 2121120 | 61.64 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.881 | 134 | 961231 | 62.57 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 17.000 | 105 | 3311109 | 61.90 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.071 | 134 | 1069730 | 62.40 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 1119830 | 66.42 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1352760 | 84.53 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 1795989 | 70.14 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.353 | 180 | 2392266 | 72.35 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.402 | 128 | 6097099 | 69.04 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 3373992 | 43.59 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

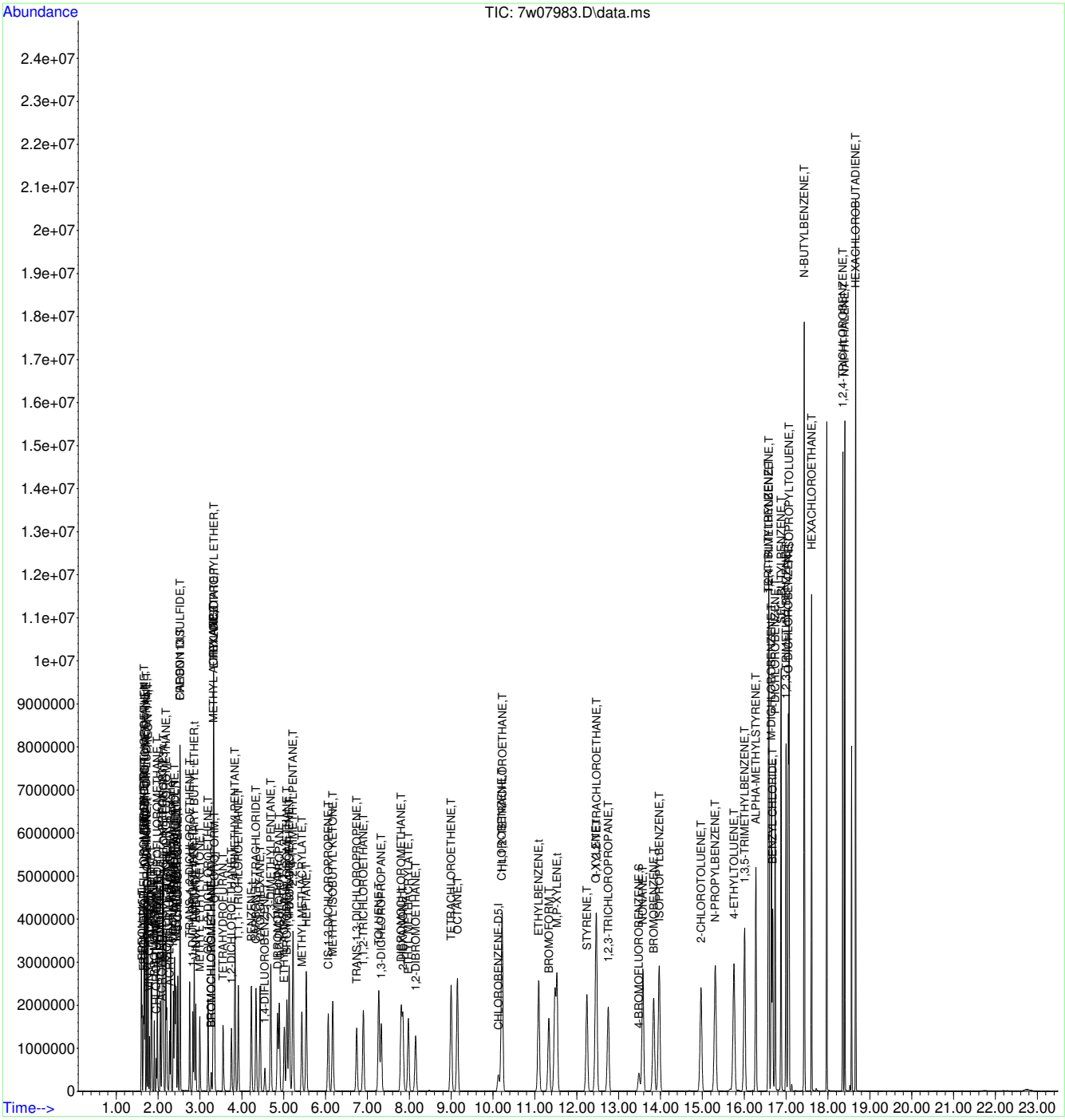
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 379483 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 340309 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 247947 | 9.93 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.614 | 119 | 109240 | 11.17 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 53753 | 10.19 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 25133 | 9.88 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 122894 | 9.94 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 332419 | 10.88 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 70144 | 9.60 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 281408 | 11.00 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 300241 | 11.55 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38535 | 9.73 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 125485 | 10.31 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 103362 | 10.44 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 192783 | 10.67 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 101749 | 10.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 65638 | 10.53 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 265986 | 11.16 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 112948 | 9.54 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 60791 | 10.23 | PPBV | | 98 |
| 19) FREON 123 | 2.103 | 83 | 252173 | 10.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 145517 | 10.48 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 303115 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.212 | 45 | 271631 | 10.52 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 65635 | 9.33 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 132878 | 10.13 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 277095 | 11.72 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 113020 | 11.08 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 349631 | 11.76 | PPBV | | 100 |
| 28) ETHANOL | 1.991 | 45 | 58992 | 8.36 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 103369 | 11.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 96396 | 10.07 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 104108 | 9.92 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56363 | 10.49 | PPBV | | 93 |
| 33) FREON 113 | 2.524 | 151 | 183367 | 11.42 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 107278 | 10.78 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 294471 | 11.88 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273981 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.556 | 72 | 51249 | 10.76 | PPBV | | 97 |
| 38) HEXANE | 3.319 | 57 | 196473 | 9.44 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 25222 | 11.09 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 191878 | 10.35 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 52375 | 10.33 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 109602 | 10.39 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 57566 | 10.63 | PPBV | | 93 |
| 44) ETHYL ACETATE | 3.328 | 61 | 39996 | 10.06 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 245056 | 10.75 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 229319 | 10.75 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 225377 | 10.13 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 204733 | 10.54 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 200635 | 10.52 | PPBV | | 99 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 169201 | 10.46 | PPBV | | 99 |
| 51) | BENZENE | 4.222 | 78 | 316278 | 10.07 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 138874 | 10.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 73542 | 10.71 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 147930 | 10.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 132436 | 10.24 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 125660 | 10.30 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 296975 | 10.70 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 239481 | 10.74 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 618959 | 10.08 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 78243 | 9.84 | PPBV | # | 98 |
| 62) | HEPTANE | 5.534 | 43 | 215703 | 10.00 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 124844 | 10.75 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 128395 | 9.67 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 172676 | 10.42 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 409854 | 10.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 206984 | 10.43 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 141799 | 10.43 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 119463 | 10.82 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.852 | 58 | 184918 | 9.13 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 210624 | 10.97 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 146582 | 10.16 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 231313 | 10.94 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 217379 | 11.18 | PPBV | | 99 |
| 75) | OCTANE | 9.141 | 43 | 307968 | 9.49 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 157549 | 10.79 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 345685 | 10.49 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 562286 | 10.41 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.511 | 91 | 869508 | 20.39 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 442080 | 10.32 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 333475 | 10.76 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 334870 | 9.89 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 199478 | 10.77 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 324727 | 10.77 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 250625 | 10.29 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 169216 | 10.43 | PPBV | | 100 |
| 89) | BROMOBENZENE | 13.820 | 77 | 313692 | 10.22 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 154799 | 10.41 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 176747 | 10.58 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.742 | 105 | 631445 | 10.68 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 529517 | 10.64 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 285116 | 10.78 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 128929 | 10.83 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 562226 | 10.81 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.668 | 91 | 224329 | 14.83 | PPBV | | 100 |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 357907 | 10.31 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 364848 | 10.60 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 347951 | 10.47 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 164754 | 11.00 | PPBV | | 96 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 547996 | 10.41 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 181395 | 10.85 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 180029 | 10.85 | PPBV | | 97 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 174155 | 10.82 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 264758 | 10.60 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 344052 | 10.34 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 945806 | 10.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 662374 | 10.01 | PPBV | | 100 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

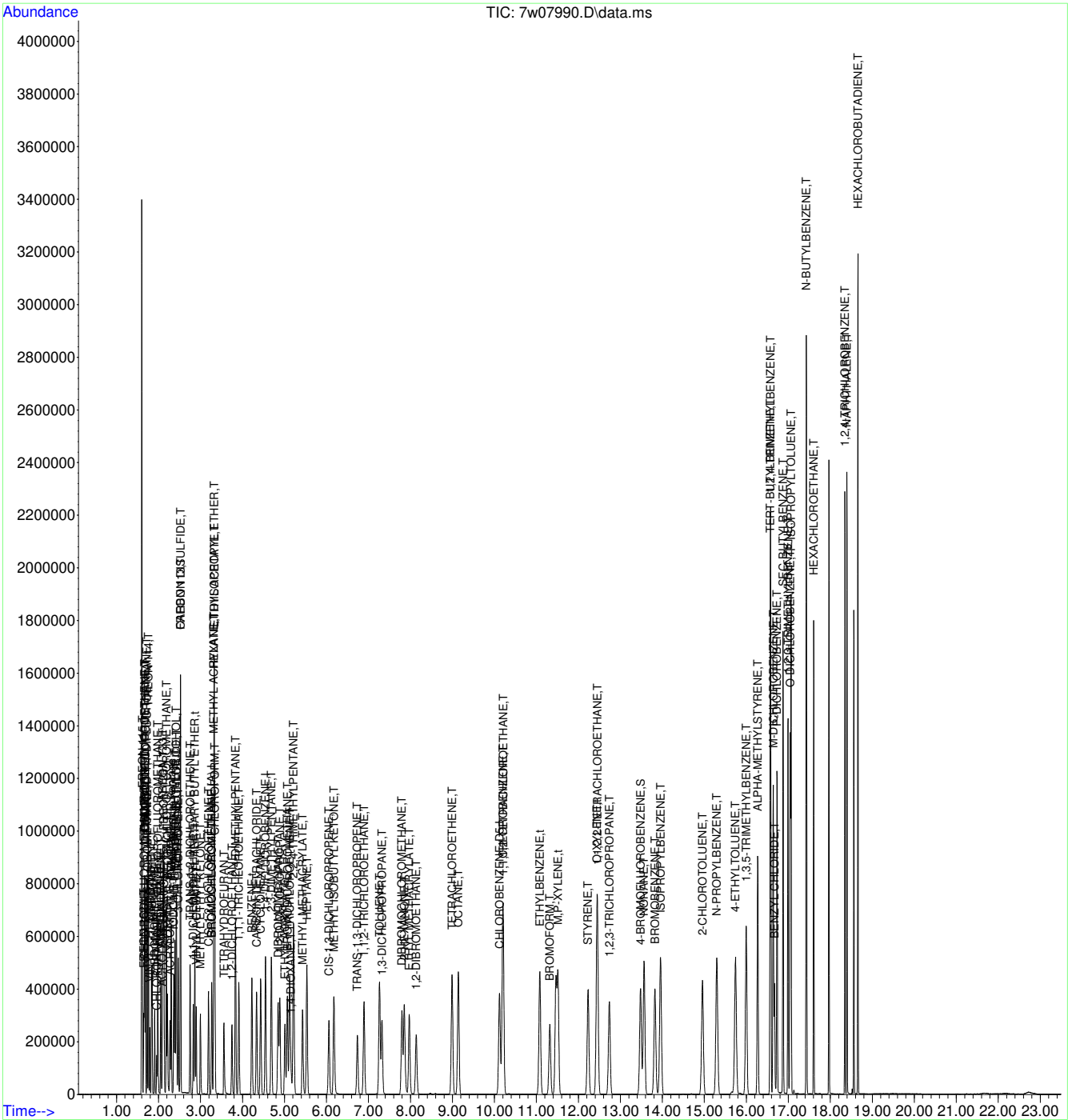
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 10/28/24 10:31

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 63493 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 331082 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.125 | 117 | 297593 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 63497 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 213981 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 113026 | 13.8804 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 60332 | 13.7252 | PPBV | | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 23723 | 11.1913 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 127298 | 12.3560 | PPBV | | 73 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 263336 | 10.3431 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 77585 | 12.7538 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 188871 | 8.8602 | PPBV | | 96 |
| 9) FREON 114 | 1.766 | 85 | 222669 | 10.2813 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.737 | 52 | 30987 | 9.3966 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 108145 | 10.6661 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 1.840 | 54 | 88205 | 10.7004 | PPBV | | 91 |
| 13) N-BUTANE | 1.856 | 43 | 158723 | 10.5438 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.914 | 94 | 76716 | 9.4622 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 55645 | 10.7159 | PPBV | | 91 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 201388 | 10.1476 | PPBV | | 98 |
| 17) ACETONITRILE | 2.061 | 41 | 94050 | 9.5412 | PPBV | | 99 |
| 18) ACROLEIN | 2.100 | 56 | 50543 | 10.2132 | PPBV | | 99 |
| 19) FREON 123 | 2.113 | 83 | 201545 | 9.9941 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 117688 | 10.1736 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 211056 | 9.2441 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 206117 | 9.5846 | PPBV | | 97 |
| 23) ACETONE | 2.139 | 58 | 56547 | 9.6486 | PPBV | | 80 |
| 24) PENTANE | 2.312 | 42 | 114292 | 10.4627 | PPBV | | 93 |
| 25) IODOMETHANE | 2.373 | 142 | 199212 | 10.1152 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84089 | 9.8975 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 237014m | 9.5726 | PPBV | | |
| 28) ETHANOL | 1.997 | 45 | 65784 | 11.1955 | PPBV | | 99 |
| 29) BROMOETHENE | 2.068 | 106 | 79227 | 10.2179 | PPBV | | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 83841 | 10.5181 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 76681 | 8.7694 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 42028 | 9.3929 | PPBV | | 87 |
| 33) FREON 113 | 2.531 | 151 | 121094 | 9.0567 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 92006 | 11.1038 | PPBV | | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 187657 | 9.0909 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 247830 | 11.9047 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 48020 | 12.1055 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 197954 | 11.4233 | PPBV | | 91 |
| 39) VINYL ACETATE | 2.907 | 86 | 21965 | 11.5903 | PPBV | | 83 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 192906 | 12.4937 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 51830 | 12.2738 | PPBV | | 92 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 99630 | 11.3378 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 55353 | 12.2759 | PPBV | | 88 |
| 44) ETHYL ACETATE | 3.335 | 61 | 39267 | 11.8571 | PPBV | | 83 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 230826 | 12.1609 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 193366 | 10.8804 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 228065 | 12.3033 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 184374 | 11.3966 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188605 | 11.8768 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 146730 | 10.8862 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 308275 | 11.7867 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 134964 | 11.5416 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 72682 | 12.1371 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 135525 | 10.6878 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 132351 | 11.7327 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 119408 | 11.2220 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 274358 | 11.3295 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 213417 | 10.9674 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 610797 | 11.3973 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 74819 | 10.7809 | PPBV | # | 97 |
| 62) | HEPTANE | 5.537 | 43 | 203736 | 10.8294 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 120570 | 11.9046 | PPBV | | 89 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 122322 | 10.5619 | PPBV | | 89 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 178889 | 12.3742 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 378375 | 10.7412 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 190140 | 10.9863 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 145980 | 12.3099 | PPBV | | 84 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 110082 | 11.4301 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.849 | 58 | 173337 | 9.8065 | PPBV | | 85 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 197350 | 11.7828 | PPBV | | 90 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 147324 | 11.7048 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 210741 | 11.4225 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.145 | 107 | 200172 | 11.7981 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 281158 | 9.9350 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 152082 | 11.9158 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 303191 | 10.5248 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 496140 | 10.5068 | PPBV | | 98 |
| 80) | M,P-XYLENE | 11.511 | 91 | 759385 | 20.3591 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 392123 | 10.4711 | PPBV | | 99 |
| 82) | STYRENE | 12.228 | 104 | 310835 | 11.4722 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 292727 | 9.8840 | PPBV | | 91 |
| 84) | BROMOFORM | 11.322 | 173 | 190712 | 11.7766 | PPBV | | 98 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 295336 | 11.1968 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 225277 | 10.5759 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 152608 | 10.7589 | PPBV | | 92 |
| 89) | BROMOBENZENE | 13.823 | 77 | 277263 | 10.3324 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 137811 | 10.5980 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 159402 | 10.9137 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 572692 | 11.0748 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 468289 | 10.7628 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 243505 | 10.5325 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 113959 | 10.9491 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 483510 | 10.6340 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 274583 | 20.7527 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 328395 | 10.8224 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 334666 | 11.1199 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 312206 | 10.7438 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 143032 | 10.9190 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 469736 | 10.2042 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 156356 | 10.6967 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 157567 | 10.8598 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 173464 | 12.3190 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.652 | 225 | 250329 | 11.4655 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.344 | 180 | 323430 | 11.1185 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.392 | 128 | 720866 | 9.4852 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 539852 | 9.7956 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

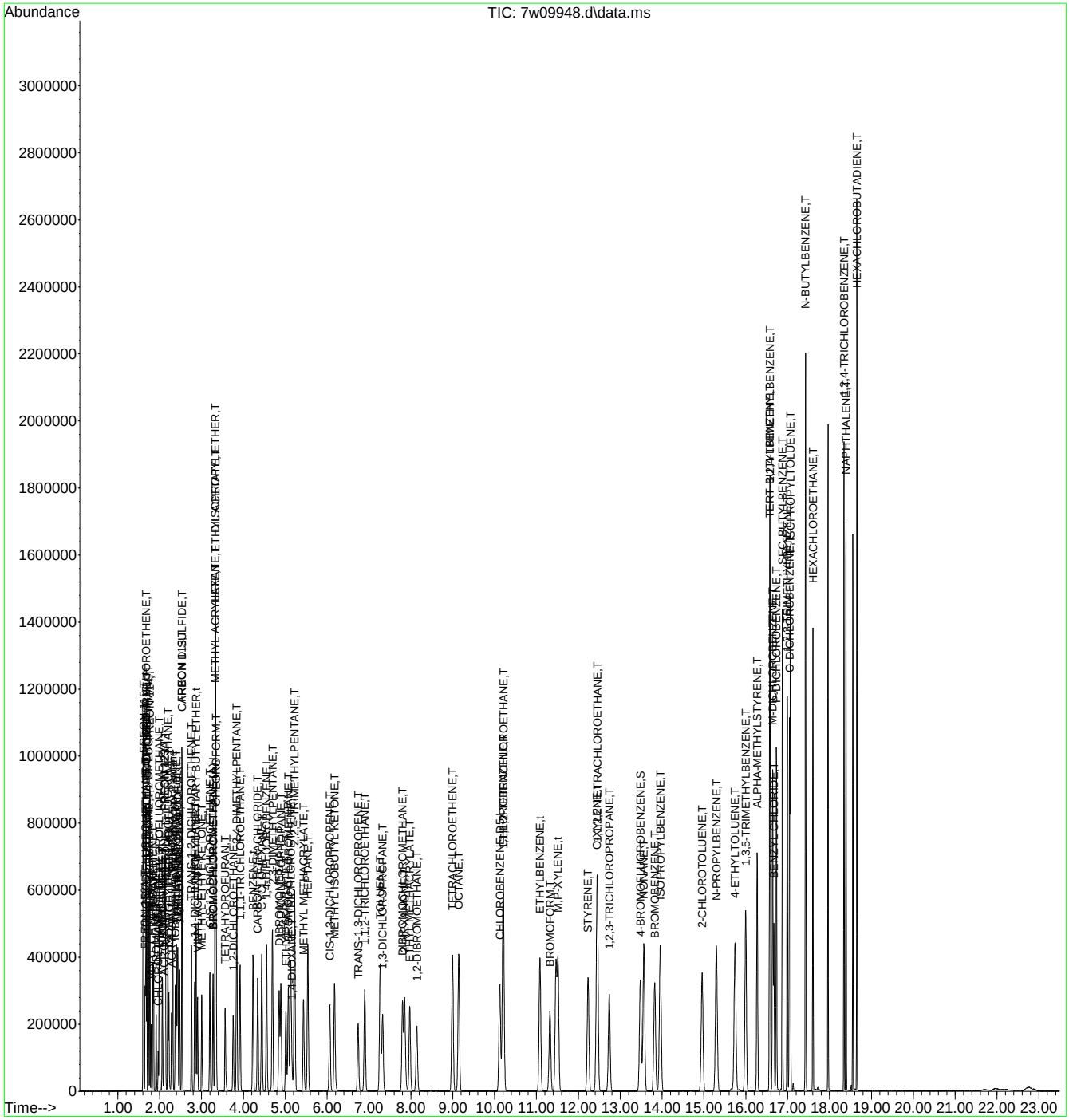
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:42:47 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



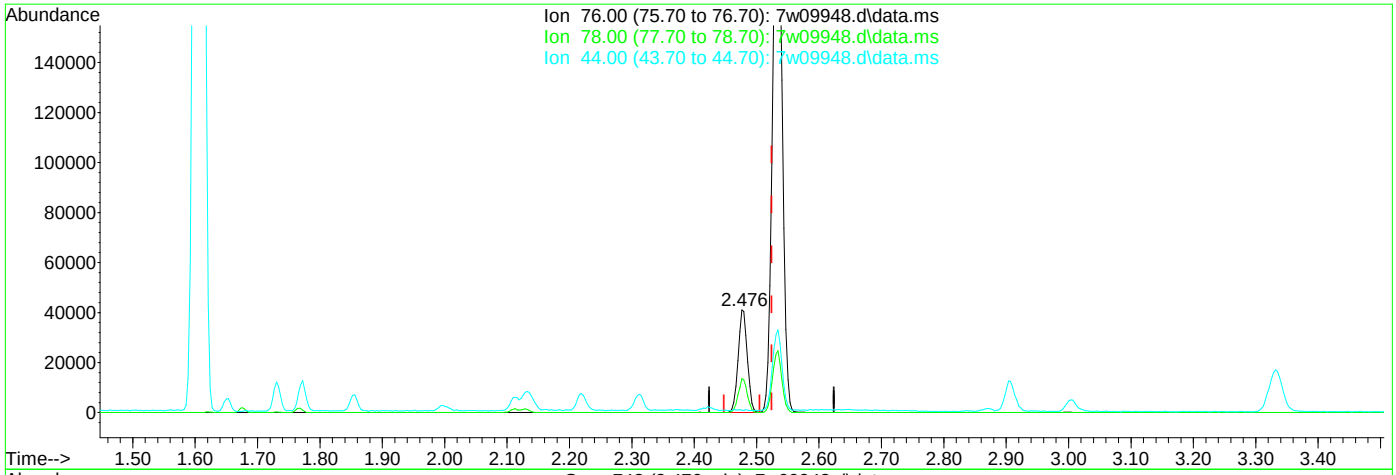
**Sample Number:** V7W369-CC305 **Method:** TO-15
**Lab FileID:** 7W09948.D **Analyst approved:** 10/28/24 09:30 Kristel Valladolid
**Injection Time:** 10/25/24 11:00 **Supervisor approved:** 10/28/24 10:31 Kanya Veerawat

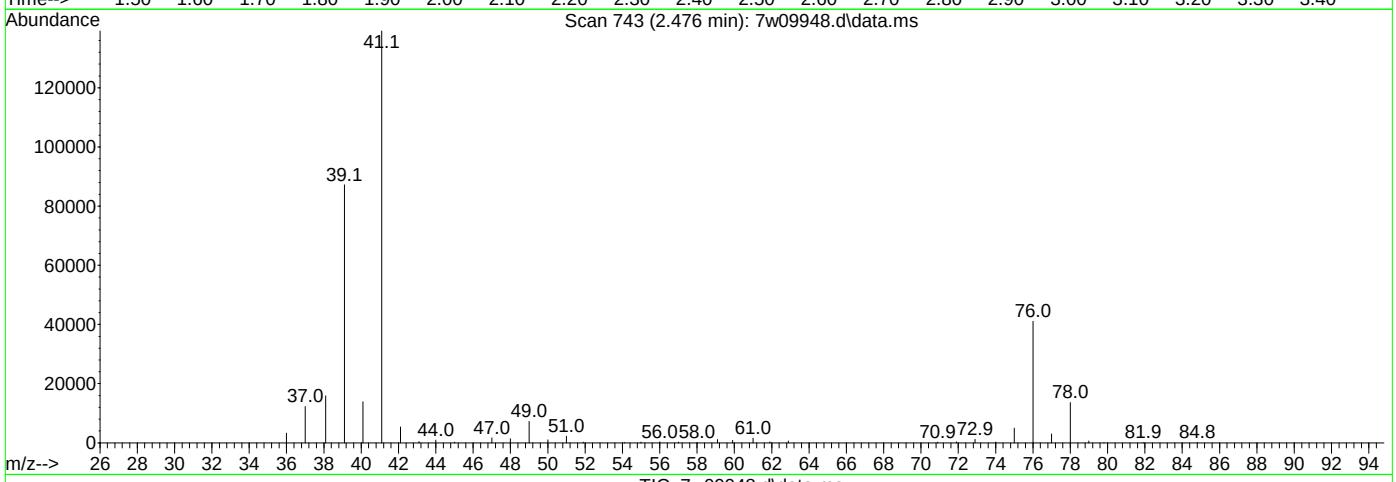
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w09948.d\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.70PPBV

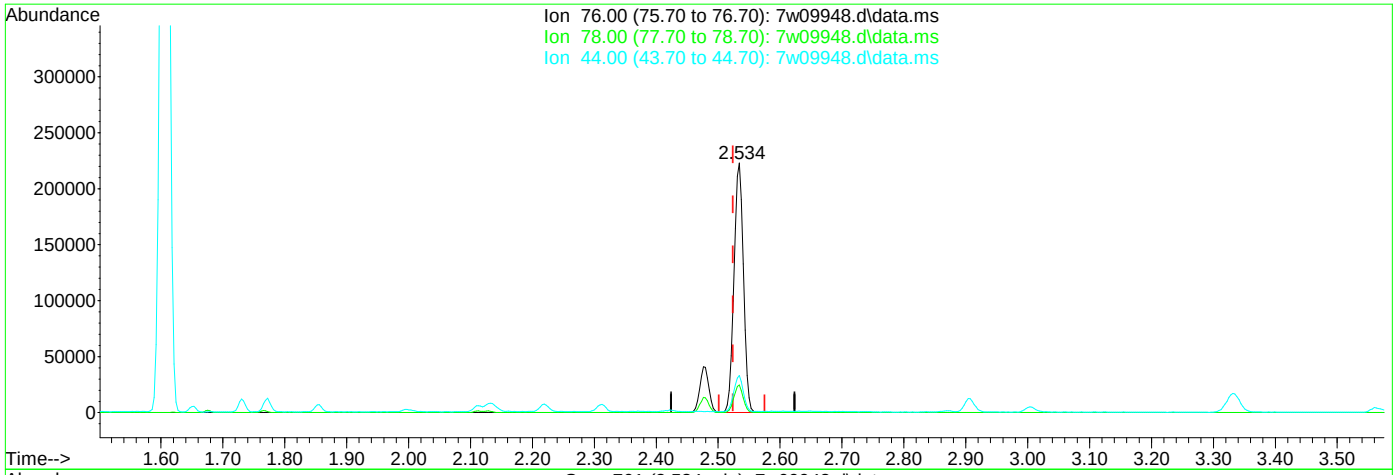
response 42062

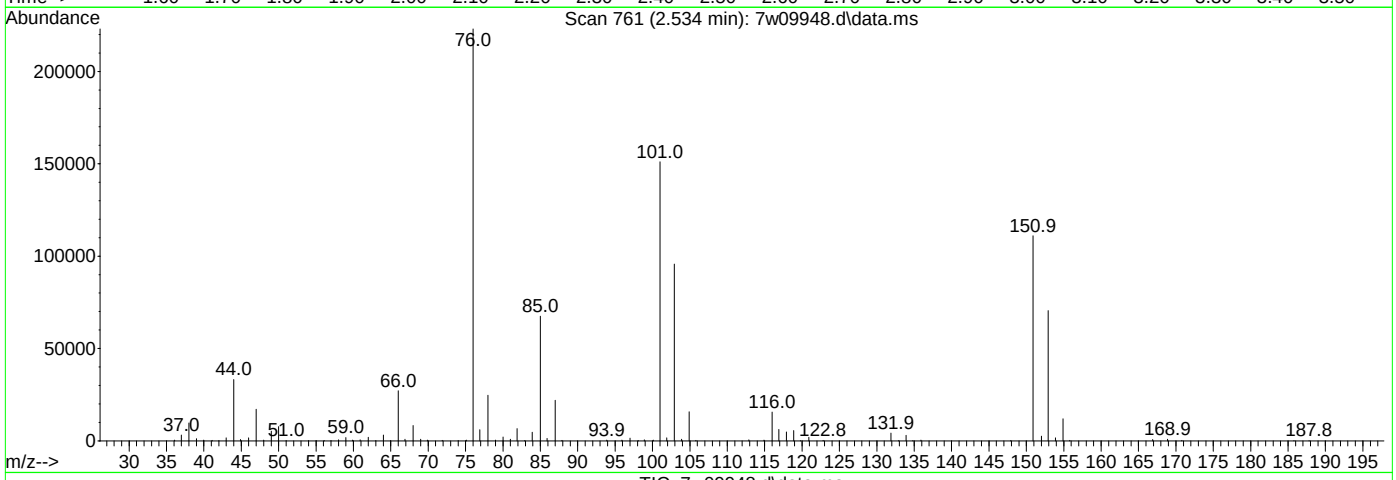
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.65# |
| 44.00 | 19.10 | 1.05# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\102824\v7w369\
Data File : 7w09948.d
Acq On : 25 Oct 2024 11:00 am
Operator : thomash
Sample : cc305-10 Inst : MS7W
Misc : MS86212,v7w369,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 10:31:29 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w09948.d\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 9.57PPBV m

response 237014

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.79# |
| 44.00 | 19.10 | 0.19# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 318407 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 291110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 198104 | 9.28 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 113904 | 14.6115 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 58252 | 13.8424 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22548 | 11.1109 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 126006 | 12.7755 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258130 | 10.5903 | PPBV | | 96 |
| 7) PROPYLENE | 1.670 | 41 | 73226 | 12.5735 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 176595 | 8.6534 | PPBV | | 93 |
| 9) FREON 114 | 1.763 | 85 | 219367 | 10.5801 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27990 | 8.8659 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 98928 | 10.1918 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 78163 | 9.9046 | PPBV | | 85 |
| 13) N-BUTANE | 1.853 | 43 | 130976 | 9.0882 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.914 | 94 | 79036 | 10.1826 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 53235 | 10.7085 | PPBV | | 88 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 193041 | 10.1603 | PPBV | | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 79921 | 8.4691 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 45813 | 9.6699 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 201941 | 10.4598 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 122795 | 11.0880 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 218154 | 9.9806 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 185164 | 8.9938 | PPBV | | 95 |
| 23) ACETONE | 2.139 | 58 | 55931 | 9.9687 | PPBV | | 67 |
| 24) PENTANE | 2.313 | 42 | 98623 | 9.4305 | PPBV | | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 221386 | 11.7419 | PPBV | | 90 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84778 | 10.4231 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 226201 | 9.5429 | PPBV | # | 91 |
| 28) ETHANOL | 1.994 | 45 | 48617 | 8.6425 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83038 | 11.1865 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 72323 | 9.4774 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75641 | 9.0358 | PPBV | | 81 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 40143 | 9.3713 | PPBV | # | 64 |
| 33) FREON 113 | 2.531 | 151 | 133379 | 10.4200 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.760 | 96 | 90620 | 11.4238 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 178450 | 9.0300 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 237675 | 11.9255 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45414 | 11.9586 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 189796 | 11.4405 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 21344 | 11.7644 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 185111 | 12.5230 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 48844 | 12.0820 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95378 | 11.3375 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 53282 | 12.3430 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 37519 | 11.8340 | PPBV | | 80 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 218966 | 12.0500 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 183591 | 10.7906 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 217186 | 12.2384 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179721 | 11.6039 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188242 | 12.3820 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 136186 | 10.5541 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 287054 | 11.4643 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 122945 | 10.9323 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66429 | 11.5345 | PPBV | | 92 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124262 | 10.1896 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 125410 | 11.5600 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 108654 | 10.6178 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 267659 | 11.4928 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 201360 | 10.7597 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 593969 | 11.5245 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 67571 | 10.1241 | PPBV | # | 92 |
| 62) | HEPTANE | 5.538 | 43 | 200831 | 11.0999 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 111342 | 11.4310 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116688 | 10.4765 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.062 | 75 | 168984 | 12.1544 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 344235 | 10.1611 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 174071 | 10.4582 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139249 | 12.2098 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.898 | 83 | 101012 | 10.9059 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 163348 | 9.6093 | PPBV | | 87 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 179505 | 11.1440 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 132275 | 10.9275 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200550 | 11.3029 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 182038 | 11.1564 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 274062 | 10.0697 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144332 | 11.5604 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 276377 | 9.8077 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 454221 | 9.8333 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 696539 | 19.0900 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 354868 | 9.6873 | PPBV | | 99 |
| 82) | STYRENE | 12.232 | 104 | 275318 | 10.3876 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 281389 | 9.7128 | PPBV | | 94 |
| 84) | BROMOFORM | 11.322 | 173 | 186323 | 11.7618 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 264100 | 10.2355 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 200411 | 9.6181 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 135526 | 9.7674 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 247703 | 9.4364 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 120539 | 9.4762 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 141576 | 9.9091 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 515336 | 10.1876 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 416897 | 9.7951 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 212144 | 9.3804 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102158 | 10.0338 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 434416 | 9.7670 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257456 | 19.8916 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 290983 | 9.8030 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 295431 | 10.0349 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 277787 | 9.7722 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 130027 | 10.1472 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 415375 | 9.2243 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 139585 | 9.7620 | PPBV | | 94 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 139967 | 9.8616 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159918 | 11.6099 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.650 | 225 | 220878 | 10.3419 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 269758 | 9.4800 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 626781 | 8.4309 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 466760 | 8.8472 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

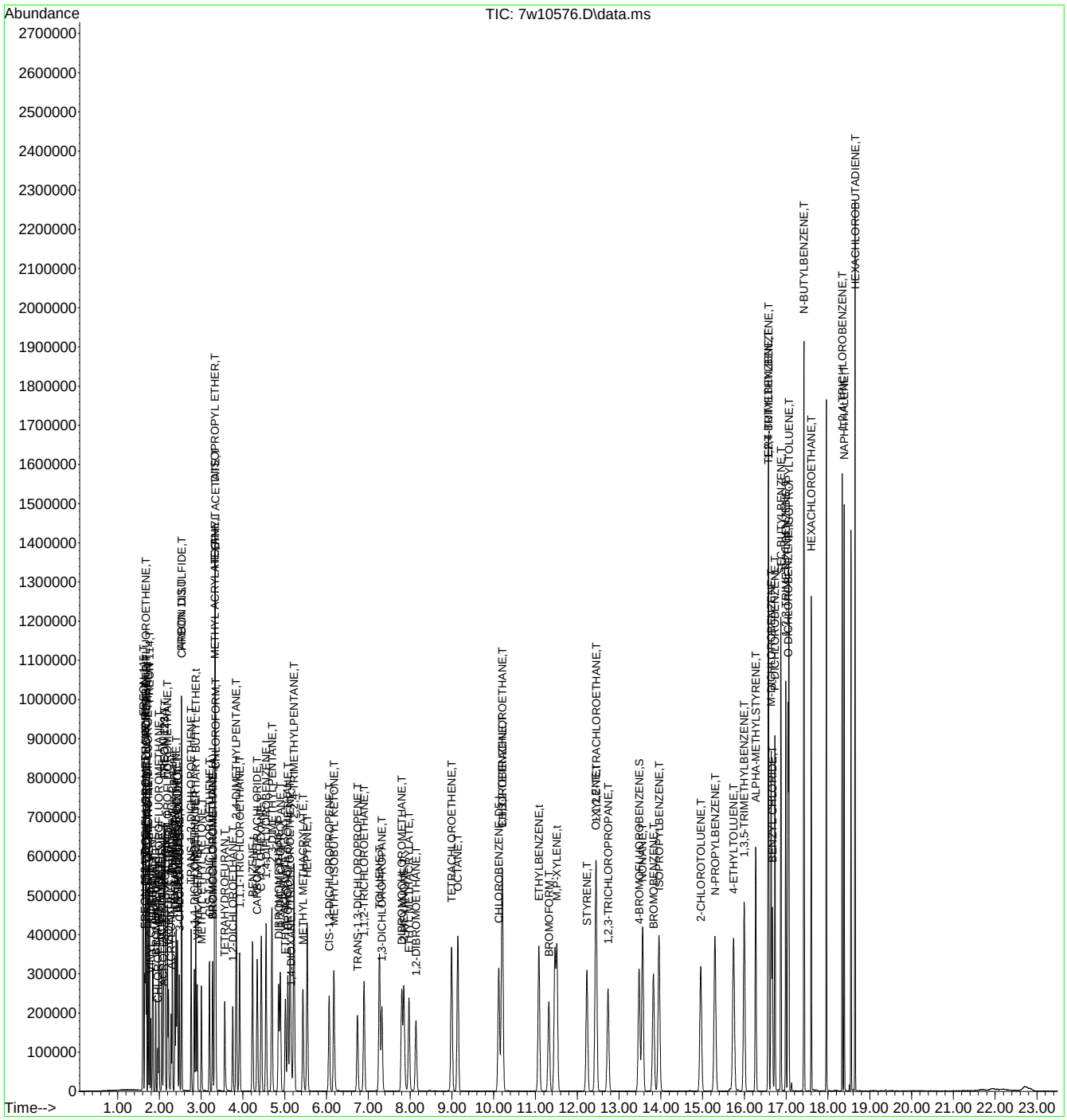
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72713 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 383789 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 314273 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72713 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 225172 | 9.77 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 124218 | 13.3206 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 65766 | 13.0643 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28304 | 11.6593 | PPBV | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 133573 | 11.3211 | PPBV | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 309467 | 10.6137 | PPBV | 99 |
| 7) PROPYLENE | 1.673 | 41 | 82127 | 11.7885 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265152 | 10.8615 | PPBV | 97 |
| 9) FREON 114 | 1.766 | 85 | 287257 | 11.5817 | PPBV | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39678 | 10.5064 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 137113 | 11.8085 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.840 | 54 | 109490 | 11.5983 | PPBV | 93 |
| 13) N-BUTANE | 1.856 | 43 | 197186 | 11.4379 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 96846 | 10.4304 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 67594 | 11.3665 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 252271 | 11.0997 | PPBV | 99 |
| 17) ACETONITRILE | 2.062 | 41 | 111438 | 9.8717 | PPBV | 100 |
| 18) ACROLEIN | 2.100 | 56 | 56560 | 9.9799 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 250554 | 10.8489 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 139203 | 10.5076 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 262872 | 10.0537 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 245998 | 9.9886 | PPBV | 98 |
| 23) ACETONE | 2.139 | 58 | 69188 | 10.3086 | PPBV | 85 |
| 24) PENTANE | 2.312 | 42 | 135548 | 10.8352 | PPBV | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 236333 | 10.4784 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 104831 | 10.7743 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 314081m | 11.0767 | PPBV | |
| 28) ETHANOL | 1.997 | 45 | 71616 | 10.6426 | PPBV | 99 |
| 29) BROMOETHENE | 2.068 | 106 | 93881 | 10.5726 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.283 | 52 | 94413 | 10.3426 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 100876 | 10.0735 | PPBV | 99 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 55680 | 10.8661 | PPBV | 94 |
| 33) FREON 113 | 2.531 | 151 | 146739 | 9.5832 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 100171 | 10.5563 | PPBV | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 251539 | 10.6405 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 281716 | 11.8165 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 53016 | 11.6703 | PPBV | 96 |
| 38) HEXANE | 3.325 | 57 | 218443 | 11.0073 | PPBV | 93 |
| 39) VINYL ACETATE | 2.907 | 86 | 24929 | 11.4864 | PPBV | 81 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 221068 | 12.5022 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 57471 | 11.8839 | PPBV | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 114625 | 11.3902 | PPBV | 98 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 61884 | 11.9841 | PPBV | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 44813 | 11.8159 | PPBV | 79 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 257381 | 11.8406 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 228133 | 11.2090 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 249533 | 11.7545 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 217871 | 11.7595 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 215033 | 11.8240 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.753 | 62 | 173683 | 11.2520 | PPBV | | 99 |
| 51) BENZENE | 4.229 | 78 | 334442 | 11.1657 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.438 | 84 | 150415 | 11.0964 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78602 | 11.3231 | PPBV | | 96 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 150275 | 10.2234 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 148037 | 11.3210 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 127543 | 10.3404 | PPBV | | 97 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 310535 | 11.0623 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.071 | 83 | 246347 | 10.9211 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 676249 | 10.8857 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 80126 | 9.9600 | PPBV | # | 95 |
| 62) HEPTANE | 5.537 | 43 | 222238 | 10.1905 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 129696 | 11.0470 | PPBV | | 95 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 134511 | 10.0193 | PPBV | | 91 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200693 | 11.9759 | PPBV | | 91 |
| 66) TOLUENE | 7.267 | 91 | 404008 | 9.8938 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 209319 | 10.4335 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 166232 | 12.0926 | PPBV | | 91 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 123583 | 11.0697 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.846 | 58 | 186755 | 9.1146 | PPBV | | 91 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 210548 | 10.8444 | PPBV | | 96 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 158430 | 10.8586 | PPBV | | 97 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 232603 | 10.8761 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 222069 | 11.2912 | PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 309112 | 9.4227 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 172209 | 12.7766 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.196 | 112 | 333442 | 10.9606 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.080 | 91 | 532047 | 10.6692 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.508 | 91 | 818693 | 20.7842 | PPBV | | 98 |
| 81) O-XYLENE | 12.444 | 91 | 420763 | 10.6396 | PPBV | | 97 |
| 82) STYRENE | 12.232 | 104 | 322337 | 11.2653 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 327222 | 10.4623 | PPBV | | 94 |
| 84) BROMOFORM | 11.322 | 173 | 202757 | 11.8558 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 324802 | 11.6603 | PPBV | | 99 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245284 | 10.9040 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.952 | 120 | 164061 | 10.9524 | PPBV | | 96 |
| 89) BROMOBENZENE | 13.823 | 77 | 297385 | 10.4941 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 14.958 | 126 | 147296 | 10.7262 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 172351 | 11.1740 | PPBV | | 98 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 604172 | 11.0635 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 495028 | 10.7735 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 253766 | 10.3938 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 124432 | 11.3208 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 527071 | 10.9768 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 298306 | 21.3491 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 348032 | 10.8608 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 352021 | 11.0758 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 330611 | 10.7733 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 158601 | 11.4649 | PPBV | | 92 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507380 | 10.4370 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 175712 | 11.3829 | PPBV | | 92 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 173477 | 11.3217 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 17.601 | 117 | 191640 | 12.8875 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 269973 | 11.7090 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 332707 | 10.8304 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.395 | 128 | 752557 | 9.3766 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 649553 | 10.2923 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

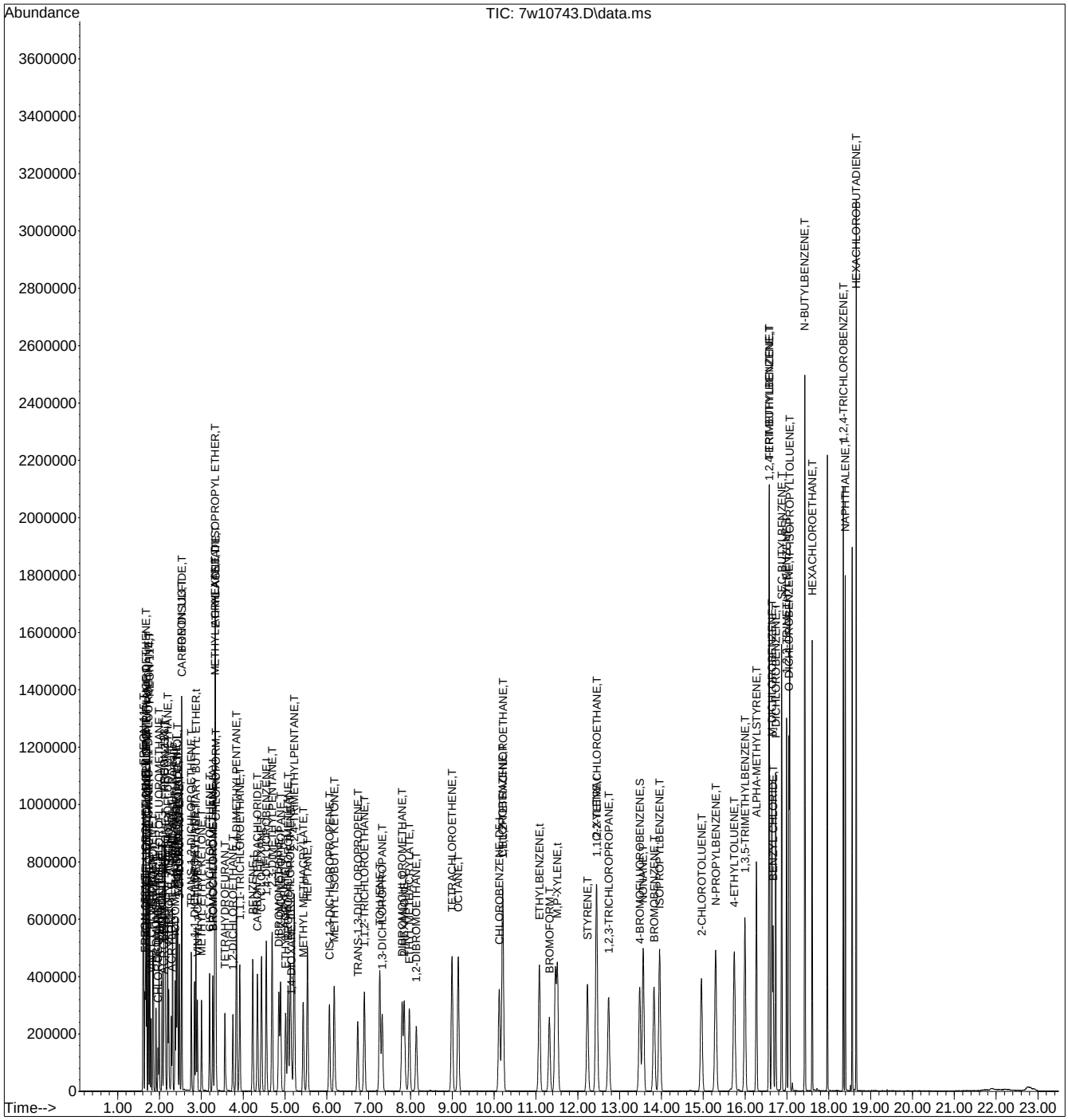
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



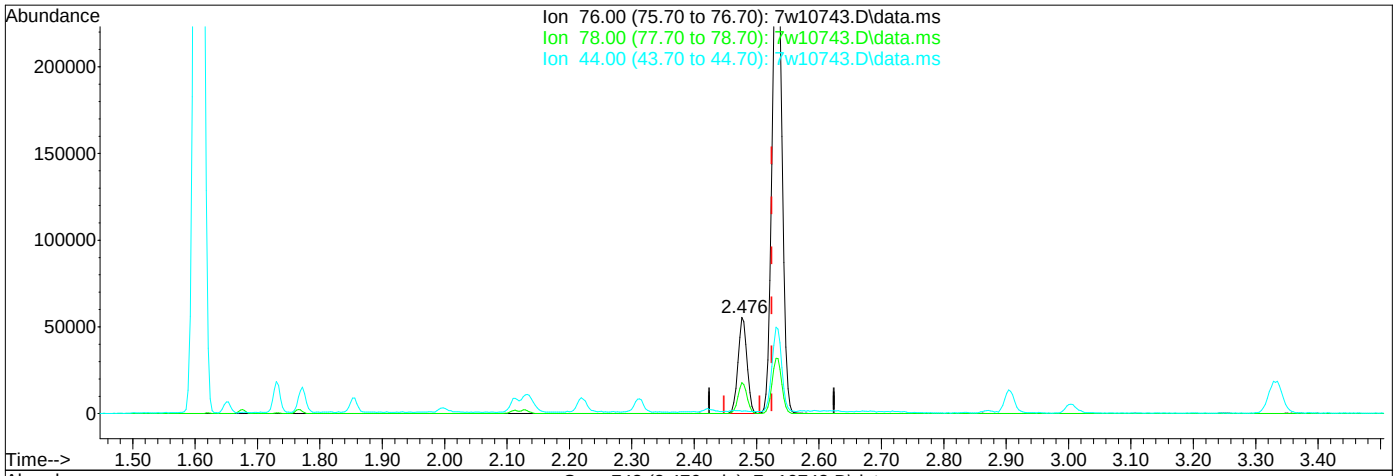
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W392-CC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W10743.D | **Analyst approved:** | 11/25/24 16:53 Geralyn Gomez |
| **Injection Time:** | 11/25/24 09:11 | **Supervisor approved:** | 11/25/24 17:07 Kanya Veerawat |

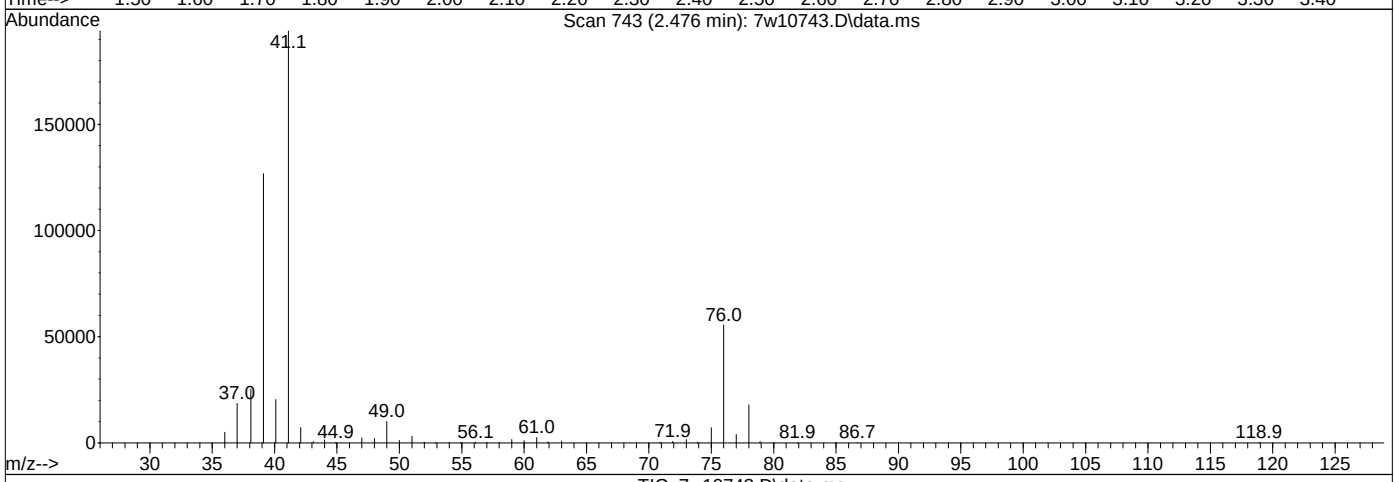
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

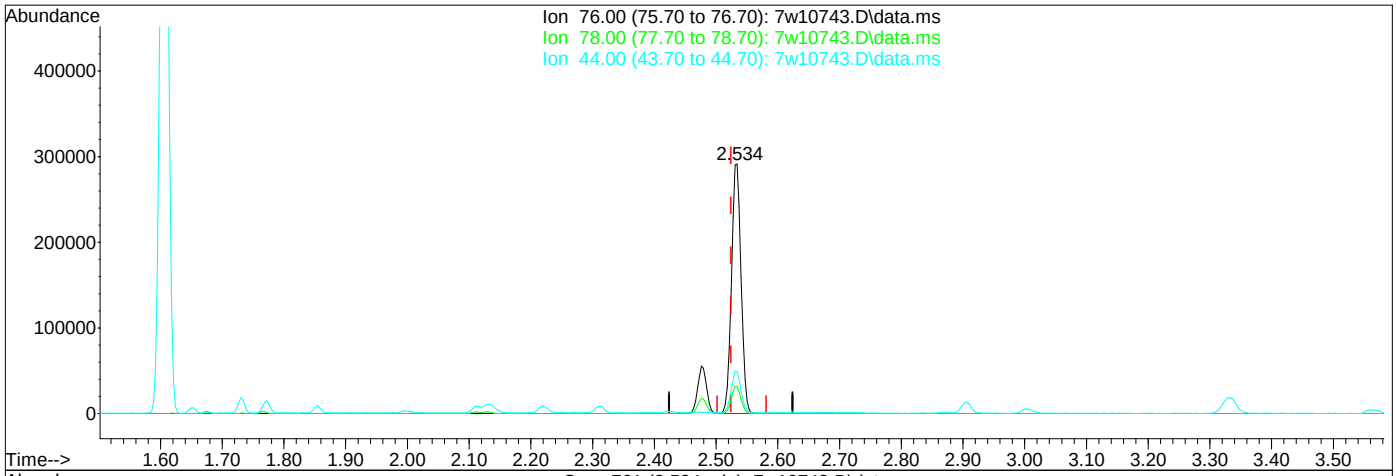
response 55719

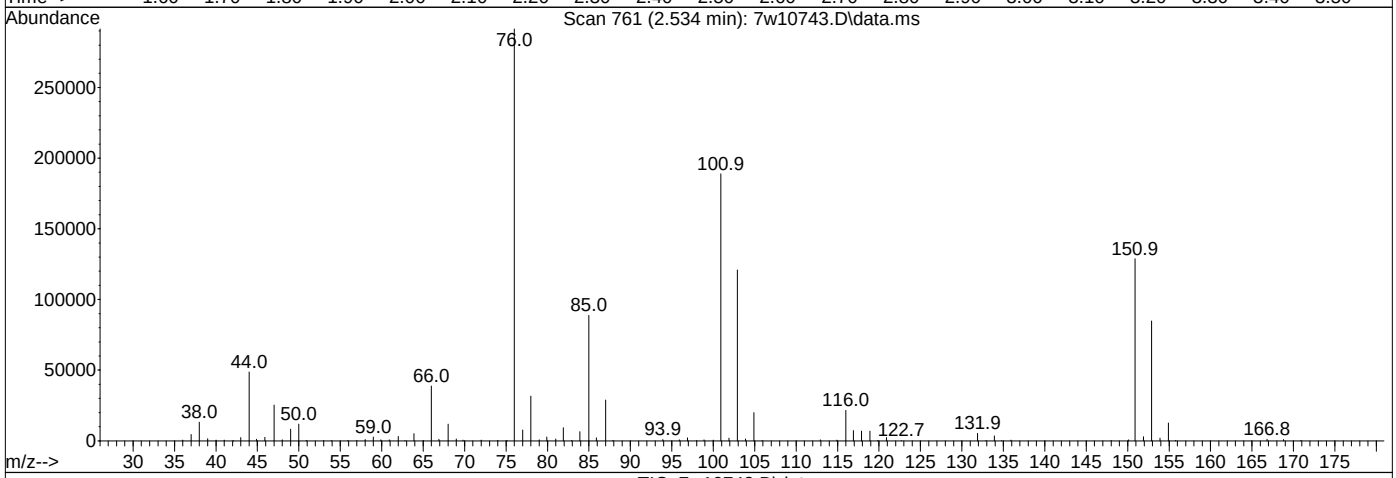
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.48# |
| 44.00 | 19.10 | 1.91# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.76# |
| 44.00 | 19.10 | 0.34# |
| 0.00 | 0.00 | 0.00 |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A1784 | AS10508 | 12/30/2024 | 0.5 |
| TO-15 STD | A2040 | AS10510 | 1/5/2025 | 5.0 |
| TO-15 STD | A1788 | AS10499 | 12/28/2024 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2125**
**Date: 12/8/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6 | ib | 5w55453 | | | A2040 | 20 | | | | | - | |
| 1-3 | ib | 5w55454 | | | A1784 | 20 | | | | | - | |
| 1-2 | ib | 5w55455 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55456 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55457 | | | A959 | 20 | | | | | - | |
| 1-3 | bfb | 5w55458 | | | A1784 | 32 | | | | | OK | T = 10:53 |
| 1-3 | ic2125-0.04 | 5w55459 | | | A1784 | 32 | | | √ | √ | OK | |
| 1-3 | ic2125-0.1 | 5w55460 | | | A1784 | 80 | | | √ | √ | OK | |
| 1-3 | ic2125-0.2 | 5w55461 | | | A1784 | 160 | | | √ | √ | OK | |
| 1-3 | ic2125-0.5 | 5w55462 | | | A1784 | 400 | | | | | NOT USED | Testing Purposes |
| 1-6 | ic2125-0.5 | 5w55463 | | | A2040 | 40 | | | √ | √ | OK | |
| 1-6 | ic2125-5 | 5w55464 | | | A2040 | 400 | | | √ | √ | OK | |
| 1-1 | ic2125-5 | 5w55465 | | | A1788 | 40 | | | | | NOT USED | Testing Purposes |
| 1-1 | icc2125-10 | 5w55466 | | | A1788 | 80 | | | √ | √ | OK | |
| 1-1 | ic2125-20 | 5w55467 | | | A1788 | 160 | | | √ | √ | OK | |
| 1-1 | ic2125-40 | 5w55468 | | | A1788 | 320 | | | √ | √ | OK | |
| 1-1 | ic2125-50 | 5w55469 | | | A1788 | 400 | | | √ | √ | OK | |
| 1-2 | ib | 5w55470 | | | A959 | 200 | | | | | - | |
| 1-2 | ib | 5w55471 | | | A959 | 100 | | | | | - | |
| 1-5 | icv2125-10 | 5w55472 | | | A1795 | 80 | | | | | RR | Nap ↑ |
| 1-5 | icv2125-10 | 5w55473 | | | A1795 | 80 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2136**
**Date: 12/20/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55775 | | | a2039 | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55776 | | | A974 | 80 | | | | | NG | Multiple compounds ↑ retune instrument. |
| 1-2 | bfb | 5w55777 | | | a2039 | 20 | | | | | OK | T = 10:31 |
| 1-1 | cc2125-10 | 5w55778 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55779 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55780 | | | A974 | 80 | | | | | RR | |
| 1-1 | bsd | 5w55781 | | | A974 | 80 | | | √ | √ | OK | 1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55782 | | | a2039 | 400 | | | | | - | |
| 1-2 | mb | 5w55783 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | je2665-1 | 5w55784 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-3 | je2665-1dup | 5w55785 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55786 | MS88104 | NYLL | a1629 | 725 | 1.45 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55787 | MS88104 | NYLL | a1629 | 100 | 1.45 | | √ | √ | OK | |
| 1-5 | je2489-3 | 5w55788 | MS88104 | NYSVLL | a1641 | 400 | 1 | | √ | √ | OK | |
| 1-6 | je2489-4 | 5w55789 | MS88104 | NYLL | a1190 | 740 | 1.48 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55790 | MS88104 | NYSVLL | a761 | 80 | 1 | | √ | √ | OK | f/d |
| 1-8 | je2490-2 | 5w55791 | MS88104 | NYLL | a1736 | 725 | 1.45 | | √ | √ | OK | |
| 1-8 | je2490-2 | 5w55792 | MS88104 | NYLL | a1736 | 10 | 1.45 | | √ | √ | OK | |
| 1-9 | je2490-3 | 5w55793 | MS88104 | NYSVLL | a1293 | 200 | 1 | | √ | √ | OK | |
| 1-10 | je2490-4 | 5w55794 | MS88104 | NYLL | a2540 | 20 | 1 | | √ | √ | OK | |
| 1-11 | je2491-1 | 5w55795 | MS88104 | NYSVLL | a1726 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je2491-2 | 5w55796 | MS88104 | NYLL | a1735 | 10 | 1 | | √ | √ | OK | f/d |
| 1-13 | je2491-3 | 5w55797 | MS88104 | NYSVLL | a1480 | 200 | 1 | | √ | √ | OK | |
| 1-14 | je2491-4 | 5w55798 | MS88104 | NYLL | a1688 | 10 | 1 | | √ | √ | OK | f/d |
| 1-15 | je2670-1 | 5w55799 | MS88187 | 8010L | a1867 | 400 | 1 | | √ | √ | OK | |
| 1-16 | je2670-2 | 5w55800 | MS88187 | 8010L | a1339 | 400 | 1 | | √ | √ | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/20/2024 | TH | je2489-2 | a1629 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |
| 12/20/2024 | TH | je2489-4 | a1190 | 8.0 | 1.20 | 1.48 | | | | | 0 | #DIV/0! | **1.48** |
| 12/20/2024 | TH | je2490-2 | a1736 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V5W2136**
**Date:** **12/20/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s):** **Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] | | | | | | | | | | | |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2138**
**Date: 12/23/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55817 | | | a2039 | 20 | | | | | RR | |
| 1-1 | bfb | 5w55818 | | | A974 | 80 | | | | | OK | T = 08:13 |
| 1-1 | cc2125-10 | 5w55819 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55820 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55821 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55822 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55823 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | scc,cp12951 | 5w55824 | | | a1634 | 400 | | | √ | √ | OK | |
| 1-3 | je2315-1 | 5w55825 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-3 | je2315-1dup | 5w55826 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2487-1 | 5w55827 | MS88104 | NYSVLL, Nap | m140 | 100 | 1 | | √ | √ | OK | |
| 1-5 | je2487-5 | 5w55828 | MS88104 | NYSVLL, Nap | a1597 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2489-1 | 5w55829 | MS88104 | NYSVLL, Nap | a231 | 400 | 1 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55830 | MS88104 | NYSVLL, Nap | a1761 | 20 | 1 | | √ | √ | OK | |
| 1-8 | je2491-2 | 5w55831 | MS88104 | NYLL, Nap | a1735,m442 | 200 | 135 | | √ | √ | OK | |
| 1-9 | je2491-4 | 5w55832 | MS88104 | NYLL, Nap | a1688 | 5 | 1 | | √ | √ | OK/DL | Acetate ↑ RR 200x |
| 1-10 | je2661-3 | 5w55833 | MS88187 | STD | a664 | 400 | 1 | | √ | √ | OK | |
| 1-11 | je2661-4 | 5w55834 | MS88187 | STD | m116 | 400 | 1 | | √ | √ | OK | |
| 1-12 | je2661-5 | 5w55835 | MS88187 | STD | a2137 | 400 | 1 | | √ | √ | OK | |
| 1-13 | je2792-1 | 5w55836 | MS88386 | STD | a738 | 400 | 1 | | √ | √ | OK | |
| 1-14 | je2792-2 | 5w55837 | MS88386 | STD | a2109 | 400 | 1 | | √ | √ | OK | |
| 1-15 | je2792-3 | 5w55838 | MS88386 | STD | a1817 | 400 | 1 | | √ | √ | OK/DL | Ethyl acetate ↑ RR 100mL |
| 1-16 | je2792-4 | 5w55839 | MS88386 | STD | a1873 | 720 | 1.8 | | √ | √ | OK | |
| 1-2 | je2792-5 | 5w55840 | MS88386 | STD | m137 | 400 | 1 | | | | RR | Canister valve closed. |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/23/2024 | TH | je2491-2 | a1735 | 6.0 | 1.20 | 1.35 | m442 | 1000 | 20 | 14.7 | 2000 | 100 | **135** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Conc. (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2038 | AS10402 | 9/18/2024 | 0.5 |
| TO-15 STD | A2045 | AS10401 | 9/18/2024 | 5.0 |
| TO-15 STD | A1805 | AS10384 | 9/14/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| | | | | |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W305**
**Date: 8/18/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
**Data Validator: Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w07973 | | | A2036 | 100 | | | | | - | |
| 2-1 | bfb | 7w07974 | | | A2038 | 32 | | | | | OK | T = 21:06 |
| 2-1 | ic305-0.04 | 7w07975 | MS80966 | STD+NAP | A2038 | 32 | | | √ | √ | OK | |
| 2-1 | ic305-0.1 | 7w07976 | MS80966 | STD+NAP | A2038 | 80 | | | √ | √ | OK | |
| 2-1 | ic305-0.2 | 7w07977 | MS80966 | STD+NAP | A2038 | 160 | | | √ | √ | OK | |
| 2-2 | ic305-0.5 | 7w07978 | MS80966 | STD+NAP | A2045 | 40 | | | √ | √ | OK | |
| 2-2 | ic305-5 | 7w07979 | MS80966 | STD+NAP | A2045 | 400 | | | √ | √ | OK | |
| 2-3 | icc305-10 | 7w07980 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-3 | ic305-20 | 7w07981 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-3 | ic305-40 | 7w07982 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-3 | ic305-50 | 7w07983 | MS80966 | STD+NAP | A1805 | 400 | | | √ | √ | OK | |
| 2-5 | ib | 7w07984 | | | A2036 | 20 | | | | | - | |
| 2-5 | ib | 7w07985 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07986 | MS80966 | STD+NAP | A1795 | 100 | | | | | NOT USED | Wrong volume. |
| 2-5 | ib | 7w07987 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07988 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07989 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07990 | MS80966 | STD+NAP | A1795 | 80 | | | √ | √ | OK | ↑ Benzyl Chloride |

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## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2041 | AS10458 | 10/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W369**
**Date: 10/25/2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241025.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w09947 | | | a2036 | 20 | | | | | OK | T = 10:24 |
| C2 | cc305-10 | 7w09948 | | | a2041 | 80 | | | | | OK | ↑ Benzyl Chloride |
| C2 | bs | 7w09949 | | | a2041 | 80 | | | | | OK | ↑ Benzyl Chloride |
| C2 | bsd | 7w09950 | | | a2041 | 80 | | | | | OK | ↑ Benzyl Chloride |
| C1 | ib | 7w09951 | | | a2036 | 100 | | | | | - | |
| C1 | mb | 7w09952 | | | a2036 | 400 | | + | | | OK | |
| C3 | jd98542-2 | 7w09953 | MS96396 | STD+, Nap | a2343,a1136 | 400 | 216 | + | | | OK | |
| A1 | jd98542-1 | 7w09954 | MS96396 | STD+, Nap | a2412 | 10 | 1.08 | + | | | OK | |
| A2 | jd98520-2 | 7w09955 | MS96396 | STD | a1906 | 10 | 1 | | | | OK | |
| A3 | jd98520-3 | 7w09956 | MS96396 | STD | a1417 | 20 | 1 | | | | OK | |
| C4 | jd98774-1 | 7w09957 | MS86469 | SL1 | a1832 | 400 | 1 | | | | RR/FD | |
| C4 | jd98774-1dup | 7w09958 | MS86469 | SL1 | a1832 | 400 | 1 | | | | OK | |
| C5 | jd97610-9 | 7w09959 | MS86411 | STD | a309 | 400 | 1 | | | | OK | |
| C6 | jd97610-5 | 7w09960 | MS86411 | STD | a2015 | 400 | 1 | | | | RR/FD | |
| C7 | jd98127-3 | 7w09961 | MS86212 | SL | a2062 | 400 | 1 | | | | OK | |
| C8 | jd98117-1 | 7w09962 | MS86212 | STD, Nap | a324 | 400 | 1 | | | | OK | |
| C9 | jd98117-2 | 7w09963 | MS86212 | STD, Nap | a1826 | 400 | 1 | | | | RR/FD | |
| D1 | jd98117-3 | 7w09964 | MS86212 | STD, Nap | a646 | 400 | 1 | | | | RR/FD | |
| D2 | jd98117-4 | 7w09965 | MS86212 | STD, Nap | a347 | 400 | 1 | | | | RR/FD | |
| A4 | jd98127-1 | 7w09966 | MS86212 | STD | a1943 | 100 | 1 | | | | OK | |
| D9 | jd98127-2 | 7w09967 | MS86212 | STD | a1378 | 100 | 1 | | | | OK | MI on 4-bromofluorobenzene and Chlorobenzene-d5 |
| A6 | jd98636-1 | 7w09968 | MS96396 | STD | a2340 | 100 | 1 | | | | OK | |
| A7 | jd98636-2 | 7w09969 | MS96396 | STD | a2267 | 100 | 1 | | | | OK | |
| A8 | jd98636-3 | 7w09970 | MS96396 | STD | a2583 | 100 | 1 | | | | NG | Bad purged |
| A9 | jd98117-29 | 7w09971 | MS86212 | STD, Nap | a2555 | 20 | 1 | | | | OK | |
| A10 | jd98117-30 | 7w09972 | MS86212 | STD, Nap | a2404 | 100 | 1 | | | | OK | |
| B1 | jd98117-31 | 7w09973 | MS86212 | STD, Nap | a1572 | 10 | 1 | | | | RR/FD | |
| D3 | scc,cp12889 | 7w09974 | | | a2142 | 400 | | | | | RECLEAN | |
| D4 | scc,cp12889 | 7w09975 | | | a1088 | 400 | | | | | RECLEAN | |
| D5 | scc,cp12889 | 7w09976 | | | a1638 | 400 | | | | | OK | |
| D6 | scc,cp12902 | 7w09977 | | | m139 | 400 | | | | | OK | |
| D7 | scc,cp12902 | 7w09978 | | | a1731 | 400 | | | | | OK | |
| D8 | scc,cp12902 | 7w09979 | | | a1725 | 400 | | | | | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 10/24/2024 | TH | jd98542-2 | a2343 | 0.0 | 1.20 | 1.08 | a1136 | 1000 | 10 | 14.7 | 2000 | 200 | **216** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2041 | AS10458 | 10/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W369**
**Date:** **10/25/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241025.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W387**
**Date: 11/18//2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10575 | | | a2039 | 20 | | | | | OK | t = 08:59 |
| C2 | cc305-10 | 7w10576 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑ |
| C2 | bs | 7w10577 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C2 | bsd | 7w10578 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C1 | ib | 7w10579 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10580 | | | a2039 | 400 | | + | √ | √ | OK | |
| C3 | je571-1 | 7w10581 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | RR | Bad purge |
| C4 | jd99820-1 | 7w10582 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C4 | jd99820-1dup | 7w10583 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C5 | je569-1 | 7w10584 | MS87221 | STD+, Nap | a473 | 400 | 1 | + | √ | √ | OK | |
| C6 | je569-3 | 7w10585 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | RR | Bad purge |
| C7 | je569-4 | 7w10586 | MS87221 | STD+, Nap | a1835 | 400 | 1 | + | √ | √ | OK | |
| C8 | je569-5 | 7w10587 | MS87221 | STD+, Nap | a1350 | 400 | 1 | + | √ | √ | OK | |
| C9 | je569-6 | 7w10588 | MS87221 | STD+, Nap | a1301 | 400 | 1 | + | √ | √ | OK | |
| D1 | je569-8 | 7w10589 | MS87221 | STD+, Nap | m226 | 400 | 1 | + | | | RR | 4-Bromofluorobenzene RT shift |
| D2 | je569-9 | 7w10590 | MS87221 | STD+, Nap | m118 | 400 | 1 | + | √ | √ | OK | |
| D3 | je603-1 | 7w10591 | MS87221 | STD+, Nap | a1645 | 400 | 1 | + | √ | √ | OK | |
| D4 | je603-2 | 7w10592 | MS87221 | STD+, Nap | a357 | 400 | 1 | + | √ | √ | OK | |
| C3 | je571-1 | 7w10593 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | OK | |
| A1 | jd435-1 | 7w10594 | MS87175 | STD, Nap | a1972 | 100 | 1 | | √ | √ | OK | |
| A2 | jd435-5 | 7w10595 | MS87175 | STD, Nap | a2269 | 100 | 1 | | √ | √ | OK | |
| A3 | jd435-6 | 7w10596 | MS87175 | STD, Nap | a2569 | 100 | 1 | | √ | √ | OK | |
| A4 | jd605-1 | 7w10597 | MS87221 | STD, Nap | a2586 | 100 | 1 | | √ | √ | OK | |
| A5 | jd605-2 | 7w10598 | MS87221 | STD, Nap | a2596 | 100 | 1 | | √ | √ | OK | |
| A6 | jd605-3 | 7w10599 | MS87221 | STD, Nap | a2271 | 100 | 1 | | √ | √ | OK | |
| A7 | jd99809-1 | 7w10600 | MS86930 | PAUGTMB, EDB, EDC | a1524 | 100 | 1 | | √ | √ | RR | ISTD/SURR RT shift |
| A8 | jd99809-2 | 7w10601 | MS86930 | PAUGTMB, EDB, EDC | a2305 | 100 | 1 | | √ | √ | OK | |
| A9 | jd99809-3 | 7w10602 | MS86930 | PAUGTMB, EDB, EDC | a2198 | 100 | 1 | | √ | √ | OK | |
| A10 | scc, cp12923 | 7w10603 | | | a2567 | 100 | | | √ | √ | OK | |
| B1 | scc, cp12924 | 7w10604 | | | a1450 | 100 | | | √ | √ | OK | |
| D5 | scc, cp12922 | 7w10605 | | | a779 | 400 | | | √ | √ | OK | |
| D6 | scc, cp12922 | 7w10606 | | | a1171 | 400 | | | √ | √ | OK | |
| D7 | scc, cp12922 | 7w10607 | | | m053 | 400 | | | √ | √ | OK | |
| C6 | je569-3 | 7w10608 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | OK | 6:51 |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
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SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W387**
**Date:** **11/18//2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
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| | |
|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. |
| **Notes:** | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10742 | | | a2039 | 20 | | | | | OK | t = 08:36 |
| C2 | cc305-10 | 7w10743 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bs | 7w10744 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bsd | 7w10745 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C1 | ib | 7w10746 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10747 | | | a2039 | 100 | | | √ | √ | OK | |
| D1 | je988-1 | 7w10748 | MS87406 | STD | a673 | 5 | 1 | | √ | √ | OK | |
| D2 | je988-2 | 7w10749 | MS87406 | STD | a1091 | 5 | 1 | | √ | √ | OK | |
| D3 | je988-3 | 7w10750 | MS87406 | STD | a845 | 5 | 1 | | √ | √ | OK | |
| D4 | je988-4 | 7w10751 | MS87406 | STD | a1318 | 5 | 1 | | √ | √ | OK | |
| D5 | je988-5 | 7w10752 | MS87406 | STD | a992 | 400 | 1 | | √ | √ | OK | |
| A1 | je994-1 | 7w10753 | MS87406 | SL | a2210 | 80 | 1 | | ↑3 | | RR | surr out; istd out |
| A2 | je994-2 | 7w10754 | MS87406 | SL | a2300 | 100 | 1 | | √ | √ | OK | |
| A2 | je994-2dup | 7w10755 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A2 | je994-2dup | 7w10756 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A3 | je1061-1 | 7w10757 | MS87455 | SL | a2253 | 20 | 1 | | √ | √ | OK | |
| A4 | je1061-3 | 7w10758 | MS87455 | SL | a2380 | 10 | 1 | | √ | √ | RR/FD | |
| A5 | je1061-4 | 7w10759 | MS87455 | SL | a2243 | 10 | 1 | | √ | √ | RR/FD | |
| A6 | je1061-5 | 7w10760 | MS87455 | SL | a2225 | 5 | 1 | | √ | √ | RR/FD | |
| A7 | je1061-7 | 7w10761 | MS87455 | SL | a2287 | 10 | 1 | | √ | √ | RR/FD | |
| C1 | ib | 7w10762 | | | a2039 | 20 | | | | | - | |
| A8 | je1061-2 | 7w10763 | MS87455 | SL | a2431 | 100 | 1 | | √ | √ | OK | |
| A9 | je1061-9 | 7w10764 | MS87455 | SL | a2209 | 100 | 1 | | √ | √ | OK | |
| A10 | je1061-10 | 7w10765 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |
| D6 | je1061-6 | 7w10766 | MS87455 | SL | a2581,m163 | 400 | 260 | | √ | √ | OK | |
| D7 | je1061-8 | 7w10767 | MS87455 | SL | a2587,a1758 | 400 | 266 | | √ | √ | OK | |
| C3 | je369-3 | 7w10768 | MS87131 | SL3 | a233 | 400 | 1 | | √ | √ | OK | |
| C4 | je369-4 | 7w10769 | MS87131 | SL3 | a2160 | 400 | 1 | | √ | √ | RR | low ISTD |
| C5 | je369-5 | 7w10770 | MS87131 | SL3 | a216 | 400 | 1 | | √ | √ | RR | RT shift |
| A1 | je994-1 | 7w10771 | MS87406 | SL | a2210 | 100 | 1 | | √ | √ | OK | |
| C6 | scc,cp12920 | 7w10772 | | | a1623 | 400 | | | √ | √ | OK | |
| C7 | scc,cp12920 | 7w10773 | | | a1689 | 400 | | | √ | √ | OK | |
| C8 | scc,cp12920 | 7w10774 | | | a2010 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12920 | 7w10775 | | | a2095 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12926 | 7w10776 | | | a2187 | 400 | | | √ | √ | RECLEAN | |
| D8 | scc,cp12926 | 7w10777 | | | a1858 | 400 | | | √ | √ | OK | |
| D9 | scc,cp12926 | 7w10778 | | | a2144 | 400 | | | √ | √ | RECLEAN | |
| A10 | je1061-10dup | 7w10779 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 11/25/2024 | wc | je1061-6 | a2581 | 5.0 | 1.20 | 1.30 | m163 | 6000 | 50 | 9.8 | 10000 | 200 | **260** |
| 11/25/2024 | wc | je1061-8 | a2587 | 5.5 | 1.20 | 1.33 | a1758 | 6000 | 50 | 9.8 | 10000 | 200 | **266** |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*
*Automated Report*

Technical Report for

Groundwater & Environmental Services

Regency Center Carmel ShopRite Plaza, Carmel, NY

1192323-02-210-1111

SGS Job Number: JE2491

Sampling Date: 12/10/24

Report to:

Groundwater & Environmental Services
63 East Street Suite 3
Pawling, NY 12564
MDegloria@GESOnline.com; neregion@gesonline.com

ATTN: Michael DeGloria

Total number of pages in report: **838**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Olga Azarian
Technical Director

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SGS North America Inc.

# Sample Summary

Groundwater & Environmental Services

**Job No:** JE2491

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Collected Date | Time | By | Received | Matrix Code | Type | Client Sample ID |
|---|---|---|---|---|---|---|---|
| JE2491-1 | 12/10/24 | 18:05 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-3 |
| JE2491-2 | 12/10/24 | 18:06 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-3 |
| JE2491-3 | 12/10/24 | 18:12 | RB | 12/12/24 | AIR | Soil Vapor Comp. | SS-4 |
| JE2491-4 | 12/10/24 | 18:15 | RB | 12/12/24 | AIR | Indoor Air Comp. | IA-4 |

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the RL

# CASE NARRATIVE / CONFORMANCE SUMMARY

| | | | |
|---|---|---|---|
| **Client:** | Groundwater & Environmental Services | **Job No:** | JE2491 |
| **Site:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | **Report Date** | 1/9/2025 8:45:18 AM |

On 12/12/2024, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. An SGS Job Number of JE2491 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2133

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2488-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Methyl ethyl ketone are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- V5W2133-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-2 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2133-BS for Methyl ethyl ketone: Outside in house control limits.
- V5W2133-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2133-BS for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-2 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR **Batch ID:** V5W2136

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JE2665-1DUP were used as the QC samples indicated.
- Sample(s) JE2491-3 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- The duplicate RPD(s) for 1,2,4-Trichlorobenzene, Naphthalene, o-Dichlorobenzene, Trichloroethylene are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- V5W2136-BS for 1,3-Butadiene: Outside in house control limits.
- V5W2136-BS for Tetrahydrofuran: Outside in house control limits.
- V5W2136-BS for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2136-BS for 1,2,4-Trichlorobenzene: Outside in house control limits.
- JE2491-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- V5W2136-BS for Acetone (2-Propanone): Outside in house control limits.
- V5W2136-BS for Methyl ethyl ketone: Outside in house control limits.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V5W2136

- JE2491-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2491-3 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-3 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2491-3 for Methyl ethyl ketone: Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-3 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V5W2136-BS for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- JE2491-3 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for 1,2,4-Trichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Acetone (2-Propanone): Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
- JE2491-1 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JE2491-1 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Chloroethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Bromomethane: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Vinyl Acetate: This compound in blank spike duplicate is outside in house QC limits bias high.
- JE2491-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-2 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-1 for Methyl ethyl ketone: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JE2491-3 for Ethanol: This compound in blank spike duplicate is outside in house QC limits bias low.
- JE2491-1 for Ethyl Acetate: Associated CCV outside of control limits high.
- JE2491-1 for Tetrahydrofuran: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR **Batch ID:** V5W2138

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2315-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

**Matrix:** AIR **Batch ID:** V7W414

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE2792-5DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

## MS Volatiles By Method TO-15

**Matrix:** AIR **Batch ID:** V7W415

- All samples were analyzed within the recommended method holding time.
- Sample(s) JE3433-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

# Summary of Hits

**Job Number:** JE2491
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| **JE2491-1** | **SS-3** | | | | | |
| Acetone (2-Propanone) [a] | | 141 | 0.80 | | ppbv | TO-15 |
| Ethanol [b] | | 39.2 | 2.0 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 13.8 | 0.80 | | ppbv | TO-15 |
| Heptane | | 1.4 | 0.80 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 6.8 | 0.80 | | ppbv | TO-15 |
| Methylmethacrylate | | 38.0 | 0.80 | | ppbv | TO-15 |
| Tetrachloroethylene | | 24.2 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 41.7 | 0.40 | | ppbv | TO-15 |
| Acetone (2-Propanone) [a] | | 335 | 1.9 | | ug/m3 | TO-15 |
| Ethanol [b] | | 73.9 | 3.8 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 49.7 | 2.9 | | ug/m3 | TO-15 |
| Heptane | | 5.7 | 3.3 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 17 | 2.0 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 156 | 3.3 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 164 | 1.1 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 234 | 2.2 | | ug/m3 | TO-15 |
| **JE2491-2** | **IA-3** | | | | | |
| Acetone (2-Propanone) | | 1190 | 54 | | ppbv | TO-15 |
| Benzene | | 0.67 | 0.16 | | ppbv | TO-15 |
| Chloroform | | 0.37 | 0.16 | | ppbv | TO-15 |
| Chloromethane | | 0.67 | 0.16 | | ppbv | TO-15 |
| Carbon tetrachloride | | 0.10 | 0.032 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.51 | 0.16 | | ppbv | TO-15 |
| Ethanol [b] | | 939 | 20 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 160 | 8.0 | | ppbv | TO-15 |
| Heptane | | 15.8 | 0.16 | | ppbv | TO-15 |
| Hexane | | 0.69 | 0.16 | | ppbv | TO-15 |
| 2-Hexanone | | 0.18 | 0.16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 105 | 8.0 | | ppbv | TO-15 |
| Methylene chloride | | 0.65 | 0.16 | | ppbv | TO-15 |
| Methyl ethyl ketone [d] | | 1.4 | 0.16 | | ppbv | TO-15 |
| Methylmethacrylate | | 858 | 8.0 | | ppbv | TO-15 |
| 2,2,4-Trimethylpentane | | 0.22 | 0.16 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 0.73 | 0.16 | | ppbv | TO-15 |
| Tetrachloroethylene | | 0.037 | 0.032 | | ppbv | TO-15 |
| Toluene | | 2.5 | 0.16 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.60 | 0.080 | | ppbv | TO-15 |
| Vinyl Acetate | | 0.47 | 0.16 | | ppbv | TO-15 |
| m,p-Xylene | | 0.36 | 0.16 | | ppbv | TO-15 |
| Xylenes (total) | | 0.51 | 0.16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 2830 | 130 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2491
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Benzene | | 2.1 | 0.51 | | ug/m3 | TO-15 |
| Chloroform | | 1.8 | 0.78 | | ug/m3 | TO-15 |
| Chloromethane | | 1.4 | 0.33 | | ug/m3 | TO-15 |
| Carbon tetrachloride | | 0.63 | 0.20 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.5 | 0.79 | | ug/m3 | TO-15 |
| Ethanol [b] | | 1770 | 38 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 576 | 29 | | ug/m3 | TO-15 |
| Heptane | | 64.8 | 0.66 | | ug/m3 | TO-15 |
| Hexane | | 2.4 | 0.56 | | ug/m3 | TO-15 |
| 2-Hexanone | | 0.74 | 0.65 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 258 | 20 | | ug/m3 | TO-15 |
| Methylene chloride | | 2.3 | 0.56 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [d] | | 4.1 | 0.47 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 3510 | 33 | | ug/m3 | TO-15 |
| 2,2,4-Trimethylpentane | | 1.0 | 0.75 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 2.2 | 0.49 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 0.25 | 0.22 | | ug/m3 | TO-15 |
| Toluene | | 9.4 | 0.60 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 3.4 | 0.45 | | ug/m3 | TO-15 |
| Vinyl Acetate | | 1.7 | 0.56 | | ug/m3 | TO-15 |
| m,p-Xylene | | 1.6 | 0.69 | | ug/m3 | TO-15 |
| Xylenes (total) | | 2.2 | 0.69 | | ug/m3 | TO-15 |
| **JE2491-3** | **SS-4** | | | | | |
| Acetone (2-Propanone) [a] | | 74.9 | 0.40 | | ppbv | TO-15 |
| Dichlorodifluoromethane | | 0.49 | 0.40 | | ppbv | TO-15 |
| Ethanol [b] | | 175 E | 1.0 | | ppbv | TO-15 |
| Ethyl Acetate [c] | | 8.7 | 0.40 | | ppbv | TO-15 |
| Heptane | | 0.93 | 0.40 | | ppbv | TO-15 |
| Hexane | | 2.4 | 0.40 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 60.9 | 0.40 | | ppbv | TO-15 |
| Methylene chloride | | 3.0 | 0.40 | | ppbv | TO-15 |
| Methyl ethyl ketone [d] | | 2.3 | 0.40 | | ppbv | TO-15 |
| Methylmethacrylate | | 11.8 | 0.40 | | ppbv | TO-15 |
| Tertiary Butyl Alcohol | | 5.3 | 0.40 | | ppbv | TO-15 |
| Tetrachloroethylene | | 1.1 | 0.080 | | ppbv | TO-15 |
| Toluene | | 0.56 | 0.40 | | ppbv | TO-15 |
| Trichloroethylene | | 0.093 | 0.080 | | ppbv | TO-15 |
| Trichlorofluoromethane | | 0.80 | 0.20 | | ppbv | TO-15 |
| Vinyl Acetate [e] | | 0.94 | 0.40 | | ppbv | TO-15 |
| Acetone (2-Propanone) [a] | | 178 | 0.95 | | ug/m3 | TO-15 |
| Dichlorodifluoromethane | | 2.4 | 2.0 | | ug/m3 | TO-15 |
| Ethanol [b] | | 330 E | 1.9 | | ug/m3 | TO-15 |
| Ethyl Acetate [c] | | 31 | 1.4 | | ug/m3 | TO-15 |

# Summary of Hits

**Job Number:** JE2491
**Account:** Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Collected:** 12/10/24



| Lab Sample ID / Analyte | Client Sample ID | Result/ Qual | RL | MDL | Units | Method |
|---|---|---|---|---|---|---|
| Heptane | | 3.8 | 1.6 | | ug/m3 | TO-15 |
| Hexane | | 8.5 | 1.4 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 150 | 0.98 | | ug/m3 | TO-15 |
| Methylene chloride | | 10 | 1.4 | | ug/m3 | TO-15 |
| Methyl ethyl ketone [d] | | 6.8 | 1.2 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 48.3 | 1.6 | | ug/m3 | TO-15 |
| Tertiary Butyl Alcohol | | 16 | 1.2 | | ug/m3 | TO-15 |
| Tetrachloroethylene | | 7.5 | 0.54 | | ug/m3 | TO-15 |
| Toluene | | 2.1 | 1.5 | | ug/m3 | TO-15 |
| Trichloroethylene | | 0.50 | 0.43 | | ug/m3 | TO-15 |
| Trichlorofluoromethane | | 4.5 | 1.1 | | ug/m3 | TO-15 |
| Vinyl Acetate [e] | | 3.3 | 1.4 | | ug/m3 | TO-15 |
| **JE2491-4** | **IA-4** | | | | | |
| Acetone (2-Propanone) | | 2450 | 29 | | ppbv | TO-15 |
| Ethanol | | 1030 | 40 | | ppbv | TO-15 |
| Ethyl Acetate | | 128 | 16 | | ppbv | TO-15 |
| Heptane | | 16.0 | 16 | | ppbv | TO-15 |
| Isopropyl Alcohol | | 103 | 16 | | ppbv | TO-15 |
| Methylmethacrylate | | 439 | 16 | | ppbv | TO-15 |
| Acetone (2-Propanone) | | 5820 | 69 | | ug/m3 | TO-15 |
| Ethanol | | 1940 | 75 | | ug/m3 | TO-15 |
| Ethyl Acetate | | 461 | 58 | | ug/m3 | TO-15 |
| Isopropyl Alcohol | | 253 | 39 | | ug/m3 | TO-15 |
| Methylmethacrylate | | 1800 | 66 | | ug/m3 | TO-15 |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike duplicate is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high.
(d) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(e) This compound in blank spike duplicate is outside in house QC limits bias high.

## Sample Results

Report of Analysis

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-3 | | |
| **Lab Sample ID:** | JE2491-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1726 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55795.D | 1 | 12/21/24 02:30 | TCH | n/a | n/a | V5W2136 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 100 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) [a] | 141 | 0.80 | ppbv | | 335 | 1.9 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene [b] | ND | 0.80 | ppbv | | ND | 1.8 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | ND | 0.80 | ppbv | | ND | 2.6 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.40 | ppbv | | ND | 2.7 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [c] | ND | 0.16 | ppbv | | ND | 1.7 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane [d] | ND | 0.80 | ppbv | | ND | 3.1 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.80 | ppbv | | ND | 4.1 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.80 | ppbv | | ND | 2.5 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane [d] | ND | 0.80 | ppbv | | ND | 2.1 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.80 | ppbv | | ND | 1.7 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.80 | ppbv | | ND | 2.5 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.80 | ppbv | | ND | 4.1 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.16 | ppbv | | ND | 1.0 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.40 | ppbv | | ND | 3.1 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.80 | ppbv | | ND | 2.9 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | ND | 0.80 | ppbv | | ND | 4.0 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.40 | ppbv | | ND | 3.4 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.80 | ppbv | | ND | 3.2 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.80 | ppbv | | ND | 3.6 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.40 | ppbv | | ND | 2.4 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.16 | ppbv | | ND | 0.96 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.40 | ppbv | | ND | 2.4 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.80 | ppbv | | ND | 3.6 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-3 | | |
| **Lab Sample ID:** | JE2491-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1726 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol [d] | 39.2 | 2.0 | ppbv | | 73.9 | 3.8 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 13.8 | 0.80 | ppbv | | 49.7 | 2.9 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.40 | ppbv | | ND | 3.1 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.40 | ppbv | | ND | 2.8 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 1.4 | 0.80 | ppbv | | 5.7 | 3.3 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.36 | ppbv | | ND | 3.8 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 6.8 | 0.80 | ppbv | | 17 | 2.0 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [c] | ND | 0.80 | ppbv | | ND | 2.4 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.80 | ppbv | | ND | 3.3 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.80 | ppbv | | ND | 2.9 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 38.0 | 0.80 | ppbv | | 156 | 3.3 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.80 | ppbv | | ND | 4.2 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 2.0 | ppbv | | ND | 3.4 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.80 | ppbv | | ND | 3.4 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.40 | ppbv | | ND | 2.2 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.40 | ppbv | | ND | 2.7 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.40 | ppbv | | ND | 2.2 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [c] | ND | 0.40 | ppbv | | ND | 3.0 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.80 | ppbv | | ND | 3.9 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.80 | ppbv | | ND | 3.7 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | ND | 0.80 | ppbv | | ND | 2.4 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 24.2 | 0.16 | ppbv | | 164 | 1.1 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.80 | ppbv | | ND | 2.4 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | ND | 0.80 | ppbv | | ND | 3.0 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.16 | ppbv | | ND | 0.86 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 41.7 | 0.40 | ppbv | | 234 | 2.2 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.16 | ppbv | | ND | 0.41 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [f] | ND | 0.80 | ppbv | | ND | 2.8 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.80 | ppbv | | ND | 3.5 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-3 | | |
| **Lab Sample ID:** | JE2491-1 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1726 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 111% | | 65-128% |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





**Client Sample ID:** IA-3
**Lab Sample ID:** JE2491-2 **Date Sampled:** 12/10/24
**Matrix:** AIR - Indoor Air Comp. Summa ID: A1735,M442 **Date Received:** 12/12/24
**Method:** TO-15 **Percent Solids:** n/a
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55722.D | 1 | 12/18/24 13:30 | TCH | n/a | n/a | V5W2133 |
| Run #2 | 5W55796.D | 1 | 12/21/24 03:11 | TCH | n/a | n/a | V5W2136 |
| Run #3 | 5W55831.D | 135 | 12/23/24 19:43 | TCH | n/a | n/a | V5W2138 |

| | Initial Volume |
|---|---|
| Run #1 | 500 ml |
| Run #2 | 10.0 ml |
| Run #3 | 200 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 1190 [a] | 54 | ppbv | | 2830 [a] | 130 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 0.16 | ppbv | | ND | 0.35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | 0.67 | 0.16 | ppbv | | 2.1 | 0.51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.080 | ppbv | | ND | 0.54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [b] | ND | 0.032 | ppbv | | ND | 0.33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 0.16 | ppbv | | ND | 0.62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.16 | ppbv | | ND | 0.70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.16 | ppbv | | ND | 0.82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 0.16 | ppbv | | ND | 0.42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | 0.37 | 0.16 | ppbv | | 1.8 | 0.78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | 0.67 | 0.16 | ppbv | | 1.4 | 0.33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.16 | ppbv | | ND | 0.50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.16 | ppbv | | ND | 0.83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | 0.10 | 0.032 | ppbv | | 0.63 | 0.20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.16 | ppbv | | ND | 0.55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.16 | ppbv | | ND | 0.65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.16 | ppbv | | ND | 0.74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.51 | 0.16 | ppbv | | 2.5 | 0.79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.080 | ppbv | | ND | 0.68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.16 | ppbv | | ND | 0.63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.032 | ppbv | | ND | 0.13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.032 | ppbv | | ND | 0.19 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-3 | | |
| **Lab Sample ID:** | JE2491-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1735,M442 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.16 | ppbv | | ND | 0.73 | ug/m3 |
| 64-17-5 | 46.07 | Ethanol [c] | 939 [d] | 20 | ppbv | | 1770 [d] | 38 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 160 [d] | 8.0 | ppbv | | 576 [d] | 29 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.080 | ppbv | | ND | 0.61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.080 | ppbv | | ND | 0.56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 15.8 | 0.16 | ppbv | | 64.8 | 0.66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [b] | ND | 0.072 | ppbv | | ND | 0.77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 0.69 | 0.16 | ppbv | | 2.4 | 0.56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | 0.18 | 0.16 | ppbv | | 0.74 | 0.65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 105 [d] | 8.0 | ppbv | | 258 [d] | 20 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 0.65 | 0.16 | ppbv | | 2.3 | 0.56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [f] | 1.4 | 0.16 | ppbv | | 4.1 | 0.47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.16 | ppbv | | ND | 0.66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.16 | ppbv | | ND | 0.58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 858 [d] | 8.0 | ppbv | | 3510 [d] | 33 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.16 | ppbv | | ND | 0.84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 0.40 | ppbv | | ND | 0.69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.16 | ppbv | | ND | 0.68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.080 | ppbv | | ND | 0.55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.080 | ppbv | | ND | 0.44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [b] | ND | 0.080 | ppbv | | ND | 0.59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.16 | ppbv | | ND | 0.79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | 0.22 | 0.16 | ppbv | | 1.0 | 0.75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 0.73 | 0.16 | ppbv | | 2.2 | 0.49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 0.037 | 0.032 | ppbv | | 0.25 | 0.22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [b] | ND | 0.16 | ppbv | | ND | 0.47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 2.5 | 0.16 | ppbv | | 9.4 | 0.60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 0.032 | ppbv | | ND | 0.17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.60 | 0.080 | ppbv | | 3.4 | 0.45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.032 | ppbv | | ND | 0.082 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | 0.47 | 0.16 | ppbv | | 1.7 | 0.56 | ug/m3 |
| | 106.2 | m,p-Xylene | 0.36 | 0.16 | ppbv | | 1.6 | 0.69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.16 | ppbv | | ND | 0.69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | 0.51 | 0.16 | ppbv | | 2.2 | 0.69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-3 | | |
| **Lab Sample ID:** | JE2491-2 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1735,M442 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Run# 3 | Limits |
|---|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 118% | 111% | 107% | 65-128% |

(a) Result is from Run# 3
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike duplicate is outside in house QC limits bias low.
(d) Result is from Run# 2
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-4 | | |
| **Lab Sample ID:** | JE2491-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1480 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 5W55797.D | 1 | 12/21/24 03:54 | TCH | n/a | n/a | V5W2136 |
| Run #2 | | | | | | | |

| | Initial Volume |
|---|---|
| Run #1 | 200 ml |
| Run #2 | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) [a] | 74.9 | 0.40 | ppbv | | 178 | 0.95 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene [b] | ND | 0.40 | ppbv | | ND | 0.88 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | ND | 0.40 | ppbv | | ND | 1.3 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform [c] | ND | 0.080 | ppbv | | ND | 0.83 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane [d] | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 0.40 | ppbv | | ND | 2.1 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 0.40 | ppbv | | ND | 1.2 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 0.40 | ppbv | | ND | 1.8 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane [d] | ND | 0.40 | ppbv | | ND | 1.1 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 0.40 | ppbv | | ND | 2.0 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 0.40 | ppbv | | ND | 0.83 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 0.40 | ppbv | | ND | 1.3 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 0.40 | ppbv | | ND | 2.1 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 0.080 | ppbv | | ND | 0.50 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 0.40 | ppbv | | ND | 1.4 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 0.080 | ppbv | | ND | 0.32 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 0.40 | ppbv | | ND | 1.8 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 0.40 | ppbv | | ND | 1.4 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | 0.49 | 0.40 | ppbv | | 2.4 | 2.0 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 0.080 | ppbv | | ND | 0.32 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 0.40 | ppbv | | ND | 1.8 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 0.080 | ppbv | | ND | 0.48 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 0.40 | ppbv | | ND | 1.8 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-4 | | |
| **Lab Sample ID:** | JE2491-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1480 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol [d] | 175 | 1.0 | ppbv | E | 330 | 1.9 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate [e] | 8.7 | 0.40 | ppbv | | 31 | 1.4 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 0.40 | ppbv | | ND | 2.0 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 0.93 | 0.40 | ppbv | | 3.8 | 1.6 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene [c] | ND | 0.18 | ppbv | | ND | 1.9 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | 2.4 | 0.40 | ppbv | | 8.5 | 1.4 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 60.9 | 0.40 | ppbv | | 150 | 0.98 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | 3.0 | 0.40 | ppbv | | 10 | 1.4 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone [f] | 2.3 | 0.40 | ppbv | | 6.8 | 1.2 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 0.40 | ppbv | | ND | 1.6 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 0.40 | ppbv | | ND | 1.4 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 11.8 | 0.40 | ppbv | | 48.3 | 1.6 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 0.40 | ppbv | | ND | 2.1 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 1.0 | ppbv | | ND | 1.7 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene [c] | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 0.40 | ppbv | | ND | 2.0 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 0.40 | ppbv | | ND | 2.0 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 0.40 | ppbv | | ND | 1.9 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | 5.3 | 0.40 | ppbv | | 16 | 1.2 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | 1.1 | 0.080 | ppbv | | 7.5 | 0.54 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran [c] | ND | 0.40 | ppbv | | ND | 1.2 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | 0.56 | 0.40 | ppbv | | 2.1 | 1.5 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | 0.093 | 0.080 | ppbv | | 0.50 | 0.43 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | 0.80 | 0.20 | ppbv | | 4.5 | 1.1 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 0.080 | ppbv | | ND | 0.20 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate [g] | 0.94 | 0.40 | ppbv | | 3.3 | 1.4 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 0.40 | ppbv | | ND | 1.7 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | SS-4 | | |
| **Lab Sample ID:** | JE2491-3 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Soil Vapor Comp. Summa ID: A1480 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | | 65-128% |

(a) Associated CCV outside of control limits low. This compound in blank spike is outside in house QC limits bias low.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike duplicate is outside in house QC limits bias low.
(e) Associated CCV outside of control limits high.
(f) Associated CCV outside of control limits high. This compound in blank spike is outside in house QC limits bias high.
(g) This compound in blank spike duplicate is outside in house QC limits bias high.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-4 | | |
| **Lab Sample ID:** | JE2491-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1688,M143 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

| | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| Run #1 | 7W11545.D | 1 | 01/07/25 03:36 | BK | n/a | n/a | V7W414 |
| Run #2 | 7W11594.D | 143 | 01/08/25 20:22 | BK | n/a | n/a | V7W415 |

| | Initial Volume |
|---|---|
| Run #1 | 5.0 ml |
| Run #2 | 400 ml |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | 58.08 | Acetone (2-Propanone) | 2450 [a] | 29 | ppbv | | 5820 [a] | 69 | ug/m3 |
| 106-99-0 | 54.09 | 1,3-Butadiene | ND | 16 | ppbv | | ND | 35 | ug/m3 |
| 71-43-2 | 78.11 | Benzene | ND | 16 | ppbv | | ND | 51 | ug/m3 |
| 75-27-4 | 163.8 | Bromodichloromethane | ND | 8.0 | ppbv | | ND | 54 | ug/m3 |
| 75-25-2 | 252.8 | Bromoform | ND | 3.2 | ppbv | | ND | 33 | ug/m3 |
| 74-83-9 | 94.94 | Bromomethane | ND | 16 | ppbv | | ND | 62 | ug/m3 |
| 593-60-2 | 106.9 | Bromoethene | ND | 16 | ppbv | | ND | 70 | ug/m3 |
| 100-44-7 | 126 | Benzyl Chloride | ND | 16 | ppbv | | ND | 82 | ug/m3 |
| 75-15-0 | 76.14 | Carbon disulfide | ND | 16 | ppbv | | ND | 50 | ug/m3 |
| 108-90-7 | 112.6 | Chlorobenzene | ND | 16 | ppbv | | ND | 74 | ug/m3 |
| 75-00-3 | 64.52 | Chloroethane | ND | 16 | ppbv | | ND | 42 | ug/m3 |
| 67-66-3 | 119.4 | Chloroform | ND | 16 | ppbv | | ND | 78 | ug/m3 |
| 74-87-3 | 50.49 | Chloromethane | ND | 16 | ppbv | | ND | 33 | ug/m3 |
| 107-05-1 | 76.53 | 3-Chloropropene | ND | 16 | ppbv | | ND | 50 | ug/m3 |
| 95-49-8 | 126.6 | 2-Chlorotoluene | ND | 16 | ppbv | | ND | 83 | ug/m3 |
| 56-23-5 | 153.8 | Carbon tetrachloride | ND | 3.2 | ppbv | | ND | 20 | ug/m3 |
| 110-82-7 | 84.16 | Cyclohexane | ND | 16 | ppbv | | ND | 55 | ug/m3 |
| 75-34-3 | 98.96 | 1,1-Dichloroethane | ND | 16 | ppbv | | ND | 65 | ug/m3 |
| 75-35-4 | 96.94 | 1,1-Dichloroethylene | ND | 3.2 | ppbv | | ND | 13 | ug/m3 |
| 106-93-4 | 187.9 | 1,2-Dibromoethane (EDB) | ND | 8.0 | ppbv | | ND | 61 | ug/m3 |
| 107-06-2 | 98.96 | 1,2-Dichloroethane | ND | 16 | ppbv | | ND | 65 | ug/m3 |
| 78-87-5 | 113 | 1,2-Dichloropropane | ND | 16 | ppbv | | ND | 74 | ug/m3 |
| 123-91-1 | 88.12 | 1,4-Dioxane | ND | 16 | ppbv | | ND | 58 | ug/m3 |
| 75-71-8 | 120.9 | Dichlorodifluoromethane | ND | 16 | ppbv | | ND | 79 | ug/m3 |
| 124-48-1 | 208.3 | Dibromochloromethane | ND | 8.0 | ppbv | | ND | 68 | ug/m3 |
| 156-60-5 | 96.94 | trans-1,2-Dichloroethylene | ND | 16 | ppbv | | ND | 63 | ug/m3 |
| 156-59-2 | 96.94 | cis-1,2-Dichloroethylene | ND | 3.2 | ppbv | | ND | 13 | ug/m3 |
| 10061-01-5 | 111 | cis-1,3-Dichloropropene | ND | 16 | ppbv | | ND | 73 | ug/m3 |
| 541-73-1 | 147 | m-Dichlorobenzene | ND | 8.0 | ppbv | | ND | 48 | ug/m3 |
| 95-50-1 | 147 | o-Dichlorobenzene | ND | 3.2 | ppbv | | ND | 19 | ug/m3 |
| 106-46-7 | 147 | p-Dichlorobenzene | ND | 8.0 | ppbv | | ND | 48 | ug/m3 |
| 10061-02-6 | 111 | trans-1,3-Dichloropropene | ND | 16 | ppbv | | ND | 73 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-4 | | |
| **Lab Sample ID:** | JE2491-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1688,M143 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | MW | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|---|
| 64-17-5 | 46.07 | Ethanol | 1030 | 40 | ppbv | | 1940 | 75 | ug/m3 |
| 100-41-4 | 106.2 | Ethylbenzene | ND | 16 | ppbv | | ND | 69 | ug/m3 |
| 141-78-6 | 88 | Ethyl Acetate | 128 | 16 | ppbv | | 461 | 58 | ug/m3 |
| 622-96-8 | 120.19 | 4-Ethyltoluene | ND | 16 | ppbv | | ND | 79 | ug/m3 |
| 76-13-1 | 187.4 | Freon 113 | ND | 8.0 | ppbv | | ND | 61 | ug/m3 |
| 76-14-2 | 170.9 | Freon 114 | ND | 8.0 | ppbv | | ND | 56 | ug/m3 |
| 142-82-5 | 100.2 | Heptane | 16.0 | 16 | ppbv | | 65.6 | 66 | ug/m3 |
| 87-68-3 | 260.8 | Hexachlorobutadiene | ND | 7.2 | ppbv | | ND | 77 | ug/m3 |
| 110-54-3 | 86.18 | Hexane | ND | 16 | ppbv | | ND | 56 | ug/m3 |
| 591-78-6 | 100 | 2-Hexanone | ND | 16 | ppbv | | ND | 65 | ug/m3 |
| 67-63-0 | 60.1 | Isopropyl Alcohol | 103 | 16 | ppbv | | 253 | 39 | ug/m3 |
| 75-09-2 | 84.94 | Methylene chloride | ND | 16 | ppbv | | ND | 56 | ug/m3 |
| 78-93-3 | 72.11 | Methyl ethyl ketone | ND | 16 | ppbv | | ND | 47 | ug/m3 |
| 108-10-1 | 100.2 | Methyl Isobutyl Ketone | ND | 16 | ppbv | | ND | 66 | ug/m3 |
| 1634-04-4 | 88.15 | Methyl Tert Butyl Ether | ND | 16 | ppbv | | ND | 58 | ug/m3 |
| 80-62-6 | 100.12 | Methylmethacrylate | 439 | 16 | ppbv | | 1800 | 66 | ug/m3 |
| 91-20-3 | 128.17 | Naphthalene | ND | 16 | ppbv | | ND | 84 | ug/m3 |
| 115-07-1 | 42 | Propylene | ND | 40 | ppbv | | ND | 69 | ug/m3 |
| 100-42-5 | 104.1 | Styrene | ND | 16 | ppbv | | ND | 68 | ug/m3 |
| 71-55-6 | 133.4 | 1,1,1-Trichloroethane | ND | 8.0 | ppbv | | ND | 44 | ug/m3 |
| 79-34-5 | 167.85 | 1,1,2,2-Tetrachloroethane | ND | 8.0 | ppbv | | ND | 55 | ug/m3 |
| 79-00-5 | 133.4 | 1,1,2-Trichloroethane | ND | 8.0 | ppbv | | ND | 44 | ug/m3 |
| 120-82-1 | 181.5 | 1,2,4-Trichlorobenzene | ND | 8.0 | ppbv | | ND | 59 | ug/m3 |
| 95-63-6 | 120.19 | 1,2,4-Trimethylbenzene | ND | 16 | ppbv | | ND | 79 | ug/m3 |
| 108-67-8 | 120.19 | 1,3,5-Trimethylbenzene | ND | 16 | ppbv | | ND | 79 | ug/m3 |
| 540-84-1 | 114.2 | 2,2,4-Trimethylpentane | ND | 16 | ppbv | | ND | 75 | ug/m3 |
| 75-65-0 | 74.12 | Tertiary Butyl Alcohol | ND | 16 | ppbv | | ND | 49 | ug/m3 |
| 127-18-4 | 165.8 | Tetrachloroethylene | ND | 3.2 | ppbv | | ND | 22 | ug/m3 |
| 109-99-9 | 72.11 | Tetrahydrofuran | ND | 16 | ppbv | | ND | 47 | ug/m3 |
| 108-88-3 | 92.14 | Toluene | ND | 16 | ppbv | | ND | 60 | ug/m3 |
| 79-01-6 | 131.4 | Trichloroethylene | ND | 3.2 | ppbv | | ND | 17 | ug/m3 |
| 75-69-4 | 137.4 | Trichlorofluoromethane | ND | 8.0 | ppbv | | ND | 45 | ug/m3 |
| 75-01-4 | 62.5 | Vinyl chloride | ND | 3.2 | ppbv | | ND | 8.2 | ug/m3 |
| 108-05-4 | 86 | Vinyl Acetate | ND | 16 | ppbv | | ND | 56 | ug/m3 |
| | 106.2 | m,p-Xylene | ND | 16 | ppbv | | ND | 69 | ug/m3 |
| 95-47-6 | 106.2 | o-Xylene | ND | 16 | ppbv | | ND | 69 | ug/m3 |
| 1330-20-7 | 106.2 | Xylenes (total) | ND | 16 | ppbv | | ND | 69 | ug/m3 |

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

# Report of Analysis





| | | | |
|---|---|---|---|
| **Client Sample ID:** | IA-4 | | |
| **Lab Sample ID:** | JE2491-4 | **Date Sampled:** | 12/10/24 |
| **Matrix:** | AIR - Indoor Air Comp. Summa ID: A1688,M143 | **Date Received:** | 12/12/24 |
| **Method:** | TO-15 | **Percent Solids:** | n/a |
| **Project:** | Regency Center Carmel ShopRite Plaza, Carmel, NY | | |

**VOA TO15 List**

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 99% | 99% | 65-128% |

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

## Misc. Forms

# Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle

JE2491

# AIR CHAIN OF CUSTODY

SGS ACCUTEST

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

| FED-EX Tracking # | Bottle Order Control # MM-012624-115 | PAGE 1 OF 1 |
|---|---|---|
| Lab Quote # | Lab Job # | |

**Client / Reporting Information**

Company Name: Groundwater & Environmental Services
Address: 63 East Street, Suite 3
City: Pawling | State: NY | Zip: 12564
Project Contact: Michael DeGloria | E-mail: MDegloria@GESOnline.com
Phone #: 866-839-5195 | Fax #:
Sampler(s) Name(s): R. Brown

**Project Information**

Project Name: Regency Center Carmel ShopRite Plaza, Carmel, NY
Street: 180 Glenida Avenue "CARMEL NAILS"
City: Carmel | State: NY
Project #: 1192323-02-210 -111
Client Purchase Order #:
Invoice to GES, please reference Project #

**Weather Parameters**

Temperature (Fahrenheit)
Start: 40 Maximum: 41
Stop 41 Minimum: 40
Atmospheric Pressure (Inches of Hg)
Start: 30.10 Maximum: 30.00
Stop: 30.00 Minimum: 30.00
Other weather comment:

**Requested Analysis**

| Lab Sample # | Field ID / Point of Collection | Air Type: Indoor(I) Soil Vap(SV) Ambient(A) | Sampling Equipment Info: Canister Serial # | Canister Size 6L or 1L | Flow Controller Serial # | Start Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | Stop Sampling Information: Date | Time (24hr clock) | Canister Pressure ("Hg) | Interior Temp (F) | Sampler Init. | VTO15NYSVLL | VTO15NYLL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SS-3 | SV | A1726 | 6L | 1286 | 12/10/24 | 1010 | 29.5 | 70 | MS | 12/10/24 | 1805 | 5.0 | 70 | MS | X | |
| 2 | IA-3 | I | A1735 | 6L | 1308 | 12/10/24 | 1015 | 26.0 | 70 | MS | 12/10/24 | 1806 | 6.5 | 70 | MS | | X |
| 3 | SS-4 | SV | A1480 | 6L | 775 | 12/10/24 | 1020 | 26.5 | 70 | MS | 12/10/24 | 1812 | 6.0 | 70 | MS | X | |
| 4 | IA-4 | I | A1688 | 6L | 1347 | 12/10/24 | 1023 | 29.0 | 70 | MS | 12/10/24 | 1815 | 4.5 | 70 | MS | | X |

Initial Assessment
Label Verification

**Turnaround Time ( Business days)**

Standard - 15 Days: GES Std
10 Day
5 Day
3 Day
2 Day
1 Day
Other
Approved By:
Date:

**Data Deliverable Information**

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

**Comments / Remarks**

VTO15NYSVLL - soil vapor; VTO15NYLL - indoor/ambient
NYCATB Report

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

| Relinquished by Sampler: 1 | Date Time: 12/10/24 1020 | Received By: 1 LHW ATTACH FEDEX 12/11/24 | Relinquished By: 2 | Date Time: 12/11/24 0830 | Received By: 2 FEDEX |
|---|---|---|---|---|---|
| Relinquished by: 3 FEDEX | Date Time: 12/12/24 1100 | Received By: 3 | Relinquished By: 4 | Date Time: | Received By: 4 |
| Relinquished by: 5 | Date Time: | Received By: 5 | Custody Seal # | | |

# SGS Sample Receipt Summary

**Job Number:** JE2491 **Client:** GROUNDWATER & ENVIRONMENTAL SE **Project:** REGENCY CENTER CARMEL SHOPRITE

**Date / Time Received:** 12/12/2024 11:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

| **Cooler Security** | Y | or | N | | Y | or | N |
|---|---|---|---|---|---|---|---|
| 1. Custody Seals Present: | ☑ | | ☐ | 3. COC Present: | ☑ | | ☐ |
| 2. Custody Seals Intact: | ☑ | | ☐ | 4. Smpl Dates/Time OK | ☑ | | ☐ |

| **Cooler Temperature** | Y | or | N |
|---|---|---|---|
| 1. Temp criteria achieved: | ☐ | | ☐ |
| 2. Cooler temp verification: | N/A | | |
| 3. Cooler media: | N/A | | |
| 4. No. Coolers: | N/A | | |

| **Quality Control Preservation** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Trip Blank present / cooler: | ☐ | | ☑ | ☐ |
| 2. Trip Blank listed on COC: | ☐ | | ☑ | ☐ |
| 3. Samples preserved properly: | ☑ | | ☐ | |
| 4. VOCs headspace free: | ☐ | | ☐ | ☑ |

| **Sample Integrity - Documentation** | Y | or | N |
|---|---|---|---|
| 1. Sample labels present on bottles: | ☑ | | ☐ |
| 2. Container labeling complete: | ☑ | | ☐ |
| 3. Sample container label / COC agree: | ☑ | | ☐ |

| **Sample Integrity - Condition** | Y | or | N |
|---|---|---|---|
| 1. Sample recvd within HT: | ☑ | | ☐ |
| 2. All containers accounted for: | ☑ | | ☐ |
| 3. Condition of sample: | Intact | | |

| **Sample Integrity - Instructions** | Y | or | N | N/A |
|---|---|---|---|---|
| 1. Analysis requested is clear: | ☑ | | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | | ☑ | |
| 3. Sufficient volume recvd for analysis: | ☑ | | ☐ | |
| 4. Compositing instructions clear: | ☐ | | ☐ | ☑ |
| 5. Filtering instructions clear: | ☐ | | ☐ | ☑ |

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

**JE2491: Chain of Custody**
**Page 2 of 2**

# Summa Canister and Flow Controller Log



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Received:** 12/12/24



**SUMMA CANISTERS**

| Shipping | | | | | | | Receiving | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Summa ID | L | Vac " Hg | Date Out | By | SCC Batch | SCC FileID | Sample Number | Date In | By | Vac " Hg | Pres psig | Final psig | Dil Fact |
| A1726 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2491-1 | 12/12/24 | RC | 5 | | | 1 |
| A1735 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2491-2 | 12/12/24 | RC | 6 | | | 1 |
| A1480 | 6 | 29.5 | 12/03/24 | JT | CP12922 | 7W10671.D | JE2491-3 | 12/12/24 | RC | 5.5 | | | 1 |
| A1688 | 6 | 29.5 | 12/03/24 | JT | CP12926 | 7W10778.D | JE2491-4 | 12/12/24 | RC | 5 | | | 1 |

**FLOW CONTROLLERS / OTHER**

| Shipping | | | | | Receiving | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Flow Crtl ID | Date Out | By | cc/ min | Time hrs. | Date In | By | cc/ min | Flow RPD | Equipment Type |
| FC775 | 12/03/24 | JT | 10.4 | 8 | 12/12/24 | RC | 10.4 | 0 | Flow Controller |
| FC1286 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.4 | 1 | Flow Controller |
| FC1308 | 12/03/24 | JT | 10.3 | 8 | 12/12/24 | RC | 10.2 | 1 | Flow Controller |
| FC1347 | 12/03/24 | JT | 10.5 | 8 | 12/12/24 | RC | 10.9 | 3.7 | Flow Controller |

**SGS Bottle Order(s):**
MM-112524-154

| Prep Date | Room Temp(F) | Bar Pres "Hg |
|---|---|---|
| 12/03/24 | 70 | 29.92 |

# Internal Sample Tracking Chronicle

Groundwater & Environmental Services

**Job No:** JE2491

Regency Center Carmel ShopRite Plaza, Carmel, NY
Project No: 1192323-02-210-1111

| Sample Number | Method | Analyzed | By | Prepped | By | Test Codes |
|---|---|---|---|---|---|---|
| JE2491-1 SS-3 | Collected: 10-DEC-24 18:05 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2491-1 | TO-15 | 21-DEC-24 02:30 | TCH | | | VTO15NYSVLL |
| JE2491-2 IA-3 | Collected: 10-DEC-24 18:06 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2491-2 | TO-15 | 18-DEC-24 13:30 | TCH | | | VTO15NYLL |
| JE2491-2 | TO-15 | 21-DEC-24 03:11 | TCH | | | VTO15NYLL |
| JE2491-2 | TO-15 | 23-DEC-24 19:43 | TCH | | | VTO15NYLL |
| JE2491-3 SS-4 | Collected: 10-DEC-24 18:12 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2491-3 | TO-15 | 21-DEC-24 03:54 | TCH | | | VTO15NYSVLL |
| JE2491-4 IA-4 | Collected: 10-DEC-24 18:15 By: RB | | Received: 12-DEC-24 By: HR | | | |
| JE2491-4 | TO-15 | 07-JAN-25 03:36 | BK | | | VTO15NYLL |
| JE2491-4 | TO-15 | 08-JAN-25 20:22 | BK | | | VTO15NYLL |

## MS Volatiles



### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-MB | 5W55706.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-MB | 5W55706.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 110% | 65-128% |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-MB | 5W55783.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 111% | 65-128% |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-MB | 5W55823.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 65-128% |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-MB | 7W11539.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-MB | 7W11539.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-MB | 7W11539.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.58 | 2.6 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W415-MB | 7W11575.D | 1 | 01/08/25 | BK | n/a | n/a | V7W415 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 97% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.58 | 2.6 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-MB | 7W10580.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 88% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | system artifact | 1.61 | 7.3 | ppbv | J |
| | Total TIC, Volatile | | 0 | ppbv | |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Method Blank Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-MB | 7W10747.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 94% | 65-128% |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W394-MB | 7W10814.D | 1 | 11/27/24 | BK | n/a | n/a | V7W394 |



**The QC reported here applies to the following samples:** **Method:** TO-15

V7W394-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 65-128% |

# Method Blank Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-MB | 5W55670.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V5W2132-SCC

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 65-128% |

| CAS No. | Tentatively Identified Compounds | R.T. | Est. Conc. | Units | Q |
|---|---|---|---|---|---|
| | Total TIC, Volatile | | 0 | ppbv | |

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-BS | 5W55701.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |
| V5W2133-BSD | 5W55703.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | 10.8 | 9.4 | 87 | 9.8 | 91 | 4 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.9 | 108 | 12.3 | 112 | 3 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 12.1 | 115 | 12.4 | 118 | 2 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 14.7 | 137* [a] | 14.7 | 137* [a] | 0 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 9.1 | 87 | 9.2 | 88 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 9.9 | 93 | 10.1 | 95 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.1 | 107 | 11.0 | 106 | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 12.4 | 117 | 12.6 | 119 | 2 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 9.9 | 92 | 10.1 | 94 | 2 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 9.3 | 89 | 9.3 | 89 | 0 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 12.4 | 115 | 12.6 | 117 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 9.5 | 91 | 10.1 | 97 | 6 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 12.6 | 120 | 12.8 | 122 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.1 | 98 | 10.0 | 97 | 1 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.3 | 114 | 12.4 | 115 | 1 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 12.3 | 113 | 12.7 | 117 | 3 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.1 | 113 | 12.2 | 114 | 1 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 11.2 | 105 | 11.7 | 109 | 4 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.2 | 102 | 11.3 | 103 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 13.6 | 125 | 13.8 | 127 | 1 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 10.9 | 104 | 11.3 | 108 | 4 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.3 | 108 | 12.0 | 114 | 6 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 12.3 | 116 | 11.9 | 112 | 3 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.8 | 103 | 11.1 | 106 | 3 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.3 | 108 | 11.5 | 110 | 2 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.7 | 109 | 11.8 | 110 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.8 | 120 | 13.1 | 122 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.8 | 104 | 10.7 | 103 | 1 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.9 | 102 | 10.6 | 99 | 3 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.3 | 104 | 11.0 | 101 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.6 | 124 | 13.0 | 127 | 3 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 11.8 | 107 | 11.9 | 108 | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 11.6 | 106 | 11.5 | 106 | 1 | 70-130/30 |
| 76-13-1 | Freon 113 | 10.6 | 12.8 | 121 | 12.9 | 122 | 1 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.8 | 98 | 11.2 | 102 | 4 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 13.1 | 119 | 13.6 | 124 | 4 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2133-BS | 5W55701.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |
| V5W2133-BSD | 5W55703.D | 1 | 12/17/24 | TCH | n/a | n/a | V5W2133 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | 10.8 | 16.4 | 152* [a] | 15.2 | 141* [a] | 8 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 12.4 | 115 | 12.6 | 117 | 2 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 12.8 | 121 | 13.2 | 125 | 3 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.6 | 101 | 11.1 | 106 | 5 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 14.2 | 131* [b] | 14.4 | 133* [b] | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 12.8 | 119 | 13.1 | 121 | 2 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 13.3 | 123 | 13.5 | 125 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 10.7 | 98 | 10.1 | 93 | 6 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.3 | 113 | 12.1 | 111 | 2 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 12.0 | 109 | 12.1 | 110 | 1 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.3 | 114 | 12.5 | 116 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.3 | 104 | 11.5 | 106 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.6 | 108 | 11.9 | 111 | 3 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 14.3 | 131* [a] | 13.0 | 119 | 10 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 11.7 | 106 | 11.7 | 106 | 0 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 11.3 | 104 | 11.3 | 104 | 0 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.0 | 111 | 12.4 | 115 | 3 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 12.0 | 121 | 12.5 | 126 | 4 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.9 | 109 | 12.0 | 110 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 13.5 | 129 | 14.0 | 133* [b] | 4 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.3 | 107 | 11.5 | 108 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.9 | 104 | 11.2 | 107 | 3 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 11.6 | 109 | 11.4 | 108 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 9.6 | 93 | 10.1 | 98 | 5 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.3 | 118 | 12.6 | 121 | 2 | 70-130/30 |
| | m,p-Xylene | 21.4 | 21.7 | 101 | 22.0 | 103 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.1 | 102 | 11.2 | 103 | 1 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 32.8 | 102 | 33.2 | 103 | 1 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 100% | 99% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.
(b) Outside in house control limits.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 6.0 | 58* [a] | 5.9 | 57* [a] | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 7.4 | 69* [a] | 7.0 | 65* [a] | 6 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 12.4 | 113 | 12.5 | 114 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.7 | 111 | 11.6 | 110 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 15.7 | 147* [b] | 15.9 | 149* [b] | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 7.6 | 72 | 7.2 | 69* [a] | 5 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 8.4 | 79 | 8.0 | 75 | 5 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 11.1 | 107 | 10.9 | 105 | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 12.5 | 118 | 12.6 | 119 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.8 | 100 | 10.9 | 101 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 7.4 | 71 | 7.0 | 67* [a] | 6 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 12.3 | 114 | 12.1 | 112 | 2 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 7.9 | 76 | 7.4 | 71 | 7 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 13.0 | 124 | 13.1 | 125 | 1 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 11.5 | 112 | 11.3 | 110 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.4 | 115 | 12.1 | 112 | 2 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 12.9 | 118 | 13.2 | 121 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.1 | 113 | 11.8 | 110 | 3 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 11.8 | 110 | 12.1 | 113 | 3 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 12.0 | 109 | 12.2 | 111 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 12.7 | 117 | 12.2 | 112 | 4 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 10.8 | 103 | 10.7 | 102 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 11.6 | 110 | 11.7 | 111 | 1 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 11.9 | 112 | 11.2 | 106 | 6 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 12.0 | 114 | 3 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.8 | 112 | 11.8 | 112 | 0 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 12.2 | 114 | 12.1 | 113 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.9 | 121 | 12.9 | 121 | 0 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.4 | 110 | 11.1 | 107 | 3 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.7 | 109 | 11.2 | 105 | 4 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 12.2 | 112 | 11.8 | 108 | 3 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.7 | 125 | 12.6 | 124 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 7.4 | 73 | 6.7 | 66* [a] | 10 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 12.6 | 115 | 12.8 | 116 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 13.5 | 125 | 13.5 | 125 | 0 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.7 | 117 | 12.4 | 114 | 2 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 13.1 | 124 | 13.3 | 125 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 8.9 | 81 | 8.5 | 77 | 5 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 12.7 | 115 | 12.6 | 115 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 18.5 | 171* [b] | 17.0 | 157* [b] | 8 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 12.1 | 112 | 11.9 | 110 | 2 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 13.1 | 124 | 13.4 | 126 | 2 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 11.1 | 105 | 11.0 | 104 | 1 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 11.0 | 105 | 11.2 | 107 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 14.8 | 137* [a] | 14.8 | 137* [a] | 0 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 12.4 | 115 | 12.6 | 117 | 2 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 13.4 | 124 | 13.3 | 123 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 13.4 | 123 | 13.5 | 124 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 12.3 | 113 | 11.3 | 104 | 8 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 12.4 | 114 | 11.6 | 106 | 7 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 13.4 | 122 | 13.4 | 122 | 0 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 12.2 | 113 | 11.8 | 109 | 3 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.3 | 104 | 11.3 | 104 | 0 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.5 | 107 | 11.6 | 108 | 1 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 16.7 | 153* [a] | 15.0 | 138* [a] | 11 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.2 | 111 | 11.9 | 108 | 2 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 12.3 | 113 | 12.0 | 110 | 2 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.6 | 107 | 11.7 | 108 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 11.7 | 118 | 11.5 | 116 | 2 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 13.2 | 121 | 13.4 | 123 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 14.3 | 136* [a] | 14.0 | 133* [a] | 2 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.9 | 112 | 11.8 | 111 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.8 | 103 | 10.9 | 104 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10.9 | 103 | 10.8 | 102 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 7.6 | 74 | 7.2 | 70 | 5 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 13.3 | 128 | 13.8 | 133* [a] | 4 | 70-130/30 |
| | m,p-Xylene | 21.4 | 23.9 | 112 | 24.2 | 113 | 1 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.9 | 109 | 11.9 | 109 | 0 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 35.8 | 111 | 36.1 | 112 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2136-BS | 5W55779.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| V5W2136-BSD | 5W55781.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 101% | 99% | 65-128% |

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2138-BS | 5W55820.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| V5W2138-BSD | 5W55821.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 8.3 | 81 | 8.5 | 83 | 2 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 101% | 100% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-BS | 7W11536.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |
| V7W414-BSD | 7W11537.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | 10.8 | 12.0 | 111 | 11.8 | 109 | 2 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.3 | 103 | 11.3 | 103 | 0 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.9 | 113 | 11.9 | 113 | 0 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.6 | 108 | 11.7 | 109 | 1 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 11.1 | 106 | 11.1 | 106 | 0 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.0 | 104 | 10.9 | 103 | 1 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 10.2 | 98 | 10.2 | 98 | 0 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 12.2 | 115 | 12.1 | 114 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 11.6 | 107 | 11.7 | 108 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 12.1 | 116 | 12.0 | 115 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.7 | 108 | 11.7 | 108 | 0 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 11.8 | 113 | 11.5 | 111 | 3 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 11.3 | 108 | 11.1 | 106 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 11.2 | 109 | 11.3 | 110 | 1 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.6 | 106 | 11.6 | 106 | 0 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 11.9 | 111 | 11.9 | 111 | 0 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.6 | 99 | 10.5 | 98 | 1 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 12.2 | 111 | 12.3 | 112 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 12.6 | 116 | 12.6 | 116 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.9 | 113 | 11.8 | 112 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10.9 | 104 | 10.8 | 103 | 1 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 11.6 | 109 | 11.5 | 108 | 1 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.7 | 102 | 10.6 | 101 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.1 | 104 | 11.1 | 104 | 0 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 11.8 | 110 | 11.8 | 110 | 0 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 11.8 | 113 | 11.8 | 113 | 0 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 11.9 | 111 | 12.0 | 112 | 1 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 12.4 | 114 | 12.3 | 113 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 11.1 | 109 | 11.1 | 109 | 0 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 11.9 | 117 | 11.8 | 116 | 1 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 11.3 | 103 | 11.4 | 104 | 1 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.8 | 109 | 12.0 | 111 | 2 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 12.2 | 112 | 12.1 | 111 | 1 | 70-130/30 |
| 76-13-1 | Freon 113 | 10.6 | 11.0 | 104 | 10.9 | 103 | 1 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-BS | 7W11536.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |
| V7W414-BSD | 7W11537.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |



**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-14-2 | Freon 114 | 11 | 12.3 | 112 | 12.3 | 112 | 0 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 13.3 | 121 | 13.3 | 121 | 0 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 13.2 | 122 | 13.4 | 124 | 2 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.4 | 106 | 11.4 | 106 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 10.3 | 97 | 10.2 | 96 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 11.9 | 112 | 11.7 | 110 | 2 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.4 | 99 | 10.4 | 99 | 0 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 11.4 | 106 | 11.3 | 105 | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 11.7 | 108 | 11.7 | 108 | 0 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.1 | 103 | 11.2 | 104 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.2 | 103 | 11.2 | 103 | 0 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 12.8 | 117 | 12.9 | 118 | 1 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 11.6 | 106 | 11.5 | 106 | 1 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 12.2 | 111 | 12.3 | 112 | 1 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.4 | 106 | 11.4 | 106 | 0 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 12.2 | 112 | 12.3 | 113 | 1 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.7 | 109 | 11.7 | 109 | 0 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 13.4 | 123 | 13.4 | 123 | 0 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 12.5 | 114 | 12.6 | 115 | 1 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 12.2 | 112 | 12.2 | 112 | 0 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 12.6 | 117 | 12.7 | 118 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 11.0 | 111 | 11.0 | 111 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 12.0 | 110 | 12.1 | 111 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 11.1 | 105 | 11.2 | 106 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 11.6 | 110 | 11.6 | 110 | 0 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 11.6 | 109 | 11.5 | 108 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 12.7 | 123 | 12.5 | 121 | 2 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 10.5 | 101 | 10.6 | 102 | 1 | 70-130/30 |
| | m,p-Xylene | 21.4 | 22.8 | 107 | 22.9 | 107 | 0 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 11.6 | 106 | 11.7 | 107 | 1 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 34.5 | 107 | 34.6 | 107 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W414-BS | 7W11536.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |
| V7W414-BSD | 7W11537.D | 1 | 01/06/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 102% | 103% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W415-BS | 7W11572.D | 1 | 01/07/25 | BK | n/a | n/a | V7W415 |
| V7W415-BSD | 7W11573.D | 1 | 01/07/25 | BK | n/a | n/a | V7W415 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.6 | 93 | 9.5 | 92 | 1 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 103% | 103% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.6 | 93 | 9.8 | 95 | 2 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 10.3 | 95 | 9.7 | 90 | 6 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.5 | 105 | 11.6 | 105 | 1 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 11.1 | 106 | 1 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 12.2 | 114 | 13.1 | 122 | 7 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.2 | 97 | 10.3 | 98 | 1 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 11.4 | 108 | 11.4 | 108 | 0 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 20.7 | 199* [a] | 21.0 | 202* [a] | 1 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 9.6 | 91 | 9.5 | 90 | 1 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.2 | 94 | 10.5 | 97 | 3 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 10.6 | 102 | 10.7 | 103 | 1 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 10.8 | 100 | 10.9 | 101 | 1 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 8.7 | 84 | 8.0 | 77 | 8 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 9.4 | 90 | 9.6 | 91 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10 | 97 | 10.5 | 102 | 5 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.4 | 115 | 12.4 | 115 | 0 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.4 | 105 | 11.5 | 106 | 1 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.5 | 117 | 12.5 | 117 | 0 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.6 | 105 | 11.7 | 106 | 1 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 10.6 | 97 | 10.6 | 97 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 12.1 | 115 | 12.0 | 114 | 1 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10.6 | 101 | 10.6 | 101 | 0 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.6 | 100 | 10.6 | 100 | 0 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 11.7 | 111 | 11.8 | 112 | 1 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 11.7 | 111 | 11.7 | 111 | 0 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.4 | 107 | 11.5 | 107 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.5 | 117 | 12.6 | 118 | 1 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.3 | 99 | 11.1 | 107 | 7 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.2 | 95 | 11.1 | 104 | 8 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 10.5 | 96 | 11.2 | 103 | 6 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.7 | 125 | 12.8 | 125 | 1 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 8.9 | 87 | 8.5 | 83 | 5 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.3 | 94 | 10.5 | 95 | 2 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 10.5 | 96 | 11.0 | 101 | 5 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 11.1 | 105 | 10.9 | 103 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 10.6 | 96 | 10.8 | 98 | 2 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 11.2 | 102 | 11.3 | 103 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 10.9 | 101 | 11.2 | 104 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 11.4 | 106 | 11.4 | 106 | 0 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.9 | 93 | 10.0 | 94 | 1 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 8.8 | 83 | 8.6 | 81 | 2 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 9.1 | 87 | 9.1 | 87 | 0 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 12.2 | 113 | 12.1 | 112 | 1 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 10.8 | 100 | 10.8 | 100 | 0 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 12.2 | 113 | 12.3 | 114 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.8 | 108 | 11.9 | 109 | 1 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 8.9 | 82 | 9.2 | 84 | 3 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 13.4 | 123 | 11.8 | 108 | 13 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 10.9 | 99 | 11.3 | 103 | 4 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.8 | 109 | 1 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 10.5 | 96 | 10.7 | 98 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.3 | 106 | 11.3 | 106 | 0 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 10.1 | 93 | 10.4 | 95 | 3 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.1 | 92 | 10.5 | 95 | 4 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.3 | 94 | 10.6 | 97 | 3 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 11.8 | 109 | 11.8 | 109 | 0 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 9.1 | 92 | 9.1 | 92 | 0 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.5 | 106 | 11.7 | 107 | 2 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 12.1 | 115 | 12.2 | 116 | 1 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 10.6 | 100 | 10.7 | 101 | 1 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.6 | 101 | 10.7 | 102 | 1 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10 | 94 | 9.9 | 93 | 1 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 10.4 | 101 | 10.1 | 98 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 12.1 | 116 | 11.9 | 114 | 2 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.0 | 93 | 20.6 | 96 | 3 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.0 | 92 | 10.3 | 94 | 3 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 30.0 | 93 | 30.9 | 96 | 3 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-BS | 7W10577.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |
| V7W387-BSD | 7W10578.D | 1 | 11/18/24 | BK | n/a | n/a | V7W387 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W387-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 93% | 94% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 9.8 | 95 | 9.4 | 91 | 4 | 70-130/30 |
| 106-99-0 | 1,3-Butadiene | 10.8 | 11.3 | 105 | 10.7 | 99 | 5 | 70-130/30 |
| 71-43-2 | Benzene | 11 | 11.1 | 101 | 10.9 | 99 | 2 | 70-130/30 |
| 75-27-4 | Bromodichloromethane | 10.5 | 11.0 | 105 | 10.6 | 101 | 4 | 70-130/30 |
| 75-25-2 | Bromoform | 10.7 | 11.9 | 111 | 11.4 | 107 | 4 | 70-130/30 |
| 74-83-9 | Bromomethane | 10.5 | 10.5 | 100 | 10.3 | 98 | 2 | 70-130/30 |
| 593-60-2 | Bromoethene | 10.6 | 10.9 | 103 | 10.7 | 101 | 2 | 70-130/30 |
| 100-44-7 | Benzyl Chloride | 10.4 | 21.7 | 209* [a] | 21.2 | 204* [a] | 2 | 70-130/30 |
| 75-15-0 | Carbon disulfide | 10.6 | 11.0 | 104 | 10.7 | 101 | 3 | 70-130/30 |
| 108-90-7 | Chlorobenzene | 10.8 | 10.8 | 100 | 10.7 | 99 | 1 | 70-130/30 |
| 75-00-3 | Chloroethane | 10.4 | 11.1 | 107 | 10.6 | 102 | 5 | 70-130/30 |
| 67-66-3 | Chloroform | 10.8 | 11.2 | 104 | 10.9 | 101 | 3 | 70-130/30 |
| 74-87-3 | Chloromethane | 10.4 | 10.4 | 100 | 9.8 | 94 | 6 | 70-130/30 |
| 107-05-1 | 3-Chloropropene | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 95-49-8 | 2-Chlorotoluene | 10.3 | 10.7 | 104 | 10.5 | 102 | 2 | 70-130/30 |
| 56-23-5 | Carbon tetrachloride | 10.8 | 12.0 | 111 | 11.6 | 107 | 3 | 70-130/30 |
| 110-82-7 | Cyclohexane | 10.9 | 11.0 | 101 | 10.8 | 99 | 2 | 70-130/30 |
| 75-34-3 | 1,1-Dichloroethane | 10.7 | 12.3 | 115 | 12.0 | 112 | 2 | 70-130/30 |
| 75-35-4 | 1,1-Dichloroethylene | 10.7 | 10.6 | 99 | 10.8 | 101 | 2 | 70-130/30 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | 11 | 11.4 | 104 | 11.2 | 102 | 2 | 70-130/30 |
| 107-06-2 | 1,2-Dichloroethane | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |
| 78-87-5 | 1,2-Dichloropropane | 10.5 | 11.0 | 105 | 10.8 | 103 | 2 | 70-130/30 |
| 123-91-1 | 1,4-Dioxane | 10.5 | 10 | 95 | 10.4 | 99 | 4 | 70-130/30 |
| 75-71-8 | Dichlorodifluoromethane | 10.6 | 10.8 | 102 | 10.6 | 100 | 2 | 70-130/30 |
| 124-48-1 | Dibromochloromethane | 10.5 | 10.9 | 104 | 10.7 | 102 | 2 | 70-130/30 |
| 156-60-5 | trans-1,2-Dichloroethylene | 10.5 | 10.7 | 102 | 10.6 | 101 | 1 | 70-130/30 |
| 156-59-2 | cis-1,2-Dichloroethylene | 10.7 | 11.3 | 106 | 11.2 | 105 | 1 | 70-130/30 |
| 10061-01-5 | cis-1,3-Dichloropropene | 10.7 | 12.0 | 112 | 11.8 | 110 | 2 | 70-130/30 |
| 541-73-1 | m-Dichlorobenzene | 10.4 | 10.8 | 104 | 10.6 | 102 | 2 | 70-130/30 |
| 95-50-1 | o-Dichlorobenzene | 10.7 | 10.8 | 101 | 10.6 | 99 | 2 | 70-130/30 |
| 106-46-7 | p-Dichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 10061-02-6 | trans-1,3-Dichloropropene | 10.2 | 12.3 | 121 | 12.0 | 118 | 2 | 70-130/30 |
| 64-17-5 | Ethanol | 10.2 | 10.1 | 99 | 9.5 | 93 | 6 | 70-130/30 |
| 100-41-4 | Ethylbenzene | 11 | 10.6 | 96 | 10.3 | 94 | 3 | 70-130/30 |
| 141-78-6 | Ethyl Acetate | 10.8 | 11.5 | 106 | 11.4 | 106 | 1 | 70-130/30 |
| 622-96-8 | 4-Ethyltoluene | 10.9 | 11.0 | 101 | 11.0 | 101 | 0 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | 10.6 | 9.8 | 92 | 9.6 | 91 | 2 | 70-130/30 |
| 76-14-2 | Freon 114 | 11 | 11.6 | 105 | 11.5 | 105 | 1 | 70-130/30 |
| 142-82-5 | Heptane | 11 | 10 | 91 | 9.9 | 90 | 1 | 70-130/30 |
| 87-68-3 | Hexachlorobutadiene | 10.8 | 11.8 | 109 | 11.5 | 106 | 3 | 70-130/30 |
| 110-54-3 | Hexane | 10.8 | 10.7 | 99 | 10.6 | 98 | 1 | 70-130/30 |
| 591-78-6 | 2-Hexanone | 10.6 | 9.0 | 85 | 9.0 | 85 | 0 | 70-130/30 |
| 67-63-0 | Isopropyl Alcohol | 10.6 | 9.6 | 91 | 9.3 | 88 | 3 | 70-130/30 |
| 75-09-2 | Methylene chloride | 10.5 | 10.0 | 95 | 9.8 | 93 | 2 | 70-130/30 |
| 78-93-3 | Methyl ethyl ketone | 10.8 | 11.7 | 108 | 11.4 | 106 | 3 | 70-130/30 |
| 108-10-1 | Methyl Isobutyl Ketone | 10.8 | 9.9 | 92 | 9.8 | 91 | 1 | 70-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | 10.8 | 11.8 | 109 | 11.7 | 108 | 1 | 70-130/30 |
| 80-62-6 | Methylmethacrylate | 10.9 | 11.1 | 102 | 10.9 | 100 | 2 | 70-130/30 |
| 91-20-3 | Naphthalene | 10.9 | 9.7 | 89 | 9.6 | 88 | 1 | 70-130/30 |
| 115-07-1 | Propylene | 10.9 | 11.6 | 106 | 11.1 | 102 | 4 | 70-130/30 |
| 100-42-5 | Styrene | 11 | 11.2 | 102 | 10.9 | 99 | 3 | 70-130/30 |
| 71-55-6 | 1,1,1-Trichloroethane | 10.8 | 11.7 | 108 | 11.5 | 106 | 2 | 70-130/30 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10.9 | 11.6 | 106 | 11.4 | 105 | 2 | 70-130/30 |
| 79-00-5 | 1,1,2-Trichloroethane | 10.7 | 11.0 | 103 | 10.8 | 101 | 2 | 70-130/30 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 11 | 10.8 | 98 | 10.7 | 97 | 1 | 70-130/30 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 10.9 | 10.7 | 98 | 10.6 | 97 | 1 | 70-130/30 |
| 540-84-1 | 2,2,4-Trimethylpentane | 10.8 | 10.6 | 98 | 10.5 | 97 | 1 | 70-130/30 |
| 75-65-0 | Tertiary Butyl Alcohol | 9.9 | 10.6 | 107 | 10.5 | 106 | 1 | 70-130/30 |
| 127-18-4 | Tetrachloroethylene | 10.9 | 11.0 | 101 | 10.9 | 100 | 1 | 70-130/30 |
| 109-99-9 | Tetrahydrofuran | 10.5 | 11.5 | 110 | 11.5 | 110 | 0 | 70-130/30 |
| 108-88-3 | Toluene | 10.6 | 9.9 | 93 | 9.7 | 92 | 2 | 70-130/30 |
| 79-01-6 | Trichloroethylene | 10.5 | 10.3 | 98 | 10.0 | 95 | 3 | 70-130/30 |
| 75-69-4 | Trichlorofluoromethane | 10.6 | 10.1 | 95 | 9.9 | 93 | 2 | 70-130/30 |
| 75-01-4 | Vinyl chloride | 10.3 | 11.5 | 112 | 11.2 | 109 | 3 | 70-130/30 |
| 108-05-4 | Vinyl Acetate | 10.4 | 11.8 | 113 | 11.1 | 107 | 6 | 70-130/30 |
| | m,p-Xylene | 21.4 | 20.6 | 96 | 20.1 | 94 | 2 | 70-130/30 |
| 95-47-6 | o-Xylene | 10.9 | 10.5 | 96 | 10.3 | 94 | 2 | 70-130/30 |
| 1330-20-7 | Xylenes (total) | 32.3 | 31.1 | 96 | 30.4 | 94 | 2 | 70-130/30 |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-BS | 7W10744.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |
| V7W392-BSD | 7W10745.D | 1 | 11/25/24 | WC | n/a | n/a | V7W392 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W392-SCC

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 99% | 65-128% |

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W394-BS | 7W10811.D | 1 | 11/27/24 | BK | n/a | n/a | V7W394 |
| V7W394-BSD | 7W10812.D | 1 | 11/27/24 | BK | n/a | n/a | V7W394 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V7W394-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 12.0 | 117 | 11.1 | 108 | 8 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 97% | 97% | 65-128% |

* = Outside of Control Limits.

# Blank Spike/Blank Spike Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-BS | 5W55665.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |
| V5W2132-BSD | 5W55666.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here applies to the following samples:** **Method:** TO-15

V5W2132-SCC

| CAS No. | Compound | Spike ppbv | BSP ppbv | BSP % | BSD ppbv | BSD % | RPD | Limits Rec/RPD |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 10.3 | 8.0 | 78 | 7.9 | 77 | 1 | 70-130/30 |

| CAS No. | Surrogate Recoveries | BSP | BSD | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 98% | 100% | 65-128% |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2488-2DUP | 5W55717.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |
| JE2488-2 [a] | 5W55716.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | JE2488-2 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | 0.75 | | 0.77 | | 3 | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | 0.76 | | 0.80 | | 5 | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | 0.078 | | 0.074 | J | 5 | 25 |
| 110-82-7 | Cyclohexane | 0.15 | | 0.15 | J | 0 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | 0.14 | | 0.12 | J | 15 | 25 |
| 75-71-8 | Dichlorodifluoromethane | 0.58 | | 0.57 | | 2 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | ND | | ND | | nc | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 100-41-4 | Ethylbenzene | 0.097 | | 0.099 | J | 2 | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |
| 76-13-1 | Freon 113 | 0.080 | | 0.076 | J | 5 | 25 |
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |
| 142-82-5 | Heptane | 0.27 | | 0.28 | | 4 | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2488-2DUP | 5W55717.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |
| JE2488-2 [a] | 5W55716.D | 1 | 12/18/24 | TCH | n/a | n/a | V5W2133 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | JE2488-2 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 0.98 | | 0.97 | | 1 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 75-09-2 | Methylene chloride | 0.65 | | 0.64 | | 2 | 25 |
| 78-93-3 | Methyl ethyl ketone | 0.12 | | 0.18 | | 40* [b] | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | ND | | ND | | nc | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ND | | nc | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.079 | | 0.077 | J | 3 | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.36 | | 0.37 | | 3 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | 0.079 | | 0.079 | J | 0 | 25 |
| 127-18-4 | Tetrachloroethylene | ND | | ND | | nc | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | 0.59 | | 0.60 | | 2 | 25 |
| 79-01-6 | Trichloroethylene | ND | | ND | | nc | 25 |
| 75-69-4 | Trichlorofluoromethane | 0.31 | | 0.32 | | 3 | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 0.27 | | 0.26 | | 4 | 25 |
| 95-47-6 | o-Xylene | 0.10 | | 0.10 | J | 0 | 25 |
| 1330-20-7 | Xylenes (total) | 0.37 | | 0.36 | | 3 | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE2488-2 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 106% | | 65-128% |

(a) Sample used for QC purposes only.
(b) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | JE2665-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 1.5 | | 1.5 | | 0 | 25 |
| 106-99-0 | 1,3-Butadiene | ND | | ND | | nc | 25 |
| 71-43-2 | Benzene | ND | | ND | | nc | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | ND | | ND | | nc | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | ND | | ND | | nc | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | ND | | ND | | nc | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | 0.50 | J | ND | | 200* [a] | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | 1.8 | J | 2.2 | | 20 | 25 |
| 100-41-4 | Ethylbenzene | ND | | ND | | nc | 25 |
| 141-78-6 | Ethyl Acetate | 0.71 | J | 0.79 | J | 11 | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Compound | JE2665-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |
| 142-82-5 | Heptane | ND | | ND | | nc | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | ND | | ND | | nc | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | ND | | ND | | nc | 25 |
| 75-09-2 | Methylene chloride | ND | | ND | | nc | 25 |
| 78-93-3 | Methyl ethyl ketone | ND | | ND | | nc | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | ND | | ND | | nc | 25 |
| 91-20-3 | Naphthalene | 2.0 | | ND | | 200* [a] | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | ND | | ND | | nc | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | 2.1 | | ND | | 200* [a] | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ND | | nc | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | | ND | | nc | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | | ND | | nc | 25 |
| 127-18-4 | Tetrachloroethylene | ND | | ND | | nc | 25 |
| 109-99-9 | Tetrahydrofuran | ND | | ND | | nc | 25 |
| 108-88-3 | Toluene | ND | | ND | | nc | 25 |
| 79-01-6 | Trichloroethylene | 0.28 | | ND | | 200* [a] | 25 |
| 75-69-4 | Trichlorofluoromethane | ND | | ND | | nc | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | ND | | ND | | nc | 25 |
| 95-47-6 | o-Xylene | ND | | ND | | nc | 25 |
| 1330-20-7 | Xylenes (total) | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2665-1DUP | 5W55785.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |
| JE2665-1 | 5W55784.D | 1 | 12/20/24 | TCH | n/a | n/a | V5W2136 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-1, JE2491-2, JE2491-3

| CAS No. | Surrogate Recoveries | DUP | JE2665-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 111% | 65-128% |

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2315-1DUP | 5W55826.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |
| JE2315-1 | 5W55825.D | 1 | 12/23/24 | TCH | n/a | n/a | V5W2138 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-2

| CAS No. | Compound | JE2315-1 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 3.7 | | 3.6 | | 3 | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE2315-1 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 109% | 107% | 65-128% |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2792-5DUP | 7W11549.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |
| JE2792-5 | 7W11548.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | JE2792-5 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 106-99-0 | 1,3-Butadiene | 0.11 | J | 0.12 | J | 9 | 25 |
| 71-43-2 | Benzene | 0.34 | | 0.34 | | 0 | 25 |
| 75-27-4 | Bromodichloromethane | ND | | ND | | nc | 25 |
| 75-25-2 | Bromoform | ND | | ND | | nc | 25 |
| 74-83-9 | Bromomethane | ND | | ND | | nc | 25 |
| 593-60-2 | Bromoethene | ND | | ND | | nc | 25 |
| 100-44-7 | Benzyl Chloride | ND | | ND | | nc | 25 |
| 75-15-0 | Carbon disulfide | ND | | ND | | nc | 25 |
| 108-90-7 | Chlorobenzene | ND | | ND | | nc | 25 |
| 75-00-3 | Chloroethane | ND | | ND | | nc | 25 |
| 67-66-3 | Chloroform | ND | | ND | | nc | 25 |
| 74-87-3 | Chloromethane | 0.62 | | 0.62 | | 0 | 25 |
| 107-05-1 | 3-Chloropropene | ND | | ND | | nc | 25 |
| 95-49-8 | 2-Chlorotoluene | ND | | ND | | nc | 25 |
| 56-23-5 | Carbon tetrachloride | ND | | ND | | nc | 25 |
| 110-82-7 | Cyclohexane | 0.11 | J | 0.10 | J | 10 | 25 |
| 75-34-3 | 1,1-Dichloroethane | ND | | ND | | nc | 25 |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ND | | nc | 25 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | | ND | | nc | 25 |
| 107-06-2 | 1,2-Dichloroethane | ND | | ND | | nc | 25 |
| 78-87-5 | 1,2-Dichloropropane | ND | | ND | | nc | 25 |
| 123-91-1 | 1,4-Dioxane | ND | | ND | | nc | 25 |
| 75-71-8 | Dichlorodifluoromethane | 0.40 | | 0.40 | | 0 | 25 |
| 124-48-1 | Dibromochloromethane | ND | | ND | | nc | 25 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ND | | nc | 25 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 541-73-1 | m-Dichlorobenzene | ND | | ND | | nc | 25 |
| 95-50-1 | o-Dichlorobenzene | ND | | ND | | nc | 25 |
| 106-46-7 | p-Dichlorobenzene | ND | | ND | | nc | 25 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | | ND | | nc | 25 |
| 64-17-5 | Ethanol | 8.9 | | 9.0 | | 1 | 25 |
| 100-41-4 | Ethylbenzene | 0.99 | | 1.0 | | 1 | 25 |
| 141-78-6 | Ethyl Acetate | 5.4 | | 5.4 | | 0 | 25 |
| 622-96-8 | 4-Ethyltoluene | ND | | ND | | nc | 25 |
| 76-13-1 | Freon 113 | ND | | ND | | nc | 25 |

* = Outside of Control Limits.

# Duplicate Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2792-5DUP | 7W11549.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |
| JE2792-5 | 7W11548.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | JE2792-5 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 76-14-2 | Freon 114 | ND | | ND | | nc | 25 |
| 142-82-5 | Heptane | 0.13 | J | 0.13 | J | 0 | 25 |
| 87-68-3 | Hexachlorobutadiene | ND | | ND | | nc | 25 |
| 110-54-3 | Hexane | 0.29 | | 0.30 | | 3 | 25 |
| 591-78-6 | 2-Hexanone | ND | | ND | | nc | 25 |
| 67-63-0 | Isopropyl Alcohol | 3.2 | | 3.3 | | 3 | 25 |
| 75-09-2 | Methylene chloride | 1.7 | | 1.7 | | 0 | 25 |
| 78-93-3 | Methyl ethyl ketone | 5.0 | | 5.1 | | 2 | 25 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | | ND | | nc | 25 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | | ND | | nc | 25 |
| 80-62-6 | Methylmethacrylate | 0.20 | | 0.19 | J | 5 | 25 |
| 91-20-3 | Naphthalene | ND | | ND | | nc | 25 |
| 115-07-1 | Propylene | ND | | ND | | nc | 25 |
| 100-42-5 | Styrene | 1.9 | | 1.9 | | 0 | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ND | | nc | 25 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ND | | nc | 25 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ND | | nc | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ND | | nc | 25 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ND | | nc | 25 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ND | | nc | 25 |
| 540-84-1 | 2,2,4-Trimethylpentane | 0.13 | J | 0.13 | J | 0 | 25 |
| 75-65-0 | Tertiary Butyl Alcohol | 0.26 | | 0.26 | | 0 | 25 |
| 127-18-4 | Tetrachloroethylene | 0.14 | | 0.15 | | 7 | 25 |
| 109-99-9 | Tetrahydrofuran | 1.4 | | 1.4 | | 0 | 25 |
| 108-88-3 | Toluene | 0.75 | | 0.76 | | 1 | 25 |
| 79-01-6 | Trichloroethylene | ND | | ND | | nc | 25 |
| 75-69-4 | Trichlorofluoromethane | 1.4 | | 1.4 | | 0 | 25 |
| 75-01-4 | Vinyl chloride | ND | | ND | | nc | 25 |
| 108-05-4 | Vinyl Acetate | ND | | ND | | nc | 25 |
| | m,p-Xylene | 2.1 | | 2.1 | | 0 | 25 |
| 95-47-6 | o-Xylene | 0.66 | | 0.67 | | 2 | 25 |
| 1330-20-7 | Xylenes (total) | 2.8 | | 2.8 | | 0 | 25 |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE2792-5DUP | 7W11549.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |
| JE2792-5 | 7W11548.D | 1 | 01/07/25 | BK | n/a | n/a | V7W414 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Surrogate Recoveries | DUP | JE2792-5 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 102% | 102% | 65-128% |

* = Outside of Control Limits.

# Duplicate Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| JE3433-3DUP | 7W11588.D | 1 | 01/08/25 | BK | n/a | n/a | V7W415 |
| JE3433-3 | 7W11585.D | 1 | 01/08/25 | BK | n/a | n/a | V7W415 |

**The QC reported here applies to the following samples:** **Method:** TO-15

JE2491-4

| CAS No. | Compound | JE3433-3 ppbv | Q | DUP ppbv | Q | RPD | Limits |
|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | 5.9 | | 5.7 | | 3 | 25 |

| CAS No. | Surrogate Recoveries | DUP | JE3433-3 | Limits |
|---|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 103% | 101% | 65-128% |

* = Outside of Control Limits.

# Summa Cleaning Certification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W387-SCC | 7W10605.D | 1 | 11/19/24 | BK | n/a | n/a | V7W387 |

**The QC reported here (Summa A779) applies to the following samples:** **Method:** TO-15

Batch CP12922 cleaned 11/08/24: JE2491-3(A1480)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 85% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |
| 106-99-0 | 1,3-Butadiene | ND | 0.20 | ppbv | | ND | 0.44 | ug/m3 |
| 71-43-2 | Benzene | ND | 0.20 | ppbv | | ND | 0.64 | ug/m3 |
| 75-27-4 | Bromodichloromethane | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 75-25-2 | Bromoform | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 74-83-9 | Bromomethane | ND | 0.20 | ppbv | | ND | 0.78 | ug/m3 |
| 593-60-2 | Bromoethene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 100-44-7 | Benzyl Chloride [a] | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 75-15-0 | Carbon disulfide | ND | 0.20 | ppbv | | ND | 0.62 | ug/m3 |
| 108-90-7 | Chlorobenzene | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 75-00-3 | Chloroethane | ND | 0.20 | ppbv | | ND | 0.53 | ug/m3 |
| 67-66-3 | Chloroform | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 74-87-3 | Chloromethane | ND | 0.20 | ppbv | | ND | 0.41 | ug/m3 |
| 107-05-1 | 3-Chloropropene | ND | 0.20 | ppbv | | ND | 0.63 | ug/m3 |
| 95-49-8 | 2-Chlorotoluene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 56-23-5 | Carbon tetrachloride | ND | 0.20 | ppbv | | ND | 1.3 | ug/m3 |
| 110-82-7 | Cyclohexane | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 75-34-3 | 1,1-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 75-35-4 | 1,1-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 106-93-4 | 1,2-Dibromoethane (EDB) | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 107-06-2 | 1,2-Dichloroethane | ND | 0.20 | ppbv | | ND | 0.81 | ug/m3 |
| 78-87-5 | 1,2-Dichloropropane | ND | 0.20 | ppbv | | ND | 0.92 | ug/m3 |
| 123-91-1 | 1,4-Dioxane | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 75-71-8 | Dichlorodifluoromethane | ND | 0.20 | ppbv | | ND | 0.99 | ug/m3 |
| 124-48-1 | Dibromochloromethane | ND | 0.20 | ppbv | | ND | 1.7 | ug/m3 |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | 0.20 | ppbv | | ND | 0.79 | ug/m3 |
| 10061-01-5 | cis-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 541-73-1 | m-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 95-50-1 | o-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 106-46-7 | p-Dichlorobenzene | ND | 0.20 | ppbv | | ND | 1.2 | ug/m3 |
| 10061-02-6 | trans-1,3-Dichloropropene | ND | 0.20 | ppbv | | ND | 0.91 | ug/m3 |
| 64-17-5 | Ethanol | ND | 0.50 | ppbv | | ND | 0.94 | ug/m3 |
| 100-41-4 | Ethylbenzene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 141-78-6 | Ethyl Acetate | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 622-96-8 | 4-Ethyltoluene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |

# Summa Cleaning Certification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |



**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 76-13-1 | Freon 113 | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 76-14-2 | Freon 114 | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 142-82-5 | Heptane | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 87-68-3 | Hexachlorobutadiene | ND | 0.20 | ppbv | | ND | 2.1 | ug/m3 |
| 110-54-3 | Hexane | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| 591-78-6 | 2-Hexanone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 67-63-0 | Isopropyl Alcohol | ND | 0.20 | ppbv | | ND | 0.49 | ug/m3 |
| 75-09-2 | Methylene chloride | ND | 0.20 | ppbv | | ND | 0.69 | ug/m3 |
| 78-93-3 | Methyl ethyl ketone | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-10-1 | Methyl Isobutyl Ketone | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND | 0.20 | ppbv | | ND | 0.72 | ug/m3 |
| 80-62-6 | Methylmethacrylate | ND | 0.20 | ppbv | | ND | 0.82 | ug/m3 |
| 91-20-3 | Naphthalene | ND | 0.20 | ppbv | | ND | 1.0 | ug/m3 |
| 115-07-1 | Propylene | ND | 0.50 | ppbv | | ND | 0.86 | ug/m3 |
| 100-42-5 | Styrene | ND | 0.20 | ppbv | | ND | 0.85 | ug/m3 |
| 71-55-6 | 1,1,1-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | 0.20 | ppbv | | ND | 1.4 | ug/m3 |
| 79-00-5 | 1,1,2-Trichloroethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | 0.20 | ppbv | | ND | 1.5 | ug/m3 |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | 0.20 | ppbv | | ND | 0.98 | ug/m3 |
| 540-84-1 | 2,2,4-Trimethylpentane | ND | 0.20 | ppbv | | ND | 0.93 | ug/m3 |
| 75-65-0 | Tertiary Butyl Alcohol | ND | 0.20 | ppbv | | ND | 0.61 | ug/m3 |
| 127-18-4 | Tetrachloroethylene | ND | 0.040 | ppbv | | ND | 0.27 | ug/m3 |
| 109-99-9 | Tetrahydrofuran | ND | 0.20 | ppbv | | ND | 0.59 | ug/m3 |
| 108-88-3 | Toluene | ND | 0.20 | ppbv | | ND | 0.75 | ug/m3 |
| 79-01-6 | Trichloroethylene | ND | 0.040 | ppbv | | ND | 0.21 | ug/m3 |
| 75-69-4 | Trichlorofluoromethane | ND | 0.20 | ppbv | | ND | 1.1 | ug/m3 |
| 75-01-4 | Vinyl chloride | ND | 0.20 | ppbv | | ND | 0.51 | ug/m3 |
| 108-05-4 | Vinyl Acetate | ND | 0.20 | ppbv | | ND | 0.70 | ug/m3 |
| | m,p-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 95-47-6 | o-Xylene | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |
| 1330-20-7 | Xylenes (total) | ND | 0.20 | ppbv | | ND | 0.87 | ug/m3 |

# Summa Cleaning Certification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W392-SCC | 7W10777.D | 1 | 11/26/24 | WC | n/a | n/a | V7W392 |

**The QC reported here (Summa A1858) applies to the following samples:** **Method:** TO-15

Batch CP12926 cleaned 11/16/24: JE2491-1(A1726), JE2491-2(A1735), JE2491-4(A1688)

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 100% | 65-128% |

(a) This compound in blank spike is outside in house QC limits bias high.

# Summa Cleaning Certification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V7W394-SCC | 7W10831.D | 1 | 11/28/24 | BK | n/a | n/a | V7W394 |

**The QC reported here (Summa A792) applies to the following samples:** **Method:** TO-15

Batch CP12897 cleaned 10/01/24: JE2491-2(M442)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 92% | 65-128% |

# Summa Cleaning Certification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---|---|---|---|---|---|---|---|
| V5W2132-SCC | 5W55670A.D | 1 | 12/16/24 | TCH | n/a | n/a | V5W2132 |

**The QC reported here (Summa A1800) applies to the following samples:** **Method:** TO-15

Batch CP12944 cleaned 12/11/24: JE2491-4(M143)

| CAS No. | Compound | Result | RL | Units | Q | Result | RL | Units |
|---|---|---|---|---|---|---|---|---|
| 67-64-1 | Acetone (2-Propanone) | ND | 0.20 | ppbv | | ND | 0.48 | ug/m3 |

| CAS No. | Surrogate Recoveries | | Limits |
|---|---|---|---|
| 460-00-4 | 4-Bromofluorobenzene | 113% | 65-128% |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-BFB
**Lab File ID:** 5W55458.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/09/24
**Injection Time:** 03:34

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 87907 | 21.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 218027 | 52.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 418581 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 28349 | 6.77 | | Pass |
| 173 | Less than 2.0% of mass 174 | 3695 | 0.88 | (1.07) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 343765 | 82.1 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 26424 | 6.31 | (7.69) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 334720 | 80.0 | (97.4) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 22512 | 5.38 | (6.73) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 | 04:14 | 00:40 | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 | 04:54 | 01:20 | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 | 05:35 | 02:01 | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 | 06:59 | 03:25 | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 | 07:45 | 04:11 | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 | 09:03 | 05:29 | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 | 09:45 | 06:11 | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 | 10:29 | 06:55 | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 | 11:14 | 07:40 | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 | 13:55 | 10:21 | Initial cal verification 10 |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2132-BFB
**Lab File ID:** 5W55663.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/16/24
**Injection Time:** 12:41

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 101069 | 23.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 267968 | 61.5 | | Pass |
| 95 | Base peak, 100% relative abundance | 435499 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 29261 | 6.72 | | Pass |
| 173 | Less than 2.0% of mass 174 | 1816 | 0.42 | (0.43) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 426539 | 97.9 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 32493 | 7.46 | (7.62) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 413696 | 95.0 | (97.0) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 27451 | 6.30 | (6.64) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2132-CC2125 | 5W55664.D | 12/16/24 | 13:21 | 00:40 | Continuing cal 10 |
| V5W2132-BS | 5W55665.D | 12/16/24 | 14:48 | 02:07 | Blank Spike |
| V5W2132-BSD | 5W55666.D | 12/16/24 | 15:29 | 02:48 | Blank Spike Duplicate |
| V5W2132-MB | 5W55670.D | 12/16/24 | 18:38 | 05:57 | Method Blank |
| V5W2132-SCC | 5W55670A.D | 12/16/24 | 18:38 | 05:57 | Summa Cleaning Certification |
| V5W2132-SCC | 5W55671.D | 12/16/24 | 19:23 | 06:42 | Summa Cleaning Certification |
| V5W2132-SCC | 5W55672.D | 12/16/24 | 20:09 | 07:28 | Summa Cleaning Certification |
| ZZZZZZ | 5W55673.D | 12/16/24 | 20:57 | 08:16 | (unrelated sample) |
| JE2487-4 | 5W55674.D | 12/16/24 | 21:45 | 09:04 | (used for QC only; not part of job JE2491) |
| JE2487-4DUP | 5W55675.D | 12/16/24 | 22:33 | 09:52 | Duplicate |
| ZZZZZZ | 5W55676.D | 12/16/24 | 23:21 | 10:40 | (unrelated sample) |
| ZZZZZZ | 5W55677.D | 12/17/24 | 00:02 | 11:21 | (unrelated sample) |
| ZZZZZZ | 5W55678.D | 12/17/24 | 00:43 | 12:02 | (unrelated sample) |
| ZZZZZZ | 5W55679.D | 12/17/24 | 01:22 | 12:41 | (unrelated sample) |
| ZZZZZZ | 5W55680.D | 12/17/24 | 02:03 | 13:22 | (unrelated sample) |
| ZZZZZZ | 5W55681.D | 12/17/24 | 02:43 | 14:02 | (unrelated sample) |
| ZZZZZZ | 5W55682.D | 12/17/24 | 03:24 | 14:43 | (unrelated sample) |
| ZZZZZZ | 5W55683.D | 12/17/24 | 04:05 | 15:24 | (unrelated sample) |
| ZZZZZZ | 5W55684.D | 12/17/24 | 04:46 | 16:05 | (unrelated sample) |
| ZZZZZZ | 5W55685.D | 12/17/24 | 05:27 | 16:46 | (unrelated sample) |
| ZZZZZZ | 5W55686.D | 12/17/24 | 06:08 | 17:27 | (unrelated sample) |
| V5W2132-SCC | 5W55688.D | 12/17/24 | 07:34 | 18:53 | Summa Cleaning Certification |
| ZZZZZZ | 5W55689.D | 12/17/24 | 08:21 | 19:40 | (unrelated sample) |
| ZZZZZZ | 5W55690.D | 12/17/24 | 09:07 | 20:26 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V5W2132-BFB | **Injection Date:** | 12/16/24 |
| **Lab File ID:** | 5W55663.D | **Injection Time:** | 12:41 |
| **Instrument ID:** | GCMS5W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 5W55691.D | 12/17/24 | 09:53 | 21:12 | (unrelated sample) |
| ZZZZZZ | 5W55692.D | 12/17/24 | 10:53 | 22:12 | (unrelated sample) |
| ZZZZZZ | 5W55693.D | 12/17/24 | 11:40 | 22:59 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2133-BFB
**Lab File ID:** 5W55699.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/17/24
**Injection Time:** 19:52

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 105096 | 23.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 264789 | 58.6 | | Pass |
| 95 | Base peak, 100% relative abundance | 452053 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 29944 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 2112 | 0.47 | (0.43) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 488917 | 108.2 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 38499 | 8.52 | (7.87) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 492928 | 109.0 | (100.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 32312 | 7.15 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2133-CC2125 | 5W55700.D | 12/17/24 | 20:32 | 00:40 | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 | 21:13 | 01:21 | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 | 22:35 | 02:43 | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 | 00:51 | 04:59 | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 | 01:36 | 05:44 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 | 03:08 | 07:16 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 | 05:29 | 09:37 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 | 06:16 | 10:24 | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 | 07:02 | 11:10 | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 | 08:40 | 12:48 | (used for QC only; not part of job JE2491) |
| JE2488-2DUP | 5W55717.D | 12/18/24 | 09:29 | 13:37 | Duplicate |
| ZZZZZZ | 5W55721.D | 12/18/24 | 12:42 | 16:50 | (unrelated sample) |
| JE2491-2 | 5W55722.D | 12/18/24 | 13:30 | 17:38 | IA-3 |
| ZZZZZZ | 5W55724.D | 12/18/24 | 14:59 | 19:07 | (unrelated sample) |
| ZZZZZZ | 5W55725.D | 12/18/24 | 15:40 | 19:48 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V5W2136-BFB | **Injection Date:** | 12/20/24 |
| **Lab File ID:** | 5W55777.D | **Injection Time:** | 12:26 |
| **Instrument ID:** | GCMS5W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 103472 | 19.2 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 287701 | 53.3 | | Pass |
| 95 | Base peak, 100% relative abundance | 539797 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 34869 | 6.46 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 639147 | 118.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 46992 | 8.71 | (7.35) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 621632 | 115.2 | (97.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 40723 | 7.54 | (6.55) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2136-CC2125 | 5W55778.D | 12/20/24 | 13:06 | 00:40 | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 | 13:55 | 01:29 | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 | 15:34 | 03:08 | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 | 17:06 | 04:40 | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 | 18:21 | 05:55 | (used for QC only; not part of job JE2491) |
| JE2665-1DUP | 5W55785.D | 12/20/24 | 19:03 | 06:37 | Duplicate |
| ZZZZZZ | 5W55786.D | 12/20/24 | 19:55 | 07:29 | (unrelated sample) |
| ZZZZZZ | 5W55788.D | 12/20/24 | 21:22 | 08:56 | (unrelated sample) |
| ZZZZZZ | 5W55789.D | 12/20/24 | 22:14 | 09:48 | (unrelated sample) |
| ZZZZZZ | 5W55790.D | 12/20/24 | 22:55 | 10:29 | (unrelated sample) |
| ZZZZZZ | 5W55791.D | 12/20/24 | 23:46 | 11:20 | (unrelated sample) |
| ZZZZZZ | 5W55792.D | 12/21/24 | 00:26 | 12:00 | (unrelated sample) |
| ZZZZZZ | 5W55793.D | 12/21/24 | 01:09 | 12:43 | (unrelated sample) |
| ZZZZZZ | 5W55794.D | 12/21/24 | 01:49 | 13:23 | (unrelated sample) |
| JE2491-1 | 5W55795.D | 12/21/24 | 02:30 | 14:04 | SS-3 |
| JE2491-2 | 5W55796.D | 12/21/24 | 03:11 | 14:45 | IA-3 |
| JE2491-3 | 5W55797.D | 12/21/24 | 03:54 | 15:28 | SS-4 |
| ZZZZZZ | 5W55799.D | 12/21/24 | 05:21 | 16:55 | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 | 06:08 | 17:42 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2138-BFB
**Lab File ID:** 5W55818.D
**Instrument ID:** GCMS5W
**Injection Date:** 12/23/24
**Injection Time:** 08:13

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 80464 | 22.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 208725 | 57.0 | | Pass |
| 95 | Base peak, 100% relative abundance | 365867 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 24203 | 6.62 | | Pass |
| 173 | Less than 2.0% of mass 174 | 0 | 0.00 | (0.00) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 437760 | 119.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 33048 | 9.03 | (7.55) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 427712 | 116.9 | (97.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 29384 | 8.03 | (6.87) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V5W2138-CC2125 | 5W55819.D | 12/23/24 | 09:11 | 00:58 | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 | 10:07 | 01:54 | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 | 11:17 | 03:04 | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 | 12:54 | 04:41 | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 | 14:29 | 06:16 | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 | 15:24 | 07:11 | (used for QC only; not part of job JE2491) |
| JE2315-1DUP | 5W55826.D | 12/23/24 | 16:11 | 07:58 | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 | 16:52 | 08:39 | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 | 17:34 | 09:21 | (unrelated sample) |
| ZZZZZZ | 5W55829.D | 12/23/24 | 18:20 | 10:07 | (unrelated sample) |
| ZZZZZZ | 5W55830.D | 12/23/24 | 19:01 | 10:48 | (unrelated sample) |
| JE2491-2 | 5W55831.D | 12/23/24 | 19:43 | 11:30 | IA-3 |
| ZZZZZZ | 5W55833.D | 12/23/24 | 21:09 | 12:56 | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 | 21:56 | 13:43 | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 | 22:42 | 14:29 | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 | 23:28 | 15:15 | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 | 00:14 | 16:01 | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 | 01:01 | 16:48 | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 | 01:54 | 17:41 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W305-BFB | **Injection Date:** | 08/18/24 |
| **Lab File ID:** | 7W07974.D | **Injection Time:** | 21:06 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 20443 | 24.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 43320 | 51.7 | | Pass |
| 95 | Base peak, 100% relative abundance | 83736 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 5915 | 7.06 | | Pass |
| 173 | Less than 2.0% of mass 174 | 627 | 0.75 | (1.02) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 61525 | 73.5 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4526 | 5.41 | (7.36) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 58768 | 70.2 | (95.5) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3856 | 4.60 | (6.56) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 | 21:40 | 00:34 | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 | 22:13 | 01:07 | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 | 22:49 | 01:43 | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 | 23:22 | 02:16 | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 | 00:01 | 02:55 | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 | 00:35 | 03:29 | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 | 01:10 | 04:04 | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 | 01:48 | 04:42 | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 | 02:28 | 05:22 | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 | 06:28 | 09:22 | Initial cal verification 10 |
| V7W306-BS | 7W07991.D | 08/19/24 | 07:07 | 10:01 | Blank Spike |
| V7W306-BSD | 7W07992.D | 08/19/24 | 07:40 | 10:34 | Blank Spike Duplicate |
| V7W306-MB | 7W07996.D | 08/19/24 | 10:30 | 13:24 | Method Blank |
| ZZZZZZ | 7W07997.D | 08/19/24 | 11:04 | 13:58 | (unrelated sample) |
| ZZZZZZ | 7W07998.D | 08/19/24 | 11:39 | 14:33 | (unrelated sample) |
| ZZZZZZ | 7W07999.D | 08/19/24 | 12:15 | 15:09 | (unrelated sample) |
| JD93469-1 | 7W08000.D | 08/19/24 | 12:50 | 15:44 | (used for QC only; not part of job JE2491) |
| JD93469-1DUP | 7W08001.D | 08/19/24 | 13:26 | 16:20 | Duplicate |
| ZZZZZZ | 7W08002.D | 08/19/24 | 14:07 | 17:01 | (unrelated sample) |
| ZZZZZZ | 7W08003.D | 08/19/24 | 14:50 | 17:44 | (unrelated sample) |
| ZZZZZZ | 7W08004.D | 08/19/24 | 15:30 | 18:24 | (unrelated sample) |
| ZZZZZZ | 7W08005.D | 08/19/24 | 16:05 | 18:59 | (unrelated sample) |
| ZZZZZZ | 7W08006.D | 08/19/24 | 16:46 | 19:40 | (unrelated sample) |
| ZZZZZZ | 7W08007.D | 08/19/24 | 17:31 | 20:25 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W305-BFB | **Injection Date:** | 08/18/24 |
| **Lab File ID:** | 7W07974.D | **Injection Time:** | 21:06 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| ZZZZZZ | 7W08008.D | 08/19/24 | 18:11 | 21:05 | (unrelated sample) |
| ZZZZZZ | 7W08009.D | 08/19/24 | 18:52 | 21:46 | (unrelated sample) |
| ZZZZZZ | 7W08010.D | 08/19/24 | 20:04 | 22:58 | (unrelated sample) |
| ZZZZZZ | 7W08011.D | 08/19/24 | 20:43 | 23:37 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W387-BFB
**Lab File ID:** 7W10575.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/18/24
**Injection Time:** 08:59

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 12830 | 18.3 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 33101 | 47.2 | | Pass |
| 95 | Base peak, 100% relative abundance | 70203 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4918 | 7.01 | | Pass |
| 173 | Less than 2.0% of mass 174 | 423 | 0.60 | (0.70) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 60187 | 85.7 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 4410 | 6.28 | (7.33) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 57075 | 81.3 | (94.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3652 | 5.20 | (6.40) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-CC305 | 7W10576.D | 11/18/24 | 09:35 | 00:36 | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 | 10:11 | 01:12 | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 | 10:46 | 01:47 | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 | 12:04 | 03:05 | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 | 13:59 | 05:00 | (used for QC only; not part of job JE2491) |
| JD99820-1DUP | 7W10583.D | 11/18/24 | 14:40 | 05:41 | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 | 15:21 | 06:22 | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 | 16:44 | 07:45 | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 | 17:25 | 08:26 | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 | 18:07 | 09:08 | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 | 19:30 | 10:31 | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 | 20:11 | 11:12 | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 | 20:52 | 11:53 | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 | 21:28 | 12:29 | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 | 22:04 | 13:05 | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 | 22:41 | 13:42 | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 | 23:53 | 14:54 | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 | 00:29 | 15:30 | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 | 01:06 | 16:07 | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 | 02:18 | 17:19 | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 | 02:55 | 17:56 | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 | 03:31 | 18:32 | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 | 04:07 | 19:08 | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 | 04:48 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W387-BFB | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10575.D | **Injection Time:** | 08:59 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W387-SCC | 7W10606.D | 11/19/24 | 05:29 | 20:30 | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 | 06:10 | 21:11 | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 | 06:51 | 21:52 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W392-BFB | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10742.D | **Injection Time:** | 08:36 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 15330 | 21.5 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 35867 | 50.4 | | Pass |
| 95 | Base peak, 100% relative abundance | 71168 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4636 | 6.51 | | Pass |
| 173 | Less than 2.0% of mass 174 | 555 | 0.78 | (1.03) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 53835 | 75.6 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3970 | 5.58 | (7.37) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 52037 | 73.1 | (96.7) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3340 | 4.69 | (6.42) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-CC305 | 7W10743.D | 11/25/24 | 09:11 | 00:35 | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 | 09:50 | 01:14 | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 | 10:26 | 01:50 | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 | 11:46 | 03:10 | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 | 12:29 | 03:53 | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 | 13:04 | 04:28 | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 | 13:39 | 05:03 | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 | 14:14 | 05:38 | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 | 14:56 | 06:20 | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 | 16:07 | 07:31 | (used for QC only; not part of job JE2491) |
| ZZZZZZ | 7W10757.D | 11/25/24 | 17:55 | 09:19 | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 | 18:30 | 09:54 | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 | 19:05 | 10:29 | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 | 19:40 | 11:04 | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 | 20:16 | 11:40 | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 | 21:26 | 12:50 | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 | 22:01 | 13:25 | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 | 22:38 | 14:02 | (used for QC only; not part of job JE2491) |
| ZZZZZZ | 7W10766.D | 11/25/24 | 23:19 | 14:43 | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 | 00:00 | 15:24 | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 | 00:42 | 16:06 | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 | 02:42 | 18:06 | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 | 03:23 | 18:47 | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 | 04:04 | 19:28 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W392-BFB | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10742.D | **Injection Time:** | 08:36 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W392-SCC | 7W10774.D | 11/26/24 | 04:44 | 20:08 | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 | 05:25 | 20:49 | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 | 06:47 | 22:11 | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 | 08:24 | 23:48 | Duplicate |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W394-BFB
**Lab File ID:** 7W10809.D
**Instrument ID:** GCMS7W
**Injection Date:** 11/27/24
**Injection Time:** 18:19

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 13271 | 19.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 31925 | 46.6 | | Pass |
| 95 | Base peak, 100% relative abundance | 68491 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 4421 | 6.45 | | Pass |
| 173 | Less than 2.0% of mass 174 | 351 | 0.51 | (0.71) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 49464 | 72.2 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 3552 | 5.19 | (7.18) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 47395 | 69.2 | (95.8) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 3165 | 4.62 | (6.68) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W394-CC305 | 7W10810.D | 11/27/24 | 18:54 | 00:35 | Continuing cal 10 |
| V7W394-BS | 7W10811.D | 11/27/24 | 19:39 | 01:20 | Blank Spike |
| V7W394-BSD | 7W10812.D | 11/27/24 | 20:15 | 01:56 | Blank Spike Duplicate |
| V7W394-MB | 7W10814.D | 11/27/24 | 21:31 | 03:12 | Method Blank |
| V7W394-SCC | 7W10816.D | 11/27/24 | 22:42 | 04:23 | Summa Cleaning Certification |
| V7W394-SCC | 7W10817.D | 11/27/24 | 23:18 | 04:59 | Summa Cleaning Certification |
| V7W394-SCC | 7W10818.D | 11/27/24 | 23:53 | 05:34 | Summa Cleaning Certification |
| V7W394-SCC | 7W10819.D | 11/28/24 | 00:29 | 06:10 | Summa Cleaning Certification |
| V7W394-SCC | 7W10820.D | 11/28/24 | 01:04 | 06:45 | Summa Cleaning Certification |
| V7W394-SCC | 7W10822.D | 11/28/24 | 02:14 | 07:55 | Summa Cleaning Certification |
| V7W394-SCC | 7W10823.D | 11/28/24 | 02:50 | 08:31 | Summa Cleaning Certification |
| V7W394-SCC | 7W10824.D | 11/28/24 | 03:26 | 09:07 | Summa Cleaning Certification |
| V7W394-SCC | 7W10825.D | 11/28/24 | 04:02 | 09:43 | Summa Cleaning Certification |
| V7W394-SCC | 7W10826.D | 11/28/24 | 04:38 | 10:19 | Summa Cleaning Certification |
| V7W394-SCC | 7W10828.D | 11/28/24 | 05:49 | 11:30 | Summa Cleaning Certification |
| V7W394-SCC | 7W10831.D | 11/28/24 | 07:35 | 13:16 | Summa Cleaning Certification |
| V7W394-SCC | 7W10833.D | 11/28/24 | 08:46 | 14:27 | Summa Cleaning Certification |
| V7W394-SCC | 7W10836.D | 11/28/24 | 10:34 | 16:15 | Summa Cleaning Certification |
| V7W394-SCC | 7W10837.D | 11/28/24 | 11:09 | 16:50 | Summa Cleaning Certification |
| V7W394-SCC | 7W10838.D | 11/28/24 | 11:45 | 17:26 | Summa Cleaning Certification |
| V7W394-SCC | 7W10839.D | 11/28/24 | 12:20 | 18:01 | Summa Cleaning Certification |
| V7W394-SCC | 7W10840.D | 11/28/24 | 12:55 | 18:36 | Summa Cleaning Certification |
| V7W394-SCC | 7W10841.D | 11/28/24 | 13:31 | 19:12 | Summa Cleaning Certification |
| V7W394-SCC | 7W10842.D | 11/28/24 | 14:08 | 19:49 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W394-BFB | **Injection Date:** | 11/27/24 |
| **Lab File ID:** | 7W10809.D | **Injection Time:** | 18:19 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W394-SCC | 7W10843.D | 11/28/24 | 14:44 | 20:25 | Summa Cleaning Certification |
| V7W394-SCC | 7W10844.D | 11/28/24 | 15:19 | 21:00 | Summa Cleaning Certification |
| V7W394-SCC | 7W10845.D | 11/28/24 | 15:55 | 21:36 | Summa Cleaning Certification |
| V7W394-SCC | 7W10846.D | 11/28/24 | 16:32 | 22:13 | Summa Cleaning Certification |
| V7W394-SCC | 7W10847.D | 11/28/24 | 17:07 | 22:48 | Summa Cleaning Certification |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W405-BFB
**Lab File ID:** 7W11232.D
**Instrument ID:** GCMS7W
**Injection Date:** 12/28/24
**Injection Time:** 08:40

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 32515 | 22.0 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 74333 | 50.3 | | Pass |
| 95 | Base peak, 100% relative abundance | 147925 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 9647 | 6.52 | | Pass |
| 173 | Less than 2.0% of mass 174 | 1064 | 0.72 | (0.95) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 111515 | 75.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 7970 | 5.39 | (7.15) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 106229 | 71.8 | (95.3) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 7045 | 4.76 | (6.63) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 | 09:16 | 00:36 | Initial cal 0.04 |
| V7W405-IC405 | 7W11234.D | 12/28/24 | 09:53 | 01:13 | Initial cal 0.10 |
| V7W405-IC405 | 7W11235.D | 12/28/24 | 10:32 | 01:52 | Initial cal 0.20 |
| V7W405-IC405 | 7W11237.D | 12/28/24 | 11:51 | 03:11 | Initial cal 0.50 |
| V7W405-IC405 | 7W11238.D | 12/28/24 | 12:34 | 03:54 | Initial cal 5 |
| V7W405-ICC405 | 7W11240.D | 12/28/24 | 13:47 | 05:07 | Initial cal 10 |
| V7W405-IC405 | 7W11241.D | 12/28/24 | 14:25 | 05:45 | Initial cal 20 |
| V7W405-IC405 | 7W11242.D | 12/28/24 | 15:08 | 06:28 | Initial cal 40 |
| V7W405-IC405 | 7W11243.D | 12/28/24 | 15:52 | 07:12 | Initial cal 50 |
| V7W405-ICV405 | 7W11247.D | 12/28/24 | 18:36 | 09:56 | Initial cal verification 10 |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W414-BFB | **Injection Date:** | 01/06/25 |
| **Lab File ID:** | 7W11534.D | **Injection Time:** | 20:16 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 34869 | 24.5 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 73968 | 52.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 142037 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 9382 | 6.61 | | Pass |
| 173 | Less than 2.0% of mass 174 | 971 | 0.68 | (0.90) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 107736 | 75.9 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 7770 | 5.47 | (7.21) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 103845 | 73.1 | (96.4) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 6589 | 4.64 | (6.35) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W414-CC405 | 7W11535.D | 01/06/25 | 20:54 | 00:38 | Continuing cal 10 |
| V7W414-BS | 7W11536.D | 01/06/25 | 21:31 | 01:15 | Blank Spike |
| V7W414-BSD | 7W11537.D | 01/06/25 | 22:08 | 01:52 | Blank Spike Duplicate |
| V7W414-MB | 7W11539.D | 01/06/25 | 23:35 | 03:19 | Method Blank |
| V7W414-SCC | 7W11540.D | 01/07/25 | 00:19 | 04:03 | Summa Cleaning Certification |
| V7W414-SCC | 7W11542.D | 01/07/25 | 01:41 | 05:25 | Summa Cleaning Certification |
| JE2491-4 | 7W11545.D | 01/07/25 | 03:36 | 07:20 | IA-4 |
| ZZZZZZ | 7W11546.D | 01/07/25 | 04:17 | 08:01 | (unrelated sample) |
| ZZZZZZ | 7W11547.D | 01/07/25 | 04:56 | 08:40 | (unrelated sample) |
| JE2792-5 | 7W11548.D | 01/07/25 | 05:40 | 09:24 | (used for QC only; not part of job JE2491) |
| JE2792-5DUP | 7W11549.D | 01/07/25 | 06:24 | 10:08 | Duplicate |
| ZZZZZZ | 7W11550.D | 01/07/25 | 07:03 | 10:47 | (unrelated sample) |
| ZZZZZZ | 7W11551.D | 01/07/25 | 07:42 | 11:26 | (unrelated sample) |
| ZZZZZZ | 7W11552.D | 01/07/25 | 08:22 | 12:06 | (unrelated sample) |
| ZZZZZZ | 7W11553.D | 01/07/25 | 09:01 | 12:45 | (unrelated sample) |
| ZZZZZZ | 7W11554.D | 01/07/25 | 09:40 | 13:24 | (unrelated sample) |
| ZZZZZZ | 7W11555.D | 01/07/25 | 10:19 | 14:03 | (unrelated sample) |
| ZZZZZZ | 7W11556.D | 01/07/25 | 10:58 | 14:42 | (unrelated sample) |
| ZZZZZZ | 7W11557.D | 01/07/25 | 11:42 | 15:26 | (unrelated sample) |
| ZZZZZZ | 7W11558.D | 01/07/25 | 12:21 | 16:05 | (unrelated sample) |
| ZZZZZZ | 7W11559.D | 01/07/25 | 13:03 | 16:47 | (unrelated sample) |
| ZZZZZZ | 7W11560.D | 01/07/25 | 13:50 | 17:34 | (unrelated sample) |
| ZZZZZZ | 7W11561.D | 01/07/25 | 14:36 | 18:20 | (unrelated sample) |
| JE3178-5 | 7W11562.D | 01/07/25 | 15:14 | 18:58 | (used for QC only; not part of job JE2491) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W414-BFB | **Injection Date:** | 01/06/25 |
| **Lab File ID:** | 7W11534.D | **Injection Time:** | 20:16 |
| **Instrument ID:** | GCMS7W | | |

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| JE3178-5DUP | 7W11563.D | 01/07/25 | 15:53 | 19:37 | Duplicate |
| ZZZZZZ | 7W11566.D | 01/07/25 | 17:55 | 21:39 | (unrelated sample) |
| ZZZZZZ | 7W11567.D | 01/07/25 | 18:33 | 22:17 | (unrelated sample) |
| ZZZZZZ | 7W11568.D | 01/07/25 | 19:13 | 22:57 | (unrelated sample) |
| ZZZZZZ | 7W11569.D | 01/07/25 | 19:55 | 23:39 | (unrelated sample) |

# Instrument Performance Check (BFB)



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Sample:** | V7W415-BFB | **Injection Date:** | 01/07/25 |
| **Lab File ID:** | 7W11570.D | **Injection Time:** | 20:52 |
| **Instrument ID:** | GCMS7W | | |

| m/e | Ion Abundance Criteria | Raw Abundance | % Relative Abundance | | Pass/Fail |
|---|---|---|---|---|---|
| 50 | 8.0 - 40.0% of mass 95 | 35117 | 24.4 | | Pass |
| 75 | 30.0 - 66.0% of mass 95 | 74984 | 52.1 | | Pass |
| 95 | Base peak, 100% relative abundance | 143936 | 100.0 | | Pass |
| 96 | 5.0 - 9.0% of mass 95 | 9388 | 6.52 | | Pass |
| 173 | Less than 2.0% of mass 174 | 832 | 0.58 | (0.76) [a] | Pass |
| 174 | 50.0 - 120.0% of mass 95 | 109941 | 76.4 | | Pass |
| 175 | 4.0 - 9.01% of mass 174 | 7809 | 5.43 | (7.10) [a] | Pass |
| 176 | 93.0 - 101.0% of mass 174 | 105816 | 73.5 | (96.2) [a] | Pass |
| 177 | 5.0 - 9.0% of mass 176 | 6522 | 4.53 | (6.16) [b] | Pass |

(a) Value is % of mass 174
(b) Value is % of mass 176

**This check applies to the following Samples, MS, MSD, Blanks, and Standards:**

| Lab Sample ID | Lab File ID | Date Analyzed | Time Analyzed | Hours Lapsed | Client Sample ID |
|---|---|---|---|---|---|
| V7W415-CC405 | 7W11571.D | 01/07/25 | 21:29 | 00:37 | Continuing cal 10 |
| V7W415-BS | 7W11572.D | 01/07/25 | 22:06 | 01:14 | Blank Spike |
| V7W415-BSD | 7W11573.D | 01/07/25 | 22:43 | 01:51 | Blank Spike Duplicate |
| V7W415-MB | 7W11575.D | 01/08/25 | 00:11 | 03:19 | Method Blank |
| V7W415-SCC | 7W11576.D | 01/08/25 | 00:54 | 04:02 | Summa Cleaning Certification |
| V7W415-SCC | 7W11578.D | 01/08/25 | 02:16 | 05:24 | Summa Cleaning Certification |
| V7W415-SCC | 7W11579.D | 01/08/25 | 02:59 | 06:07 | Summa Cleaning Certification |
| ZZZZZZ | 7W11580.D | 01/08/25 | 03:38 | 06:46 | (unrelated sample) |
| ZZZZZZ | 7W11581.D | 01/08/25 | 04:23 | 07:31 | (unrelated sample) |
| V7W415-SCC | 7W11582.D | 01/08/25 | 05:06 | 08:14 | Summa Cleaning Certification |
| ZZZZZZ | 7W11583.D | 01/08/25 | 05:50 | 08:58 | (unrelated sample) |
| ZZZZZZ | 7W11584.D | 01/08/25 | 06:34 | 09:42 | (unrelated sample) |
| JE3433-3 | 7W11585.D | 01/08/25 | 07:18 | 10:26 | (used for QC only; not part of job JE2491) |
| JE3433-3DUP | 7W11588.D | 01/08/25 | 15:57 | 19:05 | Duplicate |
| ZZZZZZ | 7W11589.D | 01/08/25 | 16:34 | 19:42 | (unrelated sample) |
| ZZZZZZ | 7W11591.D | 01/08/25 | 18:06 | 21:14 | (unrelated sample) |
| ZZZZZZ | 7W11592.D | 01/08/25 | 18:52 | 22:00 | (unrelated sample) |
| ZZZZZZ | 7W11593.D | 01/08/25 | 19:37 | 22:45 | (unrelated sample) |
| JE2491-4 | 7W11594.D | 01/08/25 | 20:22 | 23:30 | IA-4 |

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2132-CC2125 | **Injection Date:** | 12/16/24 |
| **Lab File ID:** | 5W55664.D | **Injection Time:** | 13:21 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 322460 | 7.67 | 1489170 | 9.83 | 993103 | 15.35 |
| Upper Limit [a] | 451444 | 8.00 | 2084838 | 10.16 | 1390344 | 15.68 |
| Lower Limit [b] | 193476 | 7.34 | 893502 | 9.50 | 595862 | 15.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2132-BS | 341152 | 7.67 | 1550754 | 9.83 | 1025782 | 15.34 |
| V5W2132-BSD | 328331 | 7.67 | 1518453 | 9.83 | 1014713 | 15.35 |
| V5W2132-MB | 351933 | 7.66 | 1652348 | 9.83 | 979891 | 15.34 |
| V5W2132-SCC | 351933 | 7.66 | 1652348 | 9.83 | 979891 | 15.34 |
| V5W2132-SCC | 364037 | 7.66 | 1592616 | 9.83 | 1005649 | 15.34 |
| V5W2132-SCC | 358452 | 7.66 | 1494109 | 9.83 | 1003602 | 15.34 |
| ZZZZZZ | 279715 | 7.67 | 1392537 | 9.83 | 858944 | 15.34 |
| JE2487-4 | 277269 | 7.67 | 1350782 | 9.83 | 827218 | 15.35 |
| JE2487-4DUP | 279421 | 7.67 | 1362931 | 9.83 | 788847 | 15.34 |
| ZZZZZZ | 277336 | 7.67 | 1355901 | 9.83 | 836365 | 15.34 |
| ZZZZZZ | 273073 | 7.67 | 1333849 | 9.83 | 785500 | 15.34 |
| ZZZZZZ | 276954 | 7.67 | 1345536 | 9.83 | 774423 | 15.34 |
| ZZZZZZ | 269136 | 7.67 | 1303757 | 9.83 | 724093 | 15.34 |
| ZZZZZZ | 278388 | 7.66 | 1344968 | 9.83 | 804996 | 15.34 |
| ZZZZZZ | 285979 | 7.67 | 1400047 | 9.83 | 839393 | 15.34 |
| ZZZZZZ | 272171 | 7.66 | 1346089 | 9.83 | 840735 | 15.34 |
| ZZZZZZ | 286499 | 7.67 | 1400540 | 9.83 | 868483 | 15.34 |
| ZZZZZZ | 282275 | 7.66 | 1372616 | 9.83 | 854374 | 15.34 |
| ZZZZZZ | 284462 | 7.66 | 1375628 | 9.83 | 812932 | 15.34 |
| ZZZZZZ | 286564 | 7.66 | 1393907 | 9.83 | 855919 | 15.34 |
| V5W2132-SCC | 294351 | 7.66 | 1399989 | 9.83 | 827427 | 15.34 |
| ZZZZZZ | 242805 | 7.66 | 1181625 | 9.83 | 720130 | 15.34 |
| ZZZZZZ | 244129 | 7.66 | 1195765 | 9.83 | 755239 | 15.34 |
| ZZZZZZ | 260698 | 7.66 | 1263011 | 9.83 | 792763 | 15.34 |
| ZZZZZZ | 256044 | 7.66 | 1245715 | 9.83 | 783760 | 15.34 |
| ZZZZZZ | 243432 | 7.66 | 1190802 | 9.83 | 753521 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2133-CC2125 | **Injection Date:** | 12/17/24 |
| **Lab File ID:** | 5W55700.D | **Injection Time:** | 20:32 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 283490 | 7.67 | 1320983 | 9.83 | 829640 | 15.35 |
| Upper Limit [a] | 396886 | 8.00 | 1849376 | 10.16 | 1161496 | 15.68 |
| Lower Limit [b] | 170094 | 7.34 | 792590 | 9.50 | 497784 | 15.02 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2133-BS | 313892 | 7.67 | 1454050 | 9.83 | 902926 | 15.35 |
| V5W2133-BSD | 319491 | 7.66 | 1462454 | 9.83 | 906713 | 15.34 |
| V5W2133-MB | 295908 | 7.66 | 1754729 | 9.83 | 953484 | 15.34 |
| V5W2133-SCC | 267595 | 7.66 | 1285097 | 9.83 | 733872 | 15.34 |
| V5W2133-SCC | 208981 | 7.66 | 1029779 | 9.83 | 606483 | 15.34 |
| V5W2133-SCC | 190751 | 7.66 | 939930 | 9.83 | 559452 | 15.34 |
| V5W2133-SCC | 188591 | 7.66 | 933317 | 9.83 | 548791 | 15.34 |
| V5W2133-SCC | 197470 | 7.66 | 973511 | 9.83 | 568347 | 15.34 |
| JE2488-2 | 155758[c] | 7.66 | 802815 | 9.83 | 500617 | 15.34 |
| JE2488-2DUP | 156769[d] | 7.66 | 796945 | 9.83 | 502343 | 15.34 |
| ZZZZZZ | 201833 | 7.68 | 1009609 | 9.83 | 643332 | 15.34 |
| JE2491-2 | 233544 | 7.70 | 1103107 | 9.85 | 630888 | 15.35 |
| ZZZZZZ | 245099 | 7.66 | 1200195 | 9.83 | 651740 | 15.34 |
| ZZZZZZ | 201759 | 7.66 | 999601 | 9.83 | 548542 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside of in house control limits.
(d) Outside in house control limits.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2136-CC2125 | **Injection Date:** | 12/20/24 |
| **Lab File ID:** | 5W55778.D | **Injection Time:** | 13:06 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 318888 | 7.67 | 1469982 | 9.83 | 896125 | 15.34 |
| Upper Limit [a] | 446443 | 8.00 | 2057975 | 10.16 | 1254575 | 15.67 |
| Lower Limit [b] | 191333 | 7.34 | 881989 | 9.50 | 537675 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2136-BS | 349857 | 7.66 | 1633756 | 9.83 | 962940 | 15.34 |
| V5W2136-BSD | 369460 | 7.66 | 1679765 | 9.83 | 969387 | 15.34 |
| V5W2136-MB | 420264 | 7.66 | 1982756 | 9.82 | 1052285 | 15.34 |
| JE2665-1 | 347680 | 7.66 | 1679178 | 9.82 | 908149 | 15.34 |
| JE2665-1DUP | 276928 | 7.66 | 1339103 | 9.83 | 728500 | 15.34 |
| ZZZZZZ | 255725 | 7.66 | 1259383 | 9.82 | 729011 | 15.34 |
| ZZZZZZ | 223902 | 7.66 | 1101737 | 9.83 | 600369 | 15.34 |
| ZZZZZZ | 246511 | 7.66 | 1204091 | 9.83 | 692043 | 15.34 |
| ZZZZZZ | 218794 | 7.66 | 1076421 | 9.83 | 562673 | 15.34 |
| ZZZZZZ | 241587 | 7.68 | 1193445 | 9.83 | 722409 | 15.34 |
| ZZZZZZ | 263063 | 7.66 | 1287566 | 9.83 | 720552 | 15.34 |
| ZZZZZZ | 230773 | 7.66 | 1129671 | 9.83 | 553501 | 15.34 |
| ZZZZZZ | 245552 | 7.67 | 1188779 | 9.83 | 677814 | 15.34 |
| JE2491-1 | 216763 | 7.66 | 1073025 | 9.83 | 603430 | 15.34 |
| JE2491-2 | 214306 | 7.67 | 1052666 | 9.83 | 558080 | 15.34 |
| JE2491-3 | 219702 | 7.66 | 1077760 | 9.83 | 597639 | 15.34 |
| ZZZZZZ | 228599 | 7.66 | 1121534 | 9.83 | 646592 | 15.34 |
| ZZZZZZ | 226170 | 7.66 | 1109122 | 9.83 | 641061 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V5W2138-CC2125 | **Injection Date:** | 12/23/24 |
| **Lab File ID:** | 5W55819.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS5W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 263070 | 7.67 | 1217301 | 9.83 | 738303 | 15.34 |
| Upper Limit [a] | 368298 | 8.00 | 1704221 | 10.16 | 1033624 | 15.67 |
| Lower Limit [b] | 157842 | 7.34 | 730381 | 9.50 | 442982 | 15.01 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V5W2138-BS | 261510 | 7.66 | 1220164 | 9.83 | 739045 | 15.34 |
| V5W2138-BSD | 260595 | 7.66 | 1218483 | 9.83 | 736456 | 15.34 |
| V5W2138-MB | 311710 | 7.66 | 1493158 | 9.82 | 781178 | 15.33 |
| V5W2138-SCC | 321306 | 7.66 | 1506173 | 9.82 | 782137 | 15.33 |
| JE2315-1 | 245399 | 7.66 | 1205702 | 9.83 | 682878 | 15.33 |
| JE2315-1DUP | 217553 | 7.66 | 1077292 | 9.83 | 621263 | 15.33 |
| ZZZZZZ | 208762 | 7.66 | 1039636 | 9.82 | 572065 | 15.34 |
| ZZZZZZ | 201543 | 7.67 | 1000655 | 9.83 | 551430 | 15.34 |
| ZZZZZZ | 211041 | 7.66 | 1036893 | 9.83 | 471557 | 15.34 |
| ZZZZZZ | 215745 | 7.66 | 1039188 | 9.83 | 542678 | 15.34 |
| JE2491-2 | 244806 | 7.66 | 1174993 | 9.83 | 645042 | 15.34 |
| ZZZZZZ | 186533 | 7.66 | 914542 | 9.83 | 530709 | 15.33 |
| ZZZZZZ | 190196 | 7.67 | 938311 | 9.83 | 539199 | 15.34 |
| ZZZZZZ | 194798 | 7.67 | 962979 | 9.83 | 555481 | 15.34 |
| ZZZZZZ | 182844 | 7.66 | 924573 | 9.83 | 542563 | 15.34 |
| ZZZZZZ | 195003 | 7.67 | 985329 | 9.83 | 573135 | 15.34 |
| ZZZZZZ | 203928 | 7.66 | 1010745 | 9.83 | 575284 | 15.34 |
| ZZZZZZ | 207550 | 7.66 | 1034387 | 9.83 | 595518 | 15.34 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W387-CC305 | **Injection Date:** | 11/18/24 |
| **Lab File ID:** | 7W10576.D | **Injection Time:** | 09:35 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 60785 | 3.28 | 318407 | 4.55 | 291110 | 10.12 |
| Upper Limit [a] | 85099 | 3.61 | 445770 | 4.88 | 407554 | 10.45 |
| Lower Limit [b] | 36471 | 2.95 | 191044 | 4.22 | 174666 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W387-BS | 59927 | 3.27 | 307732 | 4.55 | 281115 | 10.12 |
| V7W387-BSD | 59448 | 3.28 | 304227 | 4.55 | 275746 | 10.12 |
| V7W387-MB | 64026 | 3.28 | 327182 | 4.55 | 306459 | 10.12 |
| JD99820-1 | 56665 | 3.28 | 288174 | 4.56 | 265558 | 10.12 |
| JD99820-1DUP | 55698 | 3.28 | 286506 | 4.56 | 262400 | 10.12 |
| ZZZZZZ | 57230 | 3.28 | 293974 | 4.56 | 269278 | 10.12 |
| ZZZZZZ | 57892 | 3.28 | 293943 | 4.56 | 268382 | 10.13 |
| ZZZZZZ | 55173 | 3.28 | 281652 | 4.56 | 256840 | 10.12 |
| ZZZZZZ | 56414 | 3.28 | 290642 | 4.56 | 266690 | 10.12 |
| ZZZZZZ | 55175 | 3.28 | 282753 | 4.56 | 261195 | 10.12 |
| ZZZZZZ | 56321 | 3.28 | 288236 | 4.56 | 267074 | 10.12 |
| ZZZZZZ | 55592 | 3.28 | 280028 | 4.56 | 258953 | 10.12 |
| ZZZZZZ | 59195 | 3.28 | 306746 | 4.56 | 279352 | 10.13 |
| ZZZZZZ | 54414 | 3.28 | 279296 | 4.56 | 256561 | 10.12 |
| ZZZZZZ | 53395 | 3.28 | 262918 | 4.56 | 253725 | 10.12 |
| ZZZZZZ | 58851 | 3.28 | 302770 | 4.56 | 278405 | 10.12 |
| ZZZZZZ | 60842 | 3.28 | 310928 | 4.56 | 285512 | 10.12 |
| ZZZZZZ | 60530 | 3.28 | 314864 | 4.56 | 285718 | 10.13 |
| ZZZZZZ | 57253 | 3.28 | 296182 | 4.56 | 271095 | 10.12 |
| ZZZZZZ | 55936 | 3.28 | 289486 | 4.55 | 263402 | 10.12 |
| V7W387-SCC | 58656 | 3.28 | 295685 | 4.56 | 265930 | 10.12 |
| V7W387-SCC | 60454 | 3.27 | 305996 | 4.55 | 275902 | 10.12 |
| V7W387-SCC | 61555 | 3.28 | 303415 | 4.55 | 282366 | 10.12 |
| V7W387-SCC | 63209 | 3.28 | 314760 | 4.55 | 280011 | 10.12 |
| V7W387-SCC | 65323 | 3.28 | 322265 | 4.55 | 287974 | 10.12 |
| ZZZZZZ | 56492 | 3.28 | 288918 | 4.56 | 272258 | 10.12 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W392-CC305 | **Injection Date:** | 11/25/24 |
| **Lab File ID:** | 7W10743.D | **Injection Time:** | 09:11 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 72713 | 3.27 | 383789 | 4.55 | 314273 | 10.12 |
| Upper Limit [a] | 101798 | 3.60 | 537305 | 4.88 | 439982 | 10.45 |
| Lower Limit [b] | 43628 | 2.94 | 230273 | 4.22 | 188564 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W392-BS | 72768 | 3.27 | 382948 | 4.55 | 316986 | 10.12 |
| V7W392-BSD | 73571 | 3.27 | 390728 | 4.55 | 328697 | 10.12 |
| V7W392-MB | 77496 | 3.27 | 407451 | 4.55 | 332375 | 10.12 |
| ZZZZZZ | 70134 | 3.29 | 377860 | 4.57 | 313611 | 10.13 |
| ZZZZZZ | 66825 | 3.29 | 363077 | 4.57 | 303014 | 10.13 |
| ZZZZZZ | 61291 | 3.29 | 333551 | 4.57 | 281900 | 10.12 |
| ZZZZZZ | 59927 | 3.29 | 321484 | 4.56 | 275765 | 10.13 |
| ZZZZZZ | 60563 | 3.28 | 323816 | 4.56 | 275730 | 10.13 |
| JE994-2 | 61272 | 3.32 | 354889 | 4.59 | 300529 | 10.13 |
| ZZZZZZ | 56502 | 3.27 | 334521 | 4.60 | 295346 | 10.14 |
| ZZZZZZ | 59682 | 3.29 | 335723 | 4.57 | 286843 | 10.13 |
| ZZZZZZ | 52994 | 3.28 | 289969 | 4.56 | 248230 | 10.13 |
| ZZZZZZ | 54075 | 3.28 | 285122 | 4.56 | 238672 | 10.12 |
| ZZZZZZ | 49318 | 3.28 | 271433 | 4.56 | 230382 | 10.12 |
| ZZZZZZ | 50588 | 3.28 | 269595 | 4.56 | 222162 | 10.12 |
| ZZZZZZ | 48508 | 3.28 | 263253 | 4.56 | 230371 | 10.12 |
| JE1061-10 | 47637 | 3.28 | 253998 | 4.55 | 215224 | 10.12 |
| ZZZZZZ | 52252 | 3.28 | 279608 | 4.55 | 230161 | 10.12 |
| ZZZZZZ | 50070 | 3.28 | 267272 | 4.55 | 202380 | 10.12 |
| ZZZZZZ | 52376 | 3.29 | 269271 | 4.57 | 232208 | 10.13 |
| ZZZZZZ | 47233 | 3.30 | 316292 | 4.58 | 248242 | 10.14 |
| V7W392-SCC | 60827 | 3.27 | 320474 | 4.55 | 270203 | 10.12 |
| V7W392-SCC | 62704 | 3.28 | 329972 | 4.56 | 276956 | 10.12 |
| V7W392-SCC | 63803 | 3.28 | 333810 | 4.55 | 275663 | 10.12 |
| V7W392-SCC | 61251 | 3.28 | 323759 | 4.56 | 273041 | 10.12 |
| V7W392-SCC | 55670 | 3.28 | 294531 | 4.55 | 228023 | 10.12 |
| JE1061-10DUP | 45516 | 3.28 | 236865 | 4.56 | 223436 | 10.12 |

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**IS 3** = Chlorobenzene-D5

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(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W394-CC305 | **Injection Date:** | 11/27/24 |
| **Lab File ID:** | 7W10810.D | **Injection Time:** | 18:54 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 66164 | 3.27 | 360115 | 4.55 | 308758 | 10.12 |
| Upper Limit [a] | 92630 | 3.60 | 504161 | 4.88 | 432261 | 10.45 |
| Lower Limit [b] | 39698 | 2.94 | 216069 | 4.22 | 185255 | 9.79 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W394-BS | 55762 | 3.28 | 306387 | 4.55 | 265550 | 10.12 |
| V7W394-BSD | 60346 | 3.28 | 312395 | 4.55 | 269051 | 10.12 |
| V7W394-MB | 63513 | 3.27 | 345001 | 4.55 | 281984 | 10.12 |
| V7W394-SCC | 68976 | 3.28 | 372905 | 4.55 | 306928 | 10.12 |
| V7W394-SCC | 67060 | 3.27 | 367833 | 4.55 | 309672 | 10.12 |
| V7W394-SCC | 57325 | 3.28 | 312428 | 4.56 | 265369 | 10.12 |
| V7W394-SCC | 66332 | 3.28 | 359459 | 4.55 | 254743 | 10.12 |
| V7W394-SCC | 53741 | 3.28 | 299291 | 4.55 | 256349 | 10.12 |
| V7W394-SCC | 53692 | 3.28 | 298452 | 4.55 | 252053 | 10.12 |
| V7W394-SCC | 59488 | 3.28 | 285386 | 4.55 | 239829 | 10.12 |
| V7W394-SCC | 65706 | 3.28 | 354633 | 4.56 | 302119 | 10.12 |
| V7W394-SCC | 67671 | 3.28 | 367870 | 4.56 | 313645 | 10.12 |
| V7W394-SCC | 65783 | 3.28 | 352427 | 4.56 | 299919 | 10.12 |
| V7W394-SCC | 62549 | 3.28 | 343231 | 4.55 | 292711 | 10.12 |
| V7W394-SCC | 62374 | 3.28 | 337223 | 4.56 | 288734 | 10.12 |
| V7W394-SCC | 62496 | 3.28 | 338523 | 4.56 | 289816 | 10.12 |
| V7W394-SCC | 63515 | 3.28 | 344443 | 4.56 | 293023 | 10.13 |
| V7W394-SCC | 64628 | 3.28 | 345353 | 4.56 | 294448 | 10.12 |
| V7W394-SCC | 63858 | 3.28 | 343236 | 4.56 | 291946 | 10.12 |
| V7W394-SCC | 64390 | 3.28 | 342336 | 4.56 | 292421 | 10.12 |
| V7W394-SCC | 63176 | 3.28 | 342131 | 4.56 | 292938 | 10.12 |
| V7W394-SCC | 65836 | 3.28 | 352077 | 4.56 | 301103 | 10.12 |
| V7W394-SCC | 64725 | 3.28 | 347286 | 4.56 | 300089 | 10.12 |
| V7W394-SCC | 65007 | 3.28 | 347582 | 4.56 | 296016 | 10.12 |
| V7W394-SCC | 64287 | 3.28 | 341613 | 4.56 | 294435 | 10.12 |
| V7W394-SCC | 63406 | 3.28 | 341363 | 4.56 | 292027 | 10.12 |
| V7W394-SCC | 61895 | 3.28 | 330950 | 4.56 | 286011 | 10.12 |
| V7W394-SCC | 64153 | 3.28 | 345802 | 4.56 | 298164 | 10.12 |

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# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W414-CC405 | **Injection Date:** | 01/06/25 |
| **Lab File ID:** | 7W11535.D | **Injection Time:** | 20:54 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 130369 | 3.23 | 632907 | 4.50 | 611856 | 10.03 |
| Upper Limit [a] | 182517 | 3.56 | 886070 | 4.83 | 856598 | 10.36 |
| Lower Limit [b] | 78221 | 2.90 | 379744 | 4.17 | 367114 | 9.70 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W414-BS | 132197 | 3.23 | 641005 | 4.50 | 614319 | 10.03 |
| V7W414-BSD | 136207 | 3.23 | 661175 | 4.50 | 631831 | 10.03 |
| V7W414-MB | 136836 | 3.23 | 669533 | 4.49 | 630911 | 10.03 |
| V7W414-SCC | 138581 | 3.24 | 675072 | 4.51 | 633613 | 10.04 |
| V7W414-SCC | 138593 | 3.24 | 676087 | 4.51 | 633574 | 10.04 |
| JE2491-4 | 129627 | 3.23 | 634201 | 4.49 | 600502 | 10.03 |
| ZZZZZZ | 129163 | 3.24 | 632533 | 4.51 | 603756 | 10.04 |
| ZZZZZZ | 131489 | 3.24 | 643382 | 4.51 | 606346 | 10.04 |
| JE2792-5 | 130268 | 3.24 | 634999 | 4.51 | 605066 | 10.04 |
| JE2792-5DUP | 128913 | 3.24 | 624851 | 4.51 | 594741 | 10.04 |
| ZZZZZZ | 127932 | 3.24 | 625380 | 4.51 | 596139 | 10.04 |
| ZZZZZZ | 129454 | 3.24 | 633109 | 4.51 | 596903 | 10.04 |
| ZZZZZZ | 132234 | 3.24 | 644781 | 4.51 | 606242 | 10.04 |
| ZZZZZZ | 126933 | 3.24 | 623969 | 4.51 | 595146 | 10.04 |
| ZZZZZZ | 127645 | 3.24 | 623921 | 4.51 | 596743 | 10.04 |
| ZZZZZZ | 131462 | 3.24 | 648371 | 4.51 | 605655 | 10.04 |
| ZZZZZZ | 129249 | 3.24 | 628523 | 4.51 | 592171 | 10.04 |
| ZZZZZZ | 131749 | 3.24 | 635129 | 4.51 | 597021 | 10.04 |
| ZZZZZZ | 130571 | 3.24 | 632981 | 4.51 | 596939 | 10.04 |
| ZZZZZZ | 129309 | 3.24 | 629111 | 4.51 | 596874 | 10.04 |
| ZZZZZZ | 127804 | 3.24 | 621337 | 4.51 | 590977 | 10.04 |
| ZZZZZZ | 128405 | 3.24 | 613265 | 4.50 | 588255 | 10.04 |
| JE3178-5 | 129845 | 3.23 | 623642 | 4.49 | 587389 | 10.03 |
| JE3178-5DUP | 130354 | 3.23 | 627968 | 4.49 | 594977 | 10.03 |
| ZZZZZZ | 122522 | 3.24 | 609507 | 4.51 | 572985 | 10.04 |
| ZZZZZZ | 126760 | 3.24 | 615301 | 4.51 | 578627 | 10.04 |
| ZZZZZZ | 131910 | 3.24 | 635953 | 4.51 | 602230 | 10.04 |
| ZZZZZZ | 127787 | 3.24 | 610182 | 4.51 | 587326 | 10.04 |

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# Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | |
|---|---|---|---|
| **Check Std:** | V7W415-CC405 | **Injection Date:** | 01/07/25 |
| **Lab File ID:** | 7W11571.D | **Injection Time:** | 21:29 |
| **Instrument ID:** | GCMS7W | **Method:** | TO-15 |

| | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| Check Std | 130206 | 3.23 | 632316 | 4.49 | 600992 | 10.03 |
| Upper Limit [a] | 182288 | 3.56 | 885242 | 4.82 | 841389 | 10.36 |
| Lower Limit [b] | 78124 | 2.90 | 379390 | 4.16 | 360595 | 9.70 |

| Lab Sample ID | IS 1 AREA | RT | IS 2 AREA | RT | IS 3 AREA | RT |
|---|---|---|---|---|---|---|
| V7W415-BS | 131961 | 3.23 | 637583 | 4.50 | 610713 | 10.03 |
| V7W415-BSD | 132457 | 3.23 | 646743 | 4.49 | 617945 | 10.03 |
| V7W415-MB | 136449 | 3.23 | 666104 | 4.49 | 629238 | 10.03 |
| V7W415-SCC [c] | 136969 | 3.23 | 666529 | 4.49 | 623265 | 10.03 |
| V7W415-SCC [d] | 129851 | 3.23 | 627011 | 4.49 | 590430 | 10.03 |
| V7W415-SCC | 131634 | 3.23 | 635177 | 4.49 | 596110 | 10.03 |
| ZZZZZZ | 128265 | 3.24 | 624578 | 4.51 | 591337 | 10.04 |
| ZZZZZZ | 125814 | 3.24 | 608607 | 4.51 | 584840 | 10.04 |
| V7W415-SCC [d] | 128167 | 3.23 | 622745 | 4.49 | 585547 | 10.03 |
| ZZZZZZ | 129226 | 3.23 | 628829 | 4.49 | 596664 | 10.03 |
| ZZZZZZ | 129708 | 3.23 | 636328 | 4.49 | 601308 | 10.03 |
| JE3433-3 | 134717 | 3.23 | 655294 | 4.49 | 617365 | 10.03 |
| JE3433-3DUP | 111063 | 3.23 | 543160 | 4.49 | 515473 | 10.03 |
| ZZZZZZ | 116044 | 3.24 | 567410 | 4.51 | 544472 | 10.04 |
| ZZZZZZ | 116292 | 3.23 | 565443 | 4.49 | 544983 | 10.03 |
| ZZZZZZ | 116990 | 3.23 | 569875 | 4.50 | 548431 | 10.03 |
| ZZZZZZ | 116610 | 3.23 | 567374 | 4.49 | 545131 | 10.03 |
| JE2491-4 | 117130 | 3.23 | 572033 | 4.50 | 544669 | 10.03 |

**IS 1** = Bromochloromethane
**IS 2** = 1,4-Difluorobenzene
**IS 3** = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) rr bad injection
(d) rr c/o

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,3-Butadiene | 4.04 | 7.66 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoethene | 4.63 | 7.66 | 0.604 | ok | 0.602 | 0.542-0.662 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.66 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.66 | 1.020 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.66 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.56 | 15.35 | 1.209 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.69 | 9.83 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.66 | 0.717 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.85 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.03 | 9.83 | 1.326 | ok | 1.323 | 1.263-1.383 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.35 | 9.83 | 1.053 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.66 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.49 | 7.66 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.76 | 9.83 | 1.196 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.42 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.44 | 9.83 | 1.266 | ok | 1.263 | 1.203-1.323 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.97 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.66 | 0.491 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.83 | 1.123 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl Tert Butyl Ether | 6.81 | 7.66 | 0.889 | ok | 0.879 | 0.819-0.939 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.78 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.93 | 15.35 | 1.103 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.63 | 9.83 | 1.285 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.66 | 7.66 | 0.739 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Toluene | 12.98 | 9.83 | 1.320 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.66 | 0.646 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 339655 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1562017 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 815644 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.74 | 7.67 | 0.618 | ok | 0.615 | 0.555-0.675 |
| Acetonitrile | 4.65 | 7.67 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.04 | 7.67 | 0.527 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.86 | 7.67 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.59 | 7.67 | 0.468 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.37 | 7.67 | 0.570 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.78 | 7.67 | 0.493 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.71 | 7.67 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.83 | 0.988 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.80 | 9.83 | 1.099 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.43 | 7.67 | 0.578 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.67 | 0.842 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.78 | 7.67 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.83 | 7.67 | 1.021 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.50 | 9.83 | 1.068 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.83 | 7.67 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.67 | 0.502 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.67 | 0.618 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.79 | 7.67 | 0.625 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.76 | 7.67 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.45 | 15.35 | 0.876 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.67 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.16 | 7.67 | 0.934 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.89 | 9.83 | 1.210 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.79 | 7.67 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.99 | 9.83 | 1.118 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.24 | 7.67 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.61 | 7.67 | 0.471 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.77 | 15.35 | 1.093 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.65 | 7.67 | 0.737 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.37 | 7.67 | 1.091 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 333430 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1533309 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 804190 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.86 | 7.66 | 0.634 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.64 | 7.66 | 0.606 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.39 | 9.83 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.66 | 0.744 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.83 | 1.055 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.78 | 9.83 | 1.097 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.43 | 9.83 | 1.264 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.77 | 7.66 | 1.014 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.81 | 7.66 | 1.020 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.48 | 9.83 | 1.066 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.85 | 7.66 | 0.503 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.66 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.74 | 7.66 | 0.619 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.43 | 15.35 | 0.875 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.09 | 7.66 | 0.664 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.66 | 0.731 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.14 | 7.66 | 0.932 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.87 | 9.83 | 1.208 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.78 | 7.66 | 0.885 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.98 | 9.83 | 1.117 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.68 | 9.83 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.64 | 7.66 | 0.736 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.34 | 7.66 | 1.089 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.84 | 7.66 | 0.893 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 334972 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1532765 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 812540 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.85 | 7.66 | 0.633 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.73 | 7.66 | 0.617 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.22 | 7.66 | 0.681 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.63 | 7.66 | 0.604 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.66 | 0.526 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.66 | 0.552 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.66 | 0.603 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.66 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.66 | 0.764 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.66 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.36 | 7.66 | 0.569 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.66 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.80 | 7.66 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.66 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.66 | 0.743 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.66 | 1.249 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.66 | 0.868 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.66 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.66 | 1.124 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.83 | 1.325 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.75 | 9.83 | 1.094 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.66 | 0.478 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.66 | 0.577 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.66 | 0.843 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.66 | 0.979 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.74 | 9.83 | 1.194 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.83 | 1.263 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.75 | 7.66 | 1.012 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.66 | 1.132 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.48 | 7.66 | 0.585 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.79 | 7.66 | 1.017 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.46 | 9.83 | 1.064 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.66 | 0.760 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.66 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.66 | 0.453 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.66 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.66 | 0.624 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.66 | 0.490 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.66 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.36 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.66 | 1.007 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.41 | 15.35 | 0.874 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.66 | 0.708 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.08 | 7.66 | 0.663 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.66 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.11 | 7.66 | 0.928 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.85 | 9.83 | 1.205 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.76 | 7.66 | 0.883 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.97 | 9.83 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.66 | 0.683 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.66 | 0.470 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.66 | 1.158 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.83 | 1.284 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.62 | 7.66 | 0.734 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.31 | 7.66 | 1.085 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.83 | 1.319 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.66 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.66 | 0.513 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.83 | 7.66 | 0.892 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.66 | ok | 7.67 | 7.34-8.00 | 330769 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1512302 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 803446 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.83 | 7.67 | 0.630 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.90 | 15.35 | 1.166 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.67 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.00 | 9.83 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.69 | 9.83 | 1.087 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.67 | 0.476 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.66 | 7.67 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.76 | 7.67 | 1.012 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.46 | 7.67 | 0.451 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.37 | 15.35 | 0.871 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.04 | 7.67 | 0.657 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.26 | 15.35 | 1.320 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.59 | 7.67 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.80 | 9.83 | 1.200 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.56 | 7.67 | 0.725 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.26 | 7.67 | 1.077 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.67 | 0.644 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 327920 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1483978 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 823417 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.67 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.67 | 0.614 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.67 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.67 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.67 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.83 | 0.956 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.83 | 1.079 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.29 | 15.35 | 1.061 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.67 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.67 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.67 | 0.531 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.01 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.61 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.67 | 0.763 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.67 | 0.467 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.67 | 0.567 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.67 | 0.471 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.81 | 7.67 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.67 | 0.492 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.67 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.67 | 1.248 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.83 | 0.987 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.67 | 0.867 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.67 | 0.716 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.82 | 15.35 | 0.900 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.67 | 1.123 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.83 | 1.054 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.83 | 1.323 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.83 | 1.085 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.67 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.67 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.83 | 1.052 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.67 | 0.841 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.67 | 0.978 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.83 | 1.193 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.83 | 1.262 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.67 | 1.007 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.83 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.67 | 1.130 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.67 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.67 | 1.010 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.83 | 1.060 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.67 | 0.759 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.67 | 0.501 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.67 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.67 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.67 | 0.623 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.67 | 0.489 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.67 | 0.463 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.83 | 1.122 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.67 | 1.005 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.67 | 0.707 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.81 | 15.35 | 1.160 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.67 | 0.656 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.67 | 0.730 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.06 | 7.67 | 0.920 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.83 | 1.199 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.67 | 0.875 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.83 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.31 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.67 | 0.682 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.67 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.87 | 7.67 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.39 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.83 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.23 | 15.35 | 1.318 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.83 | 1.087 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.67 | 0.724 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.24 | 7.67 | 1.074 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.83 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.83 | 1.083 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.67 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.67 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.67 | 0.888 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.23 | 15.35 | 1.057 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.90 | 15.35 | 1.101 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.67 | ok | 7.67 | 7.34-8.00 | 339202 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.83 | ok | 9.83 | 9.50-10.16 | 1511260 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 875250 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.91 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.81 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.85 | 15.35 | 1.358 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.83 | 15.35 | 0.901 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.84 | 1.084 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.51 | 15.35 | 0.880 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.92 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.00 | 9.84 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 115 | 3.47 | 7.68 | 0.452 | ok | 0.452 | 0.392-0.512 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.88 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.33 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.61 | 9.84 | 1.282 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.22 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.63 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.01 | 15.35 | 1.238 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.96 | 9.84 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.24 | 15.35 | 1.058 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 342882 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1466721 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 922805 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 4.82 | 7.68 | 0.628 | ok | 0.630 | 0.570-0.690 |
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.20 | 7.68 | 0.677 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.02 | 7.68 | 0.523 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.40 | 9.84 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.61 | 9.84 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.22 | 7.68 | 0.549 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.06 | 7.68 | 0.529 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.02 | 15.35 | 1.304 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.57 | 7.68 | 0.465 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.60 | 7.68 | 0.469 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.69 | 7.68 | 0.741 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.70 | 9.84 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.48 | 7.68 | 0.714 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.36 | 9.84 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.01 | 9.84 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.66 | 9.84 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.65 | 7.68 | 0.475 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.41 | 7.68 | 0.574 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.84 | 1.051 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.45 | 7.68 | 0.840 | ok | 0.842 | 0.782-0.902 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |
| cis-1,3-Dichloropropene | 11.73 | 9.84 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.93 | 15.35 | 1.298 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.41 | 9.84 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.71 | 7.68 | 1.004 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.84 | 1.017 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.41 | 9.84 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.88 | 15.35 | 1.230 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.73 | 7.68 | 0.616 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.54 | 7.68 | 0.461 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.03 | 9.84 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.84 | 1.198 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.70 | 7.68 | 0.872 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.84 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Naphthalene | 22.89 | 15.35 | 1.491 | ok | 1.491 | 1.431-1.551 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | Reporting this level |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Propylene | 3.59 | 7.68 | 0.467 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.75 | 15.35 | 1.091 | ok | 1.092 | 1.032-1.152 |
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.84 | 1.283 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.10 | 15.35 | 1.114 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.24 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.69 | 9.84 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.54 | 7.68 | 0.721 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.84 | 1.318 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.65 | 9.84 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.94 | 7.68 | 0.643 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 341329 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.84 | ok | 9.83 | 9.50-10.16 | 1382725 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1000073 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acrolein | 4.71 | 7.68 | 0.613 | ok | 0.615 | 0.555-0.675 |
| Acrylonitrile | 5.21 | 7.68 | 0.678 | ok | 0.679 | 0.619-0.739 |
| Acetonitrile | 4.62 | 7.68 | 0.602 | ok | 0.603 | 0.543-0.663 |
| 1,3-Butadiene | 4.03 | 7.68 | 0.525 | ok | 0.526 | 0.466-0.586 |
| Benzene | 9.41 | 9.85 | 0.955 | ok | 0.956 | 0.896-1.016 |
| Bromobenzene | 17.92 | 15.35 | 1.167 | ok | 1.167 | 1.107-1.227 |
| Bromodichloromethane | 10.62 | 9.85 | 1.078 | ok | 1.079 | 1.019-1.139 |
| Bromoform | 16.30 | 15.35 | 1.062 | ok | 1.062 | 1.002-1.122 |
| Bromomethane | 4.23 | 7.68 | 0.551 | ok | 0.551 | 0.491-0.611 |
| Bromoethene | 4.62 | 7.68 | 0.602 | ok | 0.602 | 0.542-0.662 |
| n-Butane | 4.07 | 7.68 | 0.530 | ok | 0.530 | 0.470-0.590 |
| Benzyl Chloride | 19.82 | 15.35 | 1.291 | ok | 1.291 | 1.231-1.351 |
| n-Butylbenzene | 20.86 | 15.35 | 1.359 | ok | 1.359 | 1.299-1.419 |
| sec-Butylbenzene | 20.03 | 15.35 | 1.305 | ok | 1.304 | 1.244-1.364 |
| tert-Butylbenzene | 19.62 | 15.35 | 1.278 | ok | 1.278 | 1.218-1.338 |
| Carbon disulfide | 5.85 | 7.68 | 0.762 | ok | 0.763 | 0.703-0.823 |
| Chlorobenzene | 15.41 | 15.35 | 1.004 | ok | 1.004 | 0.944-1.064 |
| Chlorodifluoromethane | 3.58 | 7.68 | 0.466 | ok | 0.467 | 0.407-0.527 |
| Chloroethane | 4.35 | 7.68 | 0.566 | ok | 0.568 | 0.508-0.628 |
| Chlorotrifluoroethene | 3.61 | 7.68 | 0.470 | ok | 0.471 | 0.411-0.531 |
| Chloroform | 7.82 | 7.68 | 1.018 | ok | 1.018 | 0.958-1.078 |
| Chloromethane | 3.77 | 7.68 | 0.491 | ok | 0.492 | 0.432-0.552 |
| 3-Chloropropene | 5.70 | 7.68 | 0.742 | ok | 0.743 | 0.683-0.803 |
| 2-Chlorotoluene | 18.55 | 15.35 | 1.208 | ok | 1.209 | 1.149-1.269 |
| Carbon tetrachloride | 9.57 | 7.68 | 1.246 | ok | 1.248 | 1.188-1.308 |
| Cyclohexane | 9.71 | 9.85 | 0.986 | ok | 0.986 | 0.926-1.046 |
| 1,1-Dichloroethane | 6.65 | 7.68 | 0.866 | ok | 0.867 | 0.807-0.927 |
| 1,1-Dichloroethylene | 5.49 | 7.68 | 0.715 | ok | 0.715 | 0.655-0.775 |
| 1,2-Dibromoethane (EDB) | 13.84 | 15.35 | 0.902 | ok | 0.901 | 0.841-0.961 |
| 1,2-Dichloroethane | 8.61 | 7.68 | 1.121 | ok | 1.123 | 1.063-1.183 |
| 1,2-Dichloropropane | 10.37 | 9.85 | 1.053 | ok | 1.054 | 0.994-1.114 |
| 1,3-Dichloropropane | 13.02 | 9.85 | 1.322 | ok | 1.323 | 1.263-1.383 |
| 1,4-Dioxane | 10.67 | 9.85 | 1.083 | ok | 1.089 | 1.029-1.149 |
| Dichlorodifluoromethane | 3.66 | 7.68 | 0.477 | ok | 0.477 | 0.417-0.537 |
| Dichlorofluoromethane | 4.42 | 7.68 | 0.576 | ok | 0.576 | 0.516-0.636 |
| Dibromochloromethane | 13.52 | 15.35 | 0.881 | ok | 0.880 | 0.820-0.940 |
| Dibromomethane | 10.34 | 9.85 | 1.050 | ok | 1.052 | 0.992-1.112 |
| trans-1,2-Dichloroethylene | 6.46 | 7.68 | 0.841 | ok | 0.842 | 0.782-0.902 |
| cis-1,2-Dichloroethylene | 7.50 | 7.68 | 0.977 | ok | 0.978 | 0.918-1.038 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | 11.74 | 9.85 | 1.192 | ok | 1.194 | 1.134-1.254 |
| m-Dichlorobenzene | 19.83 | 15.35 | 1.292 | ok | 1.291 | 1.231-1.351 |
| o-Dichlorobenzene | 20.41 | 15.35 | 1.330 | ok | 1.330 | 1.270-1.390 |
| p-Dichlorobenzene | 19.94 | 15.35 | 1.299 | ok | 1.298 | 1.238-1.358 |
| trans-1,3-Dichloropropene | 12.42 | 9.85 | 1.261 | ok | 1.263 | 1.203-1.323 |
| Di-Isopropyl ether | 7.72 | 7.68 | 1.005 | ok | 1.008 | 0.948-1.068 |
| 2,3-Dimethylpentane | 10.01 | 9.85 | 1.016 | ok | 1.017 | 0.957-1.077 |
| 2,4-Dimethylpentane | 8.67 | 7.68 | 1.129 | ok | 1.130 | 1.070-1.190 |
| Ethanol | 4.46 | 7.68 | 0.581 | ok | 0.582 | 0.522-0.642 |
| Ethylbenzene | 15.96 | 15.35 | 1.040 | ok | 1.040 | 0.980-1.100 |
| Ethyl Acetate | 7.75 | 7.68 | 1.009 | ok | 1.013 | 0.953-1.073 |
| Ethyl Acrylate | 10.42 | 9.85 | 1.058 | ok | 1.062 | 1.002-1.122 |
| 4-Ethyltoluene | 18.89 | 15.35 | 1.231 | ok | 1.230 | 1.170-1.290 |
| Freon 113 | 5.82 | 7.68 | 0.758 | ok | 0.759 | 0.699-0.819 |
| Freon 114 | 3.84 | 7.68 | 0.500 | ok | 0.501 | 0.441-0.561 |
| Freon 123 | 4.74 | 7.68 | 0.617 | ok | 0.617 | 0.557-0.677 |
| Freon 123A | 4.78 | 7.68 | 0.622 | ok | 0.623 | 0.563-0.683 |
| Freon 142B | 3.75 | 7.68 | 0.488 | ok | 0.489 | 0.429-0.549 |
| Freon 152A | 3.55 | 7.68 | 0.462 | ok | 0.463 | 0.403-0.523 |
| Heptane | 11.04 | 9.85 | 1.121 | ok | 1.122 | 1.062-1.182 |
| Hexachlorobutadiene | 23.37 | 15.35 | 1.522 | ok | 1.522 | 1.462-1.582 |
| Hexachloroethane | 21.32 | 15.35 | 1.389 | ok | 1.389 | 1.329-1.449 |
| Hexane | 7.71 | 7.68 | 1.004 | ok | 1.005 | 0.945-1.065 |
| 2-Hexanone | 13.36 | 15.35 | 0.870 | ok | 0.872 | 0.812-0.932 |
| Iodomethane | 5.42 | 7.68 | 0.706 | ok | 0.707 | 0.647-0.767 |
| Isopropylbenzene | 17.82 | 15.35 | 1.161 | ok | 1.161 | 1.101-1.221 |
| Isopropyl Alcohol | 5.03 | 7.68 | 0.655 | ok | 0.659 | 0.599-0.719 |
| p-Isopropyltoluene | 20.27 | 15.35 | 1.321 | ok | 1.320 | 1.260-1.380 |
| Methylene chloride | 5.60 | 7.68 | 0.729 | ok | 0.730 | 0.670-0.790 |
| Methyl ethyl ketone | 7.05 | 7.68 | 0.918 | ok | 0.924 | 0.864-0.984 |
| Methyl Isobutyl Ketone | 11.79 | 9.85 | 1.197 | ok | 1.202 | 1.142-1.262 |
| Methyl Tert Butyl Ether | 6.71 | 7.68 | 0.874 | ok | 0.879 | 0.819-0.939 |
| Methylmethacrylate | 10.94 | 9.85 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Nonane | 17.32 | 15.35 | 1.128 | ok | 1.128 | 1.068-1.188 |
| Octane | 14.34 | 15.35 | 0.934 | ok | 0.934 | 0.874-0.994 |
| Pentane | 5.23 | 7.68 | 0.681 | ok | 0.682 | 0.622-0.742 |
| n-Propylbenzene | 18.64 | 15.35 | 1.214 | ok | 1.214 | 1.154-1.274 |
| Propylene | 3.60 | 7.68 | 0.469 | ok | 0.469 | 0.409-0.529 |
| Styrene | 16.76 | 15.35 | 1.092 | ok | 1.092 | 1.032-1.152 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | BK | 0.04 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | BK | 0.1 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | BK | 0.2 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | BK | 0.5 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | BK | 5 | GCMS5W | TO-15 | |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | BK | 10 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | BK | 20 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | BK | 40 | GCMS5W | TO-15 | |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | BK | 50 | GCMS5W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| 1,1,1-Trichloroethane | 8.88 | 7.68 | 1.156 | ok | 1.157 | 1.097-1.217 |
| 1,1,1,2-Tetrachloroethane | 15.40 | 15.35 | 1.003 | ok | 1.003 | 0.943-1.063 |
| 1,1,2,2-Tetrachloroethane | 16.91 | 15.35 | 1.102 | ok | 1.102 | 1.042-1.162 |
| 1,1,2-Trichloroethane | 12.62 | 9.85 | 1.281 | ok | 1.283 | 1.223-1.343 |
| 1,2,4-Trichlorobenzene | 23.23 | 15.35 | 1.513 | ok | 1.513 | 1.453-1.573 |
| 1,2,3-Trichloropropane | 17.11 | 15.35 | 1.115 | ok | 1.114 | 1.054-1.174 |
| 1,2,3-Trimethylbenzene | 20.25 | 15.35 | 1.319 | ok | 1.318 | 1.258-1.378 |
| 1,2,4-Trimethylbenzene | 19.64 | 15.35 | 1.279 | ok | 1.279 | 1.219-1.339 |
| 1,3,5-Trimethylbenzene | 19.02 | 15.35 | 1.239 | ok | 1.239 | 1.179-1.299 |
| 2,2,4-Trimethylpentane | 10.70 | 9.85 | 1.086 | ok | 1.087 | 1.027-1.147 |
| Tertiary Butyl Alcohol | 5.55 | 7.68 | 0.723 | ok | 0.729 | 0.669-0.789 |
| Tetrachloroethylene | 14.47 | 15.35 | 0.943 | ok | 0.943 | 0.883-1.003 |
| Tetrahydrofuran | 8.23 | 7.68 | 1.072 | ok | 1.079 | 1.019-1.139 |
| Toluene | 12.97 | 9.85 | 1.317 | ok | 1.319 | 1.259-1.379 |
| Trichloroethylene | 10.66 | 9.85 | 1.082 | ok | 1.083 | 1.023-1.143 |
| Trichlorofluoromethane | 4.95 | 7.68 | 0.645 | ok | 0.645 | 0.585-0.705 |
| Vinyl chloride | 3.93 | 7.68 | 0.512 | ok | 0.512 | 0.452-0.572 |
| Vinyl Acetate | 6.81 | 7.68 | 0.887 | ok | 0.889 | 0.829-0.949 |
| m,p-Xylene | 16.25 | 15.35 | 1.059 | ok | 1.058 | 0.998-1.118 |
| o-Xylene | 16.91 | 15.35 | 1.102 | ok | 1.101 | 1.041-1.161 |
| TVHC As Equiv Pentane | 5.23 | 15.35 | 0.341 | ok | 0.341 | 0.281-0.401 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 7.68 | ok | 7.67 | 7.34-8.00 | 363096 | ok | 339251 | 203551-474951 |
| 1,4-Difluorobenzene | 9.85 | ok | 9.83 | 9.50-10.16 | 1435494 | ok | 1491175 | 894705-2087645 |
| Chlorobenzene-D5 | 15.35 | ok | 15.35 | 15.02-15.68 | 1087902 | ok | 882807 | 529684-1235930 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.66 | 10.12 | 1.646 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.53 | 3.27 | 0.774 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.19 | 10.12 | 1.007 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.68 | 3.27 | 0.514 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.88 | 4.55 | 1.073 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.72 | 10.12 | 1.553 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.13 | 3.27 | 0.651 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.90 | 4.55 | 1.736 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.88 | 3.27 | 0.881 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.45 | 4.55 | 1.198 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.31 | 3.27 | 0.706 | ok | 0.704 | 0.644-0.764 |
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.60 | 3.27 | 1.101 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.43 | 10.12 | 1.228 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.31 | 10.12 | 0.228 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 86358 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 435174 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 379594 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.10 | 3.27 | 0.642 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.81 | 10.12 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.31 | 10.12 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.74 | 3.27 | 0.532 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.24 | 4.55 | 1.152 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.35 | 3.27 | 1.024 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.03 | 4.55 | 1.105 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.37 | 3.27 | 0.725 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.21 | 4.55 | 1.365 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.29 | 10.12 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.73 | 10.12 | 1.258 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.59 | 3.27 | 1.098 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 83993 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 426374 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 372534 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.06 | 3.27 | 0.630 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.06 | 4.55 | 1.112 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.22 | 4.55 | 1.147 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.68 | 4.55 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 2.00 | 3.27 | 0.612 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.89 | 4.55 | 1.734 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.22 | 4.55 | 1.367 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.12 | 1.513 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.45 | 3.27 | 0.749 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.91 | 3.27 | 0.890 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81591 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 417480 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 367012 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.22 | 3.27 | 1.291 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.13 | 4.55 | 1.787 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.21 | 4.55 | 1.145 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.34 | 3.27 | 1.021 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.02 | 4.55 | 1.103 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.64 | 3.27 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.88 | 4.55 | 1.732 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.23 | 3.27 | 0.682 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.42 | 3.27 | 0.740 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.01 | 3.27 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.20 | 4.55 | 1.363 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.44 | 4.55 | 1.196 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.20 | 10.12 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 15.99 | 10.12 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.21 | 4.55 | 1.145 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.44 | 3.27 | 0.746 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.58 | 3.27 | 1.095 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.18 | 3.27 | 0.667 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 79966 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410941 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 362110 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.14 | 3.27 | 0.654 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.28 | 3.27 | 0.697 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.16 | 4.55 | 1.134 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.79 | 4.55 | 1.712 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.73 | 4.55 | 1.479 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.11 | 3.27 | 0.645 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.73 | 3.27 | 0.529 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.86 | 4.55 | 1.727 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.95 | 10.12 | 1.378 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.22 | 3.27 | 0.679 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.56 | 10.12 | 1.340 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.45 | 10.12 | 1.230 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.43 | 3.27 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.50 | 10.12 | 1.136 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 81466 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 410025 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 361102 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.82 | 10.12 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.42 | 10.12 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.87 | 10.12 | 1.667 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.95 | 10.12 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.33 | 3.27 | 1.324 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.15 | 4.55 | 1.132 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.04 | 10.12 | 1.684 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.83 | 3.27 | 1.171 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.08 | 10.12 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.74 | 10.12 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.06 | 10.12 | 1.686 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.18 | 4.55 | 1.358 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.87 | 3.27 | 0.878 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.21 | 10.12 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.89 | 4.55 | 1.514 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.42 | 3.27 | 0.740 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 8.99 | 4.55 | 1.976 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.56 | 3.27 | 1.089 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.26 | 4.55 | 1.596 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.44 | 10.12 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 76492 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 388370 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 349697 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.12 | 1.367 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.32 | 10.12 | 1.119 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.67 | 10.12 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.12 | 1.722 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.12 | 1.668 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.57 | 10.12 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.20 | 10.12 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.12 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.14 | 4.55 | 1.789 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.32 | 4.55 | 1.609 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.64 | 10.12 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.12 | 1.685 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.73 | 10.12 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.12 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.12 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.62 | 3.27 | 0.495 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.53 | 4.55 | 1.215 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.12 | 1.844 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.60 | 10.12 | 1.739 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.96 | 10.12 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.12 | 1.687 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.12 | 1.818 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.57 | 10.12 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.14 | 4.55 | 2.009 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.30 | 10.12 | 1.512 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.23 | 10.12 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.91 | 3.27 | 1.196 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.12 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.46 | 10.12 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.12 | 1.813 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.74 | 10.12 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 16.99 | 10.12 | 1.679 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.58 | 10.12 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.00 | 10.12 | 1.581 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.12 | 4.55 | 1.125 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.51 | 10.12 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.12 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.12 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78951 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 399337 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.12 | ok | 10.12 | 9.79-10.45 | 358279 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.83 | 10.13 | 1.365 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.34 | 3.27 | 1.021 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.96 | 10.13 | 1.477 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.85 | 4.55 | 1.066 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.75 | 10.13 | 1.555 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.45 | 10.13 | 1.229 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 77284 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 380992 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 341287 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.13 | 3.27 | 0.651 | ok | 0.653 | 0.593-0.713 |
| Acrolein | 2.09 | 3.27 | 0.639 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.27 | 3.27 | 0.694 | ok | 0.696 | 0.636-0.756 |
| Acetonitrile | 2.05 | 3.27 | 0.627 | ok | 0.627 | 0.567-0.687 |
| 1,3-Butadiene | 1.83 | 3.27 | 0.560 | ok | 0.560 | 0.500-0.620 |
| Benzene | 4.23 | 3.27 | 1.294 | ok | 1.293 | 1.233-1.353 |
| Bromobenzene | 13.84 | 10.13 | 1.366 | ok | 1.366 | 1.306-1.426 |
| Bromodichloromethane | 5.07 | 4.55 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.33 | 10.13 | 1.118 | ok | 1.118 | 1.058-1.178 |
| Bromomethane | 1.91 | 3.27 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.06 | 3.27 | 0.630 | ok | 0.630 | 0.570-0.690 |
| n-Butane | 1.85 | 3.27 | 0.566 | ok | 0.566 | 0.506-0.626 |
| Benzyl Chloride | 16.68 | 10.13 | 1.647 | ok | 1.647 | 1.587-1.707 |
| n-Butylbenzene | 17.43 | 10.13 | 1.721 | ok | 1.722 | 1.662-1.782 |
| sec-Butylbenzene | 16.88 | 10.13 | 1.666 | ok | 1.667 | 1.607-1.727 |
| tert-Butylbenzene | 16.58 | 10.13 | 1.637 | ok | 1.637 | 1.577-1.697 |
| Carbon disulfide | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Chlorobenzene | 10.21 | 10.13 | 1.008 | ok | 1.008 | 0.948-1.068 |
| Chlorodifluoromethane | 1.66 | 3.27 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.96 | 3.27 | 0.599 | ok | 0.599 | 0.539-0.659 |
| Chlorotrifluoroethene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.35 | 3.27 | 1.024 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.73 | 3.27 | 0.529 | ok | 0.529 | 0.469-0.589 |
| 3-Chloropropene | 2.47 | 3.27 | 0.755 | ok | 0.755 | 0.695-0.815 |
| 2-Chlorotoluene | 14.97 | 10.13 | 1.478 | ok | 1.477 | 1.417-1.537 |
| Carbon tetrachloride | 4.34 | 3.27 | 1.327 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.43 | 4.55 | 0.974 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.83 | 3.27 | 0.865 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.39 | 3.27 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.15 | 4.55 | 1.791 | ok | 1.789 | 1.729-1.849 |
| 1,2-Dichloroethane | 3.75 | 3.27 | 1.147 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.89 | 4.55 | 1.075 | ok | 1.074 | 1.014-1.134 |
| 1,3-Dichloropropane | 7.33 | 4.55 | 1.611 | ok | 1.609 | 1.549-1.669 |
| 1,4-Dioxane | 5.14 | 4.55 | 1.130 | ok | 1.137 | 1.077-1.197 |
| Dichlorodifluoromethane | 1.69 | 3.27 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.98 | 3.27 | 0.606 | ok | 0.606 | 0.546-0.666 |
| Dibromochloromethane | 7.80 | 4.55 | 1.714 | ok | 1.713 | 1.653-1.773 |
| Dibromomethane | 4.86 | 4.55 | 1.068 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.75 | 3.27 | 0.841 | ok | 0.841 | 0.781-0.901 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.19 | 3.27 | 0.976 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.06 | 4.55 | 1.332 | ok | 1.332 | 1.272-1.392 |
| m-Dichlorobenzene | 16.65 | 10.13 | 1.644 | ok | 1.644 | 1.584-1.704 |
| o-Dichlorobenzene | 17.05 | 10.13 | 1.683 | ok | 1.684 | 1.624-1.744 |
| p-Dichlorobenzene | 16.74 | 10.13 | 1.653 | ok | 1.653 | 1.593-1.713 |
| trans-1,3-Dichloropropene | 6.74 | 4.55 | 1.481 | ok | 1.481 | 1.421-1.541 |
| Di-Isopropyl ether | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| 2,3-Dimethylpentane | 4.69 | 4.55 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.84 | 3.27 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.99 | 3.27 | 0.609 | ok | 0.610 | 0.550-0.670 |
| Ethylbenzene | 11.09 | 10.13 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.33 | 3.27 | 1.018 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 5.01 | 4.55 | 1.101 | ok | 1.103 | 1.043-1.163 |
| 4-Ethyltoluene | 15.76 | 10.13 | 1.556 | ok | 1.555 | 1.495-1.615 |
| Freon 113 | 2.52 | 3.27 | 0.771 | ok | 0.771 | 0.711-0.831 |
| Freon 114 | 1.76 | 3.27 | 0.538 | ok | 0.538 | 0.478-0.598 |
| Freon 115 | 1.61 | 3.27 | 0.492 | ok | 0.494 | 0.434-0.554 |
| Freon 123 | 2.10 | 3.27 | 0.642 | ok | 0.643 | 0.583-0.703 |
| Freon 123A | 2.12 | 3.27 | 0.648 | ok | 0.649 | 0.589-0.709 |
| Freon 142B | 1.72 | 3.27 | 0.526 | ok | 0.527 | 0.467-0.587 |
| Freon 152A | 1.65 | 3.27 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.54 | 4.55 | 1.218 | ok | 1.216 | 1.156-1.276 |
| Hexachlorobutadiene | 18.66 | 10.13 | 1.842 | ok | 1.843 | 1.783-1.903 |
| Hexachloroethane | 17.61 | 10.13 | 1.738 | ok | 1.739 | 1.679-1.799 |
| Hexane | 3.32 | 3.27 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.55 | 1.725 | ok | 1.729 | 1.669-1.789 |
| Iodomethane | 2.36 | 3.27 | 0.722 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.97 | 10.13 | 1.379 | ok | 1.379 | 1.319-1.439 |
| Isopropyl Alcohol | 2.21 | 3.27 | 0.676 | ok | 0.679 | 0.619-0.739 |
| p-Isopropyltoluene | 17.07 | 10.13 | 1.685 | ok | 1.686 | 1.626-1.746 |
| Methylene chloride | 2.43 | 3.27 | 0.743 | ok | 0.742 | 0.682-0.802 |
| Methyl ethyl ketone | 3.00 | 3.27 | 0.917 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.55 | 1.356 | ok | 1.360 | 1.300-1.420 |
| Methyl Tert Butyl Ether | 2.86 | 3.27 | 0.875 | ok | 0.877 | 0.817-0.937 |
| Methylmethacrylate | 5.43 | 4.55 | 1.193 | ok | 1.195 | 1.135-1.255 |
| Naphthalene | 18.40 | 10.13 | 1.816 | ok | 1.818 | 1.758-1.878 |
| Nonane | 13.58 | 10.13 | 1.341 | ok | 1.340 | 1.280-1.400 |
| Octane | 9.15 | 4.55 | 2.011 | ok | 2.009 | 1.949-2.069 |
| Pentane | 2.30 | 3.27 | 0.703 | ok | 0.704 | 0.644-0.764 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | BK | 5 | GCMS7W | TO-15 | |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | BK | 10 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | BK | 20 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | BK | 40 | GCMS7W | TO-15 | |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.31 | 10.13 | 1.511 | ok | 1.512 | 1.452-1.572 |
| Propylene | 1.67 | 3.27 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.24 | 10.13 | 1.208 | ok | 1.208 | 1.148-1.268 |
| 1,1,1-Trichloroethane | 3.92 | 3.27 | 1.199 | ok | 1.196 | 1.136-1.256 |
| 1,1,1,2-Tetrachloroethane | 10.22 | 10.13 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.47 | 10.13 | 1.231 | ok | 1.231 | 1.171-1.291 |
| 1,1,2-Trichloroethane | 6.90 | 4.55 | 1.516 | ok | 1.515 | 1.455-1.575 |
| 1,2,4-Trichlorobenzene | 18.35 | 10.13 | 1.811 | ok | 1.813 | 1.753-1.873 |
| 1,2,3-Trichloropropane | 12.75 | 10.13 | 1.259 | ok | 1.259 | 1.199-1.319 |
| 1,2,3-Trimethylbenzene | 17.00 | 10.13 | 1.678 | ok | 1.679 | 1.619-1.739 |
| 1,2,4-Trimethylbenzene | 16.59 | 10.13 | 1.638 | ok | 1.638 | 1.578-1.698 |
| 1,3,5-Trimethylbenzene | 16.01 | 10.13 | 1.580 | ok | 1.581 | 1.521-1.641 |
| 2,2,4-Trimethylpentane | 5.22 | 4.55 | 1.147 | ok | 1.147 | 1.087-1.207 |
| Tertiary Butyl Alcohol | 2.41 | 3.27 | 0.737 | ok | 0.743 | 0.683-0.803 |
| Tetrachloroethylene | 9.00 | 4.55 | 1.978 | ok | 1.977 | 1.917-2.037 |
| Tetrahydrofuran | 3.55 | 3.27 | 1.086 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.27 | 4.55 | 1.598 | ok | 1.596 | 1.536-1.656 |
| Trichloroethylene | 5.13 | 4.55 | 1.127 | ok | 1.126 | 1.066-1.186 |
| Trichlorofluoromethane | 2.19 | 3.27 | 0.670 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.79 | 3.27 | 0.547 | ok | 0.547 | 0.487-0.607 |
| Vinyl Acetate | 2.90 | 3.27 | 0.887 | ok | 0.888 | 0.828-0.948 |
| m,p-Xylene | 11.52 | 10.13 | 1.137 | ok | 1.137 | 1.077-1.197 |
| o-Xylene | 12.46 | 10.13 | 1.230 | ok | 1.229 | 1.169-1.289 |
| TVHC As Equiv Pentane | 2.30 | 10.13 | 0.227 | ok | 0.227 | 0.167-0.287 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.27 | ok | 3.27 | 2.94-3.60 | 78494 | ok | 80511 | 48307-112715 |
| 1,4-Difluorobenzene | 4.55 | ok | 4.55 | 4.22-4.88 | 389657 | ok | 406483 | 243890-569076 |
| Chlorobenzene-D5 | 10.13 | ok | 10.12 | 9.79-10.45 | 345790 | ok | 359712 | 215827-503597 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.10 | 3.22 | 0.652 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.06 | 3.22 | 0.640 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.22 | 0.696 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.03 | 3.22 | 0.630 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.22 | 0.562 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.22 | 1.295 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.72 | 10.03 | 1.368 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.00 | 4.49 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.23 | 10.03 | 1.120 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.88 | 3.22 | 0.584 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.22 | 0.630 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.22 | 0.565 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.63 | 10.03 | 1.658 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.03 | 1.735 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.03 | 1.679 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.22 | 0.773 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.10 | 10.03 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.22 | 0.509 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.22 | 0.599 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.22 | 0.512 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.29 | 3.22 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.22 | 0.531 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.43 | 3.22 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.84 | 10.03 | 1.480 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.22 | 1.329 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.37 | 4.49 | 0.973 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.22 | 0.866 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.22 | 0.733 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.05 | 4.49 | 1.793 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.22 | 1.149 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.24 | 4.49 | 1.612 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.23 | 4.49 | 1.165 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.22 | 0.519 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.22 | 0.609 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.49 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.22 | 0.845 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.22 | 0.978 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.03 | 1.655 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.03 | 1.696 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.03 | 1.664 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.49 | 1.486 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.29 | 3.22 | 1.022 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.78 | 3.22 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.97 | 3.22 | 0.612 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.03 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.30 | 3.22 | 1.025 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.97 | 4.49 | 1.107 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.65 | 10.03 | 1.560 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.22 | 0.773 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.22 | 0.540 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.22 | 0.497 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.22 | 0.643 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.22 | 0.649 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.70 | 3.22 | 0.528 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.22 | 0.506 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.49 | 1.218 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.03 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.58 | 10.03 | 1.753 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.22 | 1.019 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.82 | 4.49 | 1.742 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.22 | 0.724 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.86 | 10.03 | 1.382 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.19 | 3.22 | 0.680 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.03 | 1.698 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.22 | 0.745 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.97 | 3.22 | 0.922 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.13 | 4.49 | 1.365 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.83 | 3.22 | 0.879 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.38 | 10.03 | 1.833 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.46 | 10.03 | 1.342 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.49 | 2.018 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.22 | 0.705 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.20 | 10.03 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.22 | 0.512 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.15 | 10.03 | 1.211 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.87 | 3.22 | 1.202 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.11 | 10.03 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.35 | 10.03 | 1.231 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.83 | 4.49 | 1.521 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.03 | 1.827 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.03 | 1.260 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.03 | 1.691 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.03 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.15 | 4.49 | 1.147 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.40 | 3.22 | 0.745 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.90 | 4.49 | 1.982 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.54 | 3.22 | 1.099 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.49 | 1.601 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.49 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.22 | 0.671 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.22 | 0.550 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.22 | 0.888 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.42 | 10.03 | 1.139 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.35 | 10.03 | 1.231 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.03 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.22 | ok | 3.23 | 2.90-3.56 | 135115 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 681342 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.03 | ok | 10.03 | 9.70-10.36 | 623287 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.11 | 3.22 | 0.655 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.07 | 3.22 | 0.643 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.22 | 0.696 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.03 | 3.22 | 0.630 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.22 | 0.562 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.22 | 1.295 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.72 | 10.03 | 1.368 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.00 | 4.49 | 1.114 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.23 | 10.03 | 1.120 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.89 | 3.22 | 0.587 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.22 | 0.630 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.83 | 3.22 | 0.568 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.62 | 10.03 | 1.657 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.39 | 10.03 | 1.734 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.03 | 1.679 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.22 | 0.773 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.10 | 10.03 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.22 | 0.509 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.22 | 0.599 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.22 | 0.512 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.22 | 1.025 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.22 | 0.531 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.22 | 0.758 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.85 | 10.03 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.22 | 1.329 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.49 | 0.976 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.22 | 0.866 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.22 | 0.733 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.05 | 4.49 | 1.793 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.22 | 1.149 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.24 | 4.49 | 1.612 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.17 | 4.49 | 1.151 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.22 | 0.519 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.22 | 0.609 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.78 | 4.49 | 1.065 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.22 | 0.845 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.22 | 0.978 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.03 | 1.655 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.03 | 1.696 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.03 | 1.664 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.66 | 4.49 | 1.483 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.29 | 3.22 | 1.022 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.78 | 3.22 | 1.174 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.97 | 3.22 | 0.612 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.03 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.30 | 3.22 | 1.025 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.96 | 4.49 | 1.105 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.03 | 1.559 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.22 | 0.773 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.22 | 0.540 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.22 | 0.497 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.08 | 3.22 | 0.646 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.22 | 0.649 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.71 | 3.22 | 0.531 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.22 | 0.506 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.46 | 4.49 | 1.216 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.03 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.57 | 10.03 | 1.752 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.27 | 3.22 | 1.016 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.80 | 4.49 | 1.737 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.22 | 0.724 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.85 | 10.03 | 1.381 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.19 | 3.22 | 0.680 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.03 | 1.698 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.39 | 3.22 | 0.742 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.97 | 3.22 | 0.922 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.13 | 4.49 | 1.365 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.83 | 3.22 | 0.879 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.03 | 1.832 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.46 | 10.03 | 1.342 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.49 | 2.018 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.22 | 0.705 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.20 | 10.03 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.22 | 0.512 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.13 | 10.03 | 1.209 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.86 | 3.22 | 1.199 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.11 | 10.03 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.35 | 10.03 | 1.231 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.49 | 1.519 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.03 | 1.827 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.65 | 10.03 | 1.261 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.03 | 1.691 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.03 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.49 | 1.149 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.40 | 3.22 | 0.745 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.91 | 4.49 | 1.984 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.54 | 3.22 | 1.099 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.18 | 4.49 | 1.599 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.49 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.22 | 0.671 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.22 | 0.550 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.22 | 0.888 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.38 | 10.03 | 1.135 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.34 | 10.03 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.03 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.22 | ok | 3.23 | 2.90-3.56 | 133584 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 679369 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.03 | ok | 10.03 | 9.70-10.36 | 626077 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |



| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.12 | 3.23 | 0.656 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.07 | 3.23 | 0.641 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.25 | 3.23 | 0.697 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.03 | 3.23 | 0.628 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.72 | 10.03 | 1.368 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.00 | 4.50 | 1.111 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.22 | 10.03 | 1.119 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.89 | 3.23 | 0.585 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.62 | 10.03 | 1.657 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.03 | 1.735 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.03 | 1.679 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.52 | 10.03 | 1.647 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.10 | 10.03 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.85 | 10.03 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.50 | 0.973 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.80 | 3.23 | 0.867 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.06 | 4.50 | 1.791 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.84 | 4.50 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.50 | 1.611 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.23 | 4.50 | 1.162 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.50 | 1.716 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.50 | 1.064 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.50 | 1.331 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.03 | 1.655 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.03 | 1.696 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.03 | 1.664 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.50 | 1.482 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.30 | 3.23 | 1.022 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.50 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.78 | 3.23 | 1.170 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.98 | 3.23 | 0.613 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.03 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.31 | 3.23 | 1.025 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.98 | 4.50 | 1.107 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.03 | 1.559 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.23 | 0.641 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.70 | 3.23 | 0.526 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.62 | 3.23 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.50 | 1.216 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.03 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.57 | 10.03 | 1.752 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.85 | 4.50 | 1.744 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.86 | 10.03 | 1.382 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.20 | 3.23 | 0.681 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.03 | 1.698 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.98 | 3.23 | 0.923 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.17 | 4.50 | 1.371 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.85 | 3.23 | 0.882 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.39 | 4.50 | 1.198 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.03 | 1.832 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.47 | 10.03 | 1.343 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.05 | 4.50 | 2.011 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.20 | 10.03 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.14 | 10.03 | 1.210 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.87 | 3.23 | 1.198 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.12 | 10.03 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.36 | 10.03 | 1.232 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.50 | 1.516 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.03 | 1.827 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.03 | 1.260 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.03 | 1.691 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.03 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.50 | 1.147 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.43 | 3.23 | 0.752 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.90 | 4.50 | 1.978 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.54 | 3.23 | 1.096 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.50 | 1.598 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.50 | 1.124 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.87 | 3.23 | 0.889 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.43 | 10.03 | 1.140 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.34 | 10.03 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.03 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 135376 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.50 | ok | 4.49 | 4.16-4.82 | 684640 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.03 | ok | 10.03 | 9.70-10.36 | 633519 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.11 | 3.23 | 0.653 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.07 | 3.23 | 0.641 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.23 | 0.693 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.03 | 3.23 | 0.628 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.71 | 10.03 | 1.367 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.49 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.22 | 10.03 | 1.119 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.89 | 3.23 | 0.585 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.62 | 10.03 | 1.657 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.39 | 10.03 | 1.734 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.03 | 1.679 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.52 | 10.03 | 1.647 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.10 | 10.03 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.85 | 10.03 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.37 | 4.49 | 0.973 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.23 | 0.864 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.06 | 4.49 | 1.795 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.49 | 1.615 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.14 | 4.49 | 1.145 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.49 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.03 | 1.655 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.03 | 1.696 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.03 | 1.664 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.66 | 4.49 | 1.483 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.96 | 3.23 | 0.607 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.03 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.29 | 3.23 | 1.019 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.96 | 4.49 | 1.105 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.03 | 1.559 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.23 | 0.641 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.71 | 3.23 | 0.529 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.23 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.49 | 1.218 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.03 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.57 | 10.03 | 1.752 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.79 | 4.49 | 1.735 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.85 | 10.03 | 1.381 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.18 | 3.23 | 0.675 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.03 | 1.698 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.97 | 3.23 | 0.920 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.12 | 4.49 | 1.363 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.83 | 3.23 | 0.876 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.03 | 1.832 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.47 | 10.03 | 1.343 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.49 | 2.018 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.19 | 10.03 | 1.514 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.14 | 10.03 | 1.210 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.86 | 3.23 | 1.195 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.11 | 10.03 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.35 | 10.03 | 1.231 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.49 | 1.519 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.03 | 1.827 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.03 | 1.260 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.95 | 10.03 | 1.690 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.03 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.15 | 4.49 | 1.147 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.40 | 3.23 | 0.743 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.90 | 4.49 | 1.982 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.52 | 3.23 | 1.090 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.18 | 4.49 | 1.599 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.49 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.23 | 0.885 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.41 | 10.03 | 1.138 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.34 | 10.03 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.03 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 130126 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 661732 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.03 | ok | 10.03 | 9.70-10.36 | 600657 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.11 | 3.23 | 0.653 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.07 | 3.23 | 0.641 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.25 | 3.23 | 0.697 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.03 | 3.23 | 0.628 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.72 | 10.04 | 1.367 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.50 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.23 | 10.04 | 1.119 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.89 | 3.23 | 0.585 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.04 | 3.23 | 0.632 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.83 | 3.23 | 0.567 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.63 | 10.04 | 1.656 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.04 | 1.733 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.04 | 1.677 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.53 | 10.04 | 1.646 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.50 | 3.23 | 0.774 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.11 | 10.04 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.86 | 10.04 | 1.480 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.29 | 3.23 | 1.328 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.50 | 0.973 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.80 | 3.23 | 0.867 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.06 | 4.50 | 1.791 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.50 | 1.073 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.50 | 1.611 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.12 | 4.50 | 1.138 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.50 | 1.716 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.50 | 1.064 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.50 | 1.331 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.04 | 1.653 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.04 | 1.694 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.04 | 1.662 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.50 | 1.482 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.50 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.97 | 3.23 | 0.610 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.04 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.29 | 3.23 | 1.019 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.96 | 4.50 | 1.102 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.04 | 1.558 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.50 | 3.23 | 0.774 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.08 | 3.23 | 0.644 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.71 | 3.23 | 0.529 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.23 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.50 | 1.216 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.04 | 1.856 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.58 | 10.04 | 1.751 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.80 | 4.50 | 1.733 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.34 | 3.23 | 0.724 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.86 | 10.04 | 1.380 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.19 | 3.23 | 0.678 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.04 | 1.696 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.96 | 3.23 | 0.916 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.12 | 4.50 | 1.360 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.83 | 3.23 | 0.876 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.50 | 1.193 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.04 | 1.830 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.47 | 10.04 | 1.342 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.50 | 2.013 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | Reporting this level |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.19 | 10.04 | 1.513 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.14 | 10.04 | 1.209 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.87 | 3.23 | 1.198 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.12 | 10.04 | 1.008 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.36 | 10.04 | 1.231 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.50 | 1.516 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.04 | 1.825 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.04 | 1.259 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.04 | 1.689 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.04 | 1.646 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.04 | 1.585 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.50 | 1.147 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.40 | 3.23 | 0.743 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.91 | 4.50 | 1.980 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.52 | 3.23 | 1.090 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.50 | 1.598 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.50 | 1.124 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.87 | 3.23 | 0.889 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.41 | 10.04 | 1.136 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.35 | 10.04 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.04 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 131992 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.50 | ok | 4.49 | 4.16-4.82 | 667855 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.04 | ok | 10.03 | 9.70-10.36 | 626654 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.10 | 3.23 | 0.650 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.06 | 3.23 | 0.638 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.23 | 0.693 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.02 | 3.23 | 0.625 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.72 | 10.03 | 1.368 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.49 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.23 | 10.03 | 1.120 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.88 | 3.23 | 0.582 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.63 | 10.03 | 1.658 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.39 | 10.03 | 1.734 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.03 | 1.679 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.11 | 10.03 | 1.008 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.85 | 10.03 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.49 | 0.976 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.23 | 0.864 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.06 | 4.49 | 1.795 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.49 | 1.615 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.08 | 4.49 | 1.131 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.66 | 3.23 | 0.514 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.49 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.03 | 1.655 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.03 | 1.696 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.03 | 1.664 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.66 | 4.49 | 1.483 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.96 | 3.23 | 0.607 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.03 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.28 | 3.23 | 1.015 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.95 | 4.49 | 1.102 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.03 | 1.559 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.23 | 0.641 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.70 | 3.23 | 0.526 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.62 | 3.23 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.49 | 1.218 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.03 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.57 | 10.03 | 1.752 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.27 | 3.23 | 1.012 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.76 | 4.49 | 1.728 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.86 | 10.03 | 1.382 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.17 | 3.23 | 0.672 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.03 | 1.698 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.96 | 3.23 | 0.916 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.09 | 4.49 | 1.356 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.82 | 3.23 | 0.873 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.03 | 1.832 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.47 | 10.03 | 1.343 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.49 | 2.018 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.20 | 10.03 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.13 | 10.03 | 1.209 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.86 | 3.23 | 1.195 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.12 | 10.03 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.36 | 10.03 | 1.232 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.49 | 1.519 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.03 | 1.827 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.03 | 1.260 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.03 | 1.691 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.53 | 10.03 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.91 | 10.03 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.49 | 1.149 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.37 | 3.23 | 0.734 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.91 | 4.49 | 1.984 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.51 | 3.23 | 1.087 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.49 | 1.601 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.49 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.23 | 0.885 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.42 | 10.03 | 1.139 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.34 | 10.03 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.03 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 131378 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 659033 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.03 | ok | 10.03 | 9.70-10.36 | 616113 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.10 | 3.23 | 0.650 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.06 | 3.23 | 0.638 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.23 | 0.693 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.02 | 3.23 | 0.625 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.73 | 10.04 | 1.368 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.49 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.23 | 10.04 | 1.119 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.88 | 3.23 | 0.582 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.63 | 10.04 | 1.656 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.04 | 1.733 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.04 | 1.677 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.53 | 10.04 | 1.646 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.11 | 10.04 | 1.007 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.86 | 10.04 | 1.480 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.49 | 0.976 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.23 | 0.864 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.06 | 4.49 | 1.795 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.49 | 1.615 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.07 | 4.49 | 1.129 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.49 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.60 | 10.04 | 1.653 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.01 | 10.04 | 1.694 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.69 | 10.04 | 1.662 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.49 | 1.486 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.96 | 3.23 | 0.607 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 10.99 | 10.04 | 1.095 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.28 | 3.23 | 1.015 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.95 | 4.49 | 1.102 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.64 | 10.04 | 1.558 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.23 | 0.641 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.70 | 3.23 | 0.526 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.62 | 3.23 | 0.502 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.49 | 1.218 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.04 | 1.856 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.57 | 10.04 | 1.750 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.76 | 4.49 | 1.728 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.86 | 10.04 | 1.380 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.17 | 3.23 | 0.672 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.03 | 10.04 | 1.696 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.96 | 3.23 | 0.916 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.09 | 4.49 | 1.356 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.82 | 3.23 | 0.873 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.04 | 1.830 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.48 | 10.04 | 1.343 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.06 | 4.49 | 2.018 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.20 | 10.04 | 1.514 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.14 | 10.04 | 1.209 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.86 | 3.23 | 1.195 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.13 | 10.04 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.36 | 10.04 | 1.231 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.82 | 4.49 | 1.519 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.32 | 10.04 | 1.825 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.64 | 10.04 | 1.259 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.04 | 1.689 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.54 | 10.04 | 1.647 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.92 | 10.04 | 1.586 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.49 | 1.149 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.37 | 3.23 | 0.734 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.91 | 4.49 | 1.984 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.51 | 3.23 | 1.087 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.49 | 1.601 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.06 | 4.49 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.23 | 0.885 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.42 | 10.04 | 1.137 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.35 | 10.04 | 1.230 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.04 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 126854 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 638427 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.04 | ok | 10.03 | 9.70-10.36 | 603108 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.10 | 3.23 | 0.650 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.06 | 3.23 | 0.638 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.23 | 0.693 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.02 | 3.23 | 0.625 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.74 | 10.04 | 1.369 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.49 | 1.116 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.24 | 10.04 | 1.120 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.88 | 3.23 | 0.582 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.63 | 10.04 | 1.656 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.04 | 1.733 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.84 | 10.04 | 1.677 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.54 | 10.04 | 1.647 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.12 | 10.04 | 1.008 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.87 | 10.04 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.49 | 0.976 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.79 | 3.23 | 0.864 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.07 | 4.49 | 1.797 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.70 | 3.23 | 1.146 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.83 | 4.49 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.25 | 4.49 | 1.615 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.07 | 4.49 | 1.129 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.49 | 1.719 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.79 | 4.49 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 5.99 | 4.49 | 1.334 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.61 | 10.04 | 1.654 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.02 | 10.04 | 1.695 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.70 | 10.04 | 1.663 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.49 | 1.486 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.49 | 1.031 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.96 | 3.23 | 0.607 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 11.00 | 10.04 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.29 | 3.23 | 1.019 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.95 | 4.49 | 1.102 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.65 | 10.04 | 1.559 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.08 | 3.23 | 0.644 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.71 | 3.23 | 0.529 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.23 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.49 | 1.218 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.63 | 10.04 | 1.856 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.58 | 10.04 | 1.751 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.76 | 4.49 | 1.728 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.87 | 10.04 | 1.381 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.17 | 3.23 | 0.672 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.04 | 10.04 | 1.697 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.96 | 3.23 | 0.916 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.09 | 4.49 | 1.356 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.82 | 3.23 | 0.873 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.49 | 1.196 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.37 | 10.04 | 1.830 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.48 | 10.04 | 1.343 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.07 | 4.49 | 2.020 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | Reporting this level |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.21 | 10.04 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.15 | 10.04 | 1.210 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.87 | 3.23 | 1.198 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.13 | 10.04 | 1.009 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.38 | 10.04 | 1.233 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.83 | 4.49 | 1.521 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.33 | 10.04 | 1.826 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.65 | 10.04 | 1.260 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.96 | 10.04 | 1.689 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.55 | 10.04 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.93 | 10.04 | 1.587 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.49 | 1.149 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.37 | 3.23 | 0.734 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.91 | 4.49 | 1.984 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.50 | 3.23 | 1.084 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.19 | 4.49 | 1.601 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.07 | 4.49 | 1.129 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.23 | 0.885 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.43 | 10.04 | 1.138 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.36 | 10.04 | 1.231 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.04 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 128392 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.49 | ok | 4.49 | 4.16-4.82 | 638040 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.04 | ok | 10.03 | 9.70-10.36 | 608914 | ok | 618891 | 371335-866447 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| Acetone (2-Propanone) | 2.10 | 3.23 | 0.650 | ok | 0.652 | 0.592-0.712 |
| Acrolein | 2.06 | 3.23 | 0.638 | ok | 0.640 | 0.580-0.700 |
| Acrylonitrile | 2.24 | 3.23 | 0.693 | ok | 0.695 | 0.635-0.755 |
| Acetonitrile | 2.02 | 3.23 | 0.625 | ok | 0.628 | 0.568-0.688 |
| 1,3-Butadiene | 1.81 | 3.23 | 0.560 | ok | 0.561 | 0.501-0.621 |
| Benzene | 4.17 | 3.23 | 1.291 | ok | 1.292 | 1.232-1.352 |
| Bromobenzene | 13.74 | 10.04 | 1.369 | ok | 1.368 | 1.308-1.428 |
| Bromodichloromethane | 5.01 | 4.50 | 1.113 | ok | 1.114 | 1.054-1.174 |
| Bromoform | 11.24 | 10.04 | 1.120 | ok | 1.119 | 1.059-1.179 |
| Bromomethane | 1.88 | 3.23 | 0.582 | ok | 0.584 | 0.524-0.644 |
| Bromoethene | 2.03 | 3.23 | 0.628 | ok | 0.629 | 0.569-0.689 |
| n-Butane | 1.82 | 3.23 | 0.563 | ok | 0.565 | 0.505-0.625 |
| Benzyl Chloride | 16.64 | 10.04 | 1.657 | ok | 1.657 | 1.597-1.717 |
| n-Butylbenzene | 17.40 | 10.04 | 1.733 | ok | 1.734 | 1.674-1.794 |
| sec-Butylbenzene | 16.85 | 10.04 | 1.678 | ok | 1.678 | 1.618-1.738 |
| tert-Butylbenzene | 16.54 | 10.04 | 1.647 | ok | 1.647 | 1.587-1.707 |
| Carbon disulfide | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Chlorobenzene | 10.12 | 10.04 | 1.008 | ok | 1.007 | 0.947-1.067 |
| Chlorodifluoromethane | 1.64 | 3.23 | 0.508 | ok | 0.508 | 0.448-0.568 |
| Chloroethane | 1.93 | 3.23 | 0.598 | ok | 0.598 | 0.538-0.658 |
| Chlorotrifluoroethene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Chloroform | 3.30 | 3.23 | 1.022 | ok | 1.022 | 0.962-1.082 |
| Chloromethane | 1.71 | 3.23 | 0.529 | ok | 0.530 | 0.470-0.590 |
| 3-Chloropropene | 2.44 | 3.23 | 0.755 | ok | 0.756 | 0.696-0.816 |
| 2-Chlorotoluene | 14.87 | 10.04 | 1.481 | ok | 1.480 | 1.420-1.540 |
| Carbon tetrachloride | 4.28 | 3.23 | 1.325 | ok | 1.326 | 1.266-1.386 |
| Cyclohexane | 4.38 | 4.50 | 0.973 | ok | 0.974 | 0.914-1.034 |
| 1,1-Dichloroethane | 2.80 | 3.23 | 0.867 | ok | 0.865 | 0.805-0.925 |
| 1,1-Dichloroethylene | 2.36 | 3.23 | 0.731 | ok | 0.731 | 0.671-0.791 |
| 1,2-Dibromoethane (EDB) | 8.07 | 4.50 | 1.793 | ok | 1.794 | 1.734-1.854 |
| 1,2-Dichloroethane | 3.71 | 3.23 | 1.149 | ok | 1.147 | 1.087-1.207 |
| 1,2-Dichloropropane | 4.84 | 4.50 | 1.076 | ok | 1.075 | 1.015-1.135 |
| 1,3-Dichloropropane | 7.26 | 4.50 | 1.613 | ok | 1.613 | 1.553-1.673 |
| 1,4-Dioxane | 5.07 | 4.50 | 1.127 | ok | 1.142 | 1.082-1.202 |
| Dichlorodifluoromethane | 1.67 | 3.23 | 0.517 | ok | 0.517 | 0.457-0.577 |
| Dichlorofluoromethane | 1.96 | 3.23 | 0.607 | ok | 0.607 | 0.547-0.667 |
| Dibromochloromethane | 7.72 | 4.50 | 1.716 | ok | 1.718 | 1.658-1.778 |
| Dibromomethane | 4.80 | 4.50 | 1.067 | ok | 1.066 | 1.006-1.126 |
| trans-1,2-Dichloroethylene | 2.72 | 3.23 | 0.842 | ok | 0.843 | 0.783-0.903 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| cis-1,2-Dichloroethylene | 3.15 | 3.23 | 0.975 | ok | 0.976 | 0.916-1.036 |
| cis-1,3-Dichloropropene | 6.00 | 4.50 | 1.333 | ok | 1.333 | 1.273-1.393 |
| m-Dichlorobenzene | 16.61 | 10.04 | 1.654 | ok | 1.655 | 1.595-1.715 |
| o-Dichlorobenzene | 17.02 | 10.04 | 1.695 | ok | 1.695 | 1.635-1.755 |
| p-Dichlorobenzene | 16.70 | 10.04 | 1.663 | ok | 1.663 | 1.603-1.723 |
| trans-1,3-Dichloropropene | 6.67 | 4.50 | 1.482 | ok | 1.484 | 1.424-1.544 |
| Di-Isopropyl ether | 3.28 | 3.23 | 1.015 | ok | 1.018 | 0.958-1.078 |
| 2,3-Dimethylpentane | 4.63 | 4.50 | 1.029 | ok | 1.030 | 0.970-1.090 |
| 2,4-Dimethylpentane | 3.79 | 3.23 | 1.173 | ok | 1.173 | 1.113-1.233 |
| Ethanol | 1.96 | 3.23 | 0.607 | ok | 0.609 | 0.549-0.669 |
| Ethylbenzene | 11.00 | 10.04 | 1.096 | ok | 1.095 | 1.035-1.155 |
| Ethyl Acetate | 3.29 | 3.23 | 1.019 | ok | 1.020 | 0.960-1.080 |
| Ethyl Acrylate | 4.95 | 4.50 | 1.100 | ok | 1.104 | 1.044-1.164 |
| 4-Ethyltoluene | 15.66 | 10.04 | 1.560 | ok | 1.559 | 1.499-1.619 |
| Freon 113 | 2.49 | 3.23 | 0.771 | ok | 0.772 | 0.712-0.832 |
| Freon 114 | 1.74 | 3.23 | 0.539 | ok | 0.539 | 0.479-0.599 |
| Freon 115 | 1.60 | 3.23 | 0.495 | ok | 0.496 | 0.436-0.556 |
| Freon 123 | 2.07 | 3.23 | 0.641 | ok | 0.642 | 0.582-0.702 |
| Freon 123A | 2.09 | 3.23 | 0.647 | ok | 0.648 | 0.588-0.708 |
| Freon 142B | 1.71 | 3.23 | 0.529 | ok | 0.528 | 0.468-0.588 |
| Freon 152A | 1.63 | 3.23 | 0.505 | ok | 0.504 | 0.444-0.564 |
| Heptane | 5.47 | 4.50 | 1.216 | ok | 1.217 | 1.157-1.277 |
| Hexachlorobutadiene | 18.64 | 10.04 | 1.857 | ok | 1.857 | 1.797-1.917 |
| Hexachloroethane | 17.58 | 10.04 | 1.751 | ok | 1.751 | 1.691-1.811 |
| Hexane | 3.28 | 3.23 | 1.015 | ok | 1.015 | 0.955-1.075 |
| 2-Hexanone | 7.77 | 4.50 | 1.727 | ok | 1.734 | 1.674-1.794 |
| Iodomethane | 2.33 | 3.23 | 0.721 | ok | 0.722 | 0.662-0.782 |
| Isopropylbenzene | 13.88 | 10.04 | 1.382 | ok | 1.381 | 1.321-1.441 |
| Isopropyl Alcohol | 2.17 | 3.23 | 0.672 | ok | 0.676 | 0.616-0.736 |
| p-Isopropyltoluene | 17.04 | 10.04 | 1.697 | ok | 1.697 | 1.637-1.757 |
| Methylene chloride | 2.40 | 3.23 | 0.743 | ok | 0.743 | 0.683-0.803 |
| Methyl ethyl ketone | 2.96 | 3.23 | 0.916 | ok | 0.919 | 0.859-0.979 |
| Methyl Isobutyl Ketone | 6.10 | 4.50 | 1.356 | ok | 1.361 | 1.301-1.421 |
| Methyl Tert Butyl Ether | 2.82 | 3.23 | 0.873 | ok | 0.876 | 0.816-0.936 |
| Methylmethacrylate | 5.37 | 4.50 | 1.193 | ok | 1.196 | 1.136-1.256 |
| Naphthalene | 18.38 | 10.04 | 1.831 | ok | 1.831 | 1.771-1.891 |
| Nonane | 13.49 | 10.04 | 1.344 | ok | 1.343 | 1.283-1.403 |
| Octane | 9.07 | 4.50 | 2.016 | ok | 2.017 | 1.957-2.077 |
| Pentane | 2.27 | 3.23 | 0.703 | ok | 0.703 | 0.643-0.763 |

# Initial Calibration Retention Time/Internal Standard Area Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| Sample Number | Lab File ID | Injected | By | Level | Inst ID | Method | |
|---|---|---|---|---|---|---|---|
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | BK | 0.04 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | BK | 0.10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | BK | 0.20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | BK | 0.50 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | BK | 5 | GCMS7W | TO-15 | |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | BK | 10 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | BK | 20 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | BK | 40 | GCMS7W | TO-15 | |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | BK | 50 | GCMS7W | TO-15 | Reporting this level |

| Target Compound | RT (min.) | Istd RT (min.) | Rel RT | | Mean Rel RT | Rel RT Range (+ /- .06) |
|---|---|---|---|---|---|---|
| n-Propylbenzene | 15.21 | 10.04 | 1.515 | ok | 1.515 | 1.455-1.575 |
| Propylene | 1.65 | 3.23 | 0.511 | ok | 0.511 | 0.451-0.571 |
| Styrene | 12.15 | 10.04 | 1.210 | ok | 1.210 | 1.150-1.270 |
| 1,1,1-Trichloroethane | 3.87 | 3.23 | 1.198 | ok | 1.198 | 1.138-1.258 |
| 1,1,1,2-Tetrachloroethane | 10.14 | 10.04 | 1.010 | ok | 1.009 | 0.949-1.069 |
| 1,1,2,2-Tetrachloroethane | 12.38 | 10.04 | 1.233 | ok | 1.232 | 1.172-1.292 |
| 1,1,2-Trichloroethane | 6.83 | 4.50 | 1.518 | ok | 1.519 | 1.459-1.579 |
| 1,2,4-Trichlorobenzene | 18.33 | 10.04 | 1.826 | ok | 1.826 | 1.766-1.886 |
| 1,2,3-Trichloropropane | 12.66 | 10.04 | 1.261 | ok | 1.260 | 1.200-1.320 |
| 1,2,3-Trimethylbenzene | 16.97 | 10.04 | 1.690 | ok | 1.690 | 1.630-1.750 |
| 1,2,4-Trimethylbenzene | 16.55 | 10.04 | 1.648 | ok | 1.648 | 1.588-1.708 |
| 1,3,5-Trimethylbenzene | 15.93 | 10.04 | 1.587 | ok | 1.586 | 1.526-1.646 |
| 2,2,4-Trimethylpentane | 5.16 | 4.50 | 1.147 | ok | 1.148 | 1.088-1.208 |
| Tertiary Butyl Alcohol | 2.37 | 3.23 | 0.734 | ok | 0.740 | 0.680-0.800 |
| Tetrachloroethylene | 8.92 | 4.50 | 1.982 | ok | 1.982 | 1.922-2.042 |
| Tetrahydrofuran | 3.50 | 3.23 | 1.084 | ok | 1.091 | 1.031-1.151 |
| Toluene | 7.20 | 4.50 | 1.600 | ok | 1.600 | 1.540-1.660 |
| Trichloroethylene | 5.07 | 4.50 | 1.127 | ok | 1.127 | 1.067-1.187 |
| Trichlorofluoromethane | 2.16 | 3.23 | 0.669 | ok | 0.669 | 0.609-0.729 |
| Vinyl chloride | 1.77 | 3.23 | 0.548 | ok | 0.548 | 0.488-0.608 |
| Vinyl Acetate | 2.86 | 3.23 | 0.885 | ok | 0.887 | 0.827-0.947 |
| m,p-Xylene | 11.43 | 10.04 | 1.138 | ok | 1.138 | 1.078-1.198 |
| o-Xylene | 12.36 | 10.04 | 1.231 | ok | 1.231 | 1.171-1.291 |
| TVHC As Equiv Pentane | 2.27 | 10.04 | 0.226 | ok | 0.226 | 0.166-0.286 |

| Internal Standard | RT (min.) | | Mean RT(min.) | RT Range (+ /- 0.33) | Area | | Mean Area | Area Range (+ /- 40 %) |
|---|---|---|---|---|---|---|---|---|
| Bromochloromethane | 3.23 | ok | 3.23 | 2.90-3.56 | 131520 | ok | 131593 | 78956-184230 |
| 1,4-Difluorobenzene | 4.50 | ok | 4.49 | 4.16-4.82 | 651140 | ok | 662398 | 397439-927357 |
| Chlorobenzene-D5 | 10.04 | ok | 10.03 | 9.70-10.36 | 631688 | ok | 618891 | 371335-866447 |

# Surrogate Recovery Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| JE2491-1 | 5W55795.D | 111 |
| JE2491-2 | 5W55831.D | 107 |
| JE2491-2 | 5W55796.D | 111 |
| JE2491-2 | 5W55722.D | 118 |
| JE2491-3 | 5W55797.D | 113 |
| JE2491-4 | 7W11545.D | 99 |
| JE2491-4 | 7W11594.D | 99 |
| JE2315-1DUP | 5W55826.D | 109 |
| JE2488-2DUP | 5W55717.D | 106 |
| JE2665-1DUP | 5W55785.D | 113 |
| JE2792-5DUP | 7W11549.D | 102 |
| JE3433-3DUP | 7W11588.D | 103 |
| V5W2132-SCC | 5W55670A.D | 113 |
| V5W2133-BS | 5W55701.D | 100 |
| V5W2133-BSD | 5W55703.D | 99 |
| V5W2133-MB | 5W55706.D | 110 |
| V5W2136-BS | 5W55779.D | 101 |
| V5W2136-BSD | 5W55781.D | 99 |
| V5W2136-MB | 5W55783.D | 111 |
| V5W2138-BS | 5W55820.D | 101 |
| V5W2138-BSD | 5W55821.D | 100 |
| V5W2138-MB | 5W55823.D | 109 |
| V7W387-SCC | 7W10605.D | 85 |
| V7W392-SCC | 7W10777.D | 100 |
| V7W394-SCC | 7W10831.D | 92 |
| V7W414-BS | 7W11536.D | 102 |
| V7W414-BSD | 7W11537.D | 103 |
| V7W414-MB | 7W11539.D | 98 |
| V7W415-BS | 7W11572.D | 103 |
| V7W415-BSD | 7W11573.D | 103 |
| V7W415-MB | 7W11575.D | 97 |
| V5W2132-BS | 5W55665.D | 98 |
| V5W2132-BSD | 5W55666.D | 100 |
| V5W2132-MB | 5W55670.D | 113 |
| V7W387-BS | 7W10577.D | 93 |
| V7W387-BSD | 7W10578.D | 94 |
| V7W387-MB | 7W10580.D | 88 |
| V7W392-BS | 7W10744.D | 98 |
| V7W392-BSD | 7W10745.D | 99 |
| V7W392-MB | 7W10747.D | 94 |

# Surrogate Recovery Summary

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Method:** TO-15 **Matrix:** AIR

**Samples and QC shown here apply to the above method**

| Lab Sample ID | Lab File ID | S1 |
|---|---|---|
| V7W394-BS | 7W10811.D | 97 |
| V7W394-BSD | 7W10812.D | 97 |
| V7W394-MB | 7W10814.D | 93 |

| Surrogate Compounds | Recovery Limits |
|---|---|
| **S1** = 4-Bromofluorobenzene | 65-128% |

# Initial Calibration Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICC2125
**Lab FileID:** 5W55466.D

Response Factor Report GCMS5W

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

Calibration Files
0.04=5w55459.D 0.1 =5w55460.D 0.2 =5w55461.D 0.5 =5w55463.D
5 =5w55464.D 10 =5w55466.D 20 =5w55467.D 40 =5w55468.D
50 =5w55469.D =

| Compound | 0.04 | 0.1 | 0.2 | 0.5 | 5 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.494 | 1.548 | 1.299 | 1.657 | 0.642 | 1.669 | 1.274 | | | 1.369 | 26.06 |
| 3) FREON 152A | 0.717 | 0.684 | 0.712 | 0.756 | 0.789 | 0.758 | 0.757 | 0.760 | 0.726 | 0.740 | 4.36 |
| 4) CHLORODIFLUOROMETHANE | 0.279 | 0.341 | 0.371 | 0.394 | 0.410 | 0.406 | 0.414 | 0.428 | 0.410 | 0.384 | 12.27 |
| 5) CHLOROTRIFLUOROETHENE | 1.677 | 1.542 | 1.642 | 1.717 | 1.772 | 1.742 | 1.780 | 1.866 | 1.846 | 1.732 | 5.86 |
| 6) DICHLORODIFLUOROMETHANE | 3.513 | 3.536 | 3.550 | 3.840 | 3.911 | 3.777 | 3.705 | 3.640 | 3.418 | 3.654 | 4.52 |
| 7) PROPYLENE | 1.224 | 1.033 | 0.862 | 0.907 | 0.898 | 0.861 | 0.861 | 0.849 | 0.788 | 0.920 | 14.31 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 4.008 | 3.852 | 3.920 | 4.118 | 4.140 | 3.754 | 3.537 | 3.345 | 3.006 | 3.742 | 10.16 |
| 9) FREON 114 | 4.598 | 4.822 | 4.882 | 5.183 | 5.093 | 4.507 | 4.151 | 3.758 | 3.349 | 4.483 | 13.82 |
| 10) CHLOROMETHANE | 0.398 | 0.543 | 0.544 | 0.546 | 0.525 | 0.463 | 0.435 | 0.413 | 0.375 | 0.471 | 14.66 |
| 11) VINYL CHLORIDE | 1.756 | 1.727 | 1.812 | 1.894 | 1.887 | 1.639 | 1.511 | 1.406 | 1.304 | 1.659 | 12.74 |
| 12) 1,3-BUTADIENE | 1.420 | 1.134 | 1.171 | 1.246 | 1.221 | 1.066 | 0.996 | 0.917 | 0.850 | 1.114 | 15.90 |
| 13) n-BUTANE | 2.733 | 2.476 | 2.579 | 2.336 | 1.998 | 1.834 | 1.628 | 1.508 | | 2.136 | 21.46 |
| 14) BROMOMETHANE | 2.365 | 1.858 | 1.978 | 1.857 | 1.631 | 1.518 | 1.426 | 1.356 | | 1.749 | 19.11 |
| 15) CHLOROETHANE | 0.846 | 0.831 | 0.838 | 0.890 | 0.827 | 0.725 | 0.666 | 0.613 | 0.589 | 0.758 | 14.78 |
| 16) DICHLOROFLUOROMETHANE | 4.518 | 4.122 | 4.054 | 4.299 | 4.145 | 3.576 | 3.289 | 2.965 | 2.768 | 3.748 | 16.61 |
| 17) ACETONITRILE | 1.389 | 1.492 | 1.554 | 1.399 | 1.170 | 1.073 | 0.927 | 0.867 | | 1.234 | 21.21 |
| 18) ACROLEIN | 0.585 | 0.528 | 0.670 | 0.602 | 0.545 | 0.504 | 0.450 | 0.426 | | 0.539 | 14.94 |
| 19) FREON 123 | 4.363 | 4.195 | 4.097 | 4.417 | 4.204 | 3.644 | 3.338 | 2.930 | 2.766 | 3.773 | 16.67 |
| 20) FREON 123A | 2.136 | 2.135 | 2.173 | 2.278 | 2.198 | 1.969 | 1.835 | 1.696 | 1.633 | 2.006 | 11.66 |
| 21) TRICHLOROFLUOROMETHANE | 3.235 | 3.373 | 3.388 | 3.743 | 3.622 | 3.391 | 3.312 | 3.257 | 3.072 | 3.377 | 5.98 |
| 22) ISOPROPYL ALCOHOL | 2.807 | 2.426 | 2.240 | 1.968 | 2.127 | 2.047 | 1.877 | 1.627 | | 2.140 | 16.83 |
| 23) ACETONE | | | | | | | | | | | |

```
                    1.396 0.887 0.807 0.650 0.580 0.520         0.807   39.66
24)  PENTANE
          1.158 1.086 1.066 1.120 1.125 1.072 1.032 0.998 0.910   1.063    7.07
25)  IODOMETHANE
          2.569 2.613 2.606 2.878 2.919 2.955 2.917 2.964 2.934   2.817    5.97
26)  1,1-DICHLOROETHYLENE
          1.034 1.061 1.042 1.082 1.083 1.068 1.039 1.024 0.989   1.047    2.89
27)  CARBON DISULFIDE
          2.768 2.870 2.975 3.284 3.340 3.192 3.075 2.978 2.772   3.028    6.96
28)  ETHANOL
                         1.196 0.821 0.784 0.718 0.613 0.573   0.784   28.45
29)  BROMOETHENE
          1.456 1.481 1.563 1.690 1.665 1.516 1.423 1.332 1.280   1.490    9.22
30)  ACRYLONITRILE
                    1.768 0.744 0.807 0.673 0.649 0.638 0.587   0.838   49.71
31)  METHYLENE CHLORIDE
          1.174 1.115 1.079 1.161 1.090 1.020 0.970 0.937 0.893   1.049    9.49
32)  3-CHLOROPROPENE
          0.391 0.474 0.489 0.498 0.523 0.522 0.504 0.487 0.466   0.484    8.20
33)  FREON 113
          1.537 1.700 1.617 1.831 1.786 1.770 1.764 1.822 1.837   1.740    5.96
34)  TRANS-1,2-DICHLOROETHYLENE
          1.036 1.154 1.076 1.153 1.132 1.135 1.105 1.097 1.066   1.106    3.71
35)  TERTIARY BUTYL ALCOHOL
          1.734 1.833 1.823 2.144 2.079 2.269 2.216 2.116 1.901   2.013    9.58
36)  METHYL TERTIARY BUTYL ETHER
          2.586 2.482 2.471 2.912 3.070 3.107 3.054 2.981 2.851   2.835    9.02
37)  TETRAHYDROFURAN
               0.268 0.296 0.444 0.502 0.510 0.502 0.487 0.463   0.434   22.27
38)  HEXANE
          1.296 1.250 1.316 1.611 1.742 1.704 1.755 1.771 1.658   1.567   13.80
39)  VINYL ACETATE
                    0.064 0.147 0.204 0.201 0.211 0.216 0.211   0.179   31.12
40)  1,1-DICHLOROETHANE
          1.980 2.003 2.035 2.251 2.203 2.132 2.047 1.983 1.866   2.056    5.86
41)  METHYL ETHYL KETONE
               0.226 0.307 0.423 0.518 0.520 0.506 0.495 0.474   0.434   25.32
42)  cis-1,2-DICHLOROETHYLENE
          1.119 1.164 1.035 1.175 1.187 1.196 1.162 1.161 1.131   1.148    4.27
43)  DIISOPROPYL ETHER
               0.332 0.374 0.456 0.524 0.521 0.536 0.550 0.515   0.476   17.14
44)  ETHYL ACETATE
               0.149 0.238 0.333 0.367 0.378 0.372 0.373 0.350   0.320   25.97
45)  METHYL ACRYLATE
                    1.287 1.700 2.080 2.073 2.110 2.111 1.972   1.905   16.20
46)  CHLOROFORM
          2.397 2.484 2.543 2.896 2.724 2.637 2.549 2.497 2.378   2.567    6.38
47)  2,4-DIMETHYLPENTANE
          1.387 1.405 1.543 1.739 1.926 1.905 1.896 1.877 1.746   1.714   12.63
48)  1,1,1-TRICHLOROETHANE
          2.370 2.514 2.437 2.783 2.709 2.671 2.666 2.690 2.619   2.607    5.25
49)  CARBON TETRACHLORIDE
          2.346 2.488 2.550 2.864 2.899 2.882 2.913 2.946 2.904   2.755    8.25
50)  1,2-DICHLOROETHANE
          1.373 1.525 1.645 1.819 1.787 1.772 1.745 1.722 1.641   1.670    8.61

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD----------------------
52)  BENZENE
          0.655 0.645 0.644 0.737 0.755 0.753 0.769 0.790 0.774   0.725    8.20
53)  CYCLOHEXANE
```

0.200 0.219 0.225 0.268 0.295 0.300 0.306 0.321 0.316 0.272 16.87

54) 2,3-DIMETHYLPENTANE
0.101 0.119 0.127 0.155 0.157 0.158 0.164 0.173 0.169 0.147 17.11

55) TRICHLOROETHYLENE
0.331 0.323 0.334 0.377 0.384 0.389 0.410 0.447 0.445 0.382 12.16

56) 1,2-DICHLOROPROPANE
0.286 0.277 0.285 0.308 0.316 0.310 0.323 0.339 0.325 0.308 6.82

57) DIBROMOMETHANE
0.426 0.344 0.344 0.324 0.336 0.350 0.376 0.422 0.444 0.374 12.09

58) ETHYL ACRYLATE
0.293 0.327 0.425 0.537 0.561 0.576 0.594 0.570 0.485 24.76

59) BROMODICHLOROMETHANE
0.528 0.553 0.564 0.687 0.693 0.702 0.732 0.780 0.764 0.667 14.17

60) 2,2,4-TRIMETHYLPENTANE
0.894 0.904 0.917 1.125 1.215 1.207 1.230 1.247 1.166 1.101 13.72

61) 1,4-DIOXANE
0.124 0.141 0.148 0.158 0.184 0.194 0.202 0.200 0.169 17.58

62) HEPTANE
0.329 0.307 0.322 0.389 0.422 0.415 0.425 0.439 0.412 0.384 13.26

63) METHYL METHACRYLATE
0.149 0.176 0.229 0.265 0.272 0.277 0.283 0.277 0.241 21.56

64) METHYL ISOBUTYL KETONE
0.119 0.139 0.183 0.226 0.232 0.241 0.254 0.245 0.205 25.18

65) cis-1,3-DICHLOROPROPENE
0.324 0.343 0.374 0.448 0.507 0.520 0.545 0.577 0.568 0.467 21.12

66) TOLUENE
0.383 0.404 0.414 0.463 0.537 0.553 0.573 0.618 0.617 0.507 18.24

67) 1,3-DICHLOROPROPANE
0.339 0.370 0.382 0.460 0.483 0.479 0.489 0.511 0.501 0.446 14.42

68) trans-1,3-DICHLOROPROPENE
0.254 0.279 0.336 0.398 0.473 0.498 0.523 0.557 0.553 0.430 27.23

69) 1,1,2-TRICHLOROETHANE
0.256 0.260 0.277 0.319 0.314 0.315 0.326 0.346 0.343 0.306 11.05

70) I CHLOROBENZENE-D5 ----------ISTD----------

71) 2-HEXANONE
0.233 0.325 0.443 0.585 0.591 0.574 0.531 0.493 0.472 27.90

72) ETHYL METHACRYLATE
0.415 0.468 0.656 0.845 0.850 0.822 0.760 0.710 0.691 24.40

73) TETRACHLOROETHYLENE
0.644 0.683 0.666 0.676 0.673 0.658 0.644 0.619 0.616 0.653 3.69

74) DIBROMOCHLOROMETHANE
0.715 0.842 0.873 1.176 1.250 1.246 1.218 1.142 1.097 1.062 18.77

75) 1,2-DIBROMOETHANE
0.681 0.799 0.823 0.977 0.995 0.980 0.942 0.883 0.846 0.881 11.86

76) OCTANE
0.700 0.733 0.747 0.900 1.071 1.044 0.998 0.900 0.813 0.878 15.80

77) 1,1,1,2-TETRACHLOROETHANE
0.577 0.692 0.702 0.776 0.792 0.785 0.781 0.758 0.737 0.733 9.39

78) CHLOROBENZENE
1.220 1.285 1.284 1.407 1.369 1.339 1.303 1.220 1.157 1.287 6.14

79) ETHYLBENZENE
1.583 1.594 1.630 1.933 2.151 2.119 2.023 1.847 1.714 1.844 12.18

80) m,p-XYLENE
0.513 0.551 0.573 0.732 0.835 0.816 0.797 0.756 0.725 0.700 17.44

81) o-XYLENE
0.477 0.543 0.547 0.725 0.824 0.797 0.781 0.731 0.687 0.679 18.53

82) STYRENE
0.623 0.702 0.741 0.933 1.219 1.207 1.173 1.109 1.059 0.974 23.89

83) NONANE

# Initial Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2125-ICC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55466.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
           0.750 0.718 0.774 1.007 1.144 1.086 1.032 0.914 0.824   0.917   17.15
 84)  BROMOFORM
                       0.501 1.084 1.201 1.242 1.235 1.186 1.157   1.087   24.28
 85)  4-BROMOFLUOROBENZENE
           1.210 1.226 1.219 1.227 1.210 1.137 1.043 0.916 0.885   1.119   12.30
 86)  1,1,2,2-TETRACHLOROETHANE
           1.262 1.289 1.357 1.499 1.521 1.487 1.426 1.287 1.157   1.365    9.23
 87)  1,2,3-TRICHLOROPROPANE
           0.891 0.980 1.032 1.124 1.106 1.051 0.976 0.885 0.824   0.986   10.48
 88)  ISOPROPYLBENZENE
           1.803 1.855 1.905 2.266 2.459 2.358 2.258 2.075 1.932   2.101   11.45
 89)  BROMOBENZENE
           1.162 1.130 1.156 1.312 1.323 1.252 1.198 1.112 1.036   1.187    7.99
 90)  2-CHLOROTOLUENE
           0.374 0.427 0.468 0.553 0.625 0.600 0.581 0.563 0.547   0.526   16.03
 91)  n-PROPYLBENZENE
           0.347 0.392 0.455 0.569 0.653 0.631 0.605 0.582 0.561   0.533   20.36
 92)  4-ETHYLTOLUENE
           1.385 1.501 1.571 2.076 2.427 2.340 2.236 2.043 1.874   1.939   19.59
 93)  1,3,5-TRIMETHYLBENZENE
           1.141 1.303 1.374 1.843 2.053 1.974 1.882 1.739 1.609   1.657   19.36
 94)  ALPHA-METHYLSTYRENE
                       0.571 0.796 1.022 1.013 0.992 0.955 0.914   0.895   18.17
 95)  tert-BUTYLBENZENE
                  0.245 0.266 0.355 0.422 0.416 0.413 0.398 0.379   0.362   19.16
 96)  1,2,4-TRIMETHYLBENZENE
           1.221 1.230 1.427 1.913 2.186 2.127 2.062 1.835 1.650   1.739   21.59
 97)  m-DICHLOROBENZENE
           1.119 1.133 1.269 1.487 1.561 1.547 1.506 1.397 1.304   1.369   12.50
 98)  BENZYL CHLORIDE
                       1.375 1.687 2.118 2.187 2.134 1.891 1.674   1.866   16.21
 99)  p-DICHLOROBENZENE
           0.984 1.133 1.192 1.448 1.482 1.425 1.355 1.278 1.208   1.278   12.91
100)  sec-BUTYLBENZENE
           0.306 0.333 0.367 0.477 0.526 0.503 0.479 0.455 0.439   0.432   18.07
101)  1,2,3-TRIMETHYLBENZENE
           1.240 1.378 1.471 1.907 2.189 2.108 2.035 1.865 1.703   1.766   19.16
102)  p-ISOPROPYLTOLUENE
           0.336 0.381 0.413 0.572 0.621 0.592 0.575 0.554 0.522   0.507   20.35
103)  o-DICHLOROBENZENE
           1.043 1.139 1.204 1.380 1.413 1.355 1.280 1.216 1.156   1.243    9.94
104)  n-BUTYLBENZENE
           0.263 0.320 0.367 0.470 0.582 0.570 0.560 0.545 0.524   0.467   25.69
105)  HEXACHLOROETHANE
           0.643 0.685 0.711 0.955 1.031 1.027 1.003 0.931 0.846   0.870   17.76
106)  HEXACHLOROBUTADIENE
           1.035 0.992 0.972 1.094 1.175 1.345 1.383 1.333 1.195   1.169   13.47
107)  1,2,4-TRICHLOROBENZENE
                       0.916 0.940 1.038 1.217 1.230 1.238 1.173   1.107   12.67
108)  NAPHTHALENE
                       1.915 2.112 2.486 2.887 2.742 2.445         2.431   15.12

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           0.900 0.896 1.032 0.778 0.783 0.702 0.682 0.663 0.609   0.783 E1   17.50
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M5w2125.M         Mon Dec 09 14:41:37 2024
```

# Initial Calibration Verification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55473.D Vial: 5
Acq On : 9 Dec 2024 1:55 pm Operator: benk
Sample : icv2125-10 Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.550 | -13.2 | 101 | 0.00 | 3.46 |
| 3 | FREON 152A | 0.740 | 0.662 | 10.5 | 95 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.376 | 2.1 | 100 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.640 | 5.3 | 102 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.452 | 5.5 | 99 | 0.00 | 3.65 |
| 7 | PROPYLENE | 0.920 | 0.715 | 22.3 | 90 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.499 | 6.5 | 101 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.285 | 4.4 | 103 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.409 | 13.2 | 96 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.513 | 8.8 | 100 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.994 | 10.8 | 101 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.839 | 13.9 | 100 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.560 | 10.8 | 104 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.680 | 10.3 | 102 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.432 | 8.4 | 104 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.102 | 10.7 | 102 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.535 | 0.7 | 106 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.394 | 10.0 | 101 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.773 | 11.6 | 98 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.288 | 2.6 | 105 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 1.917 | 10.4 | 98 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.603 | 25.3 | 101 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 0.903 | 15.1 | 91 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 2.883 | -2.3 | 106 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.010 | 3.5 | 102 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.051 | -0.8 | 104 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.618 | 21.2 | 85 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.474 | 1.1 | 105 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.581 | 30.7# | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 0.953 | 9.2 | 101 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.475 | 1.9 | 99 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.778 | -2.2 | 109 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.077 | 2.6 | 103 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.303 | -14.4 | 110 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 2.868 | -1.2 | 100 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.474 | -9.2 | 101 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.462 | 6.7 | 93 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.199 | -11.2 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 1.875 | 8.8 | 95 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.464 | -6.9 | 97 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.116 | 2.8 | 101 | 0.00 | 7.50 |

# Initial Calibration Verification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V5W2125-ICV2125
**Lab FileID:** 5W55473.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.459 | 3.6 | 95 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.334 | -4.4 | 96 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 1.852 | 2.8 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.506 | 2.4 | 103 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.678 | 2.1 | 95 | 0.00 | 8.67 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.588 | 0.7 | 105 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.815 | -2.2 | 106 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.609 | 3.7 | 98 | 0.00 | 8.61 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.689 | 5.0 | 99 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.278 | -2.2 | 101 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.145 | 1.4 | 99 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.366 | 4.2 | 102 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.279 | 9.4 | 98 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.353 | 5.6 | 109 | 0.00 | 10.34 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.507 | -4.5 | 98 | 0.00 | 10.42 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.656 | 1.6 | 101 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.060 | 3.7 | 95 | 0.00 | 10.69 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 105 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.358 | 6.8 | 93 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.246 | -2.1 | 98 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.207 | -1.0 | 97 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.452 | 3.2 | 94 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.517 | -2.0 | 101 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.442 | 0.9 | 100 | 0.00 | 13.01 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.457 | -6.3 | 99 | 0.00 | 12.41 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.292 | 4.6 | 100 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 104 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.552 | -16.9 | 97 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.833 | -20.5 | 102 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.683 | -4.6 | 108 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.276 | -20.2 | 107 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.966 | -9.6 | 103 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.935 | -6.5 | 93 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.802 | -9.4 | 106 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.323 | -2.8 | 103 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 2.064 | -11.9 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.808 | -15.4 | 103 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.778 | -14.6 | 102 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.179 | -21.0 | 102 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 0.971 | -5.9 | 93 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.261 | -16.0 | 106 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.167 | -4.3 | 107 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.407 | -3.1 | 99 | 0.00 | 16.91 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.011 | -2.5 | 100 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.353 | -12.0 | 104 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.216 | -2.4 | 101 | 0.00 | 17.91 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.618 | -17.5 | 107 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.636 | -19.3 | 105 | 0.00 | 18.64 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.292 | -18.2 | 102 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.939 | -17.0 | 102 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 1.017 | -13.6 | 105 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.426 | -17.7 | 107 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 2.096 | -20.5 | 103 | 0.00 | 19.63 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.565 | -14.3 | 105 | 0.00 | 19.82 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.201 | -18.0 | 105 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.435 | -12.3 | 105 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.513 | -18.8 | 106 | 0.00 | 20.02 |

# Initial Calibration Verification

**Job Number:** JE2491 **Sample:** V5W2125-ICV2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55473.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.098 | -18.8 | 104 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.615 | -21.3 | 108 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.380 | -11.0 | 106 | 0.00 | 20.41 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.577 | -23.6 | 105 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.978 | -12.4 | 99 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.383 | -18.3 | 107 | 0.00 | 23.37 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.294 | -16.9 | 111 | 0.00 | 23.22 |
| 108 | | NAPHTHALENE | 2.431 | 3.137 | -29.0 | 113 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 108 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 6.032 | 22.9 | 93 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 09 14:42:33 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w55664.D Vial: 1
Acq On : 16 Dec 2024 1:21 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.509 | -10.2 | 86 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.803 | -8.5 | 101 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.487 | -26.8 | 114 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.533 | 11.5 | 84 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.132 | -13.1 | 104 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.943 | -2.5 | 104 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.183 | -11.8 | 106 | 0.00 | 3.76 |
| 9 | FREON 114 | 4.483 | 4.708 | -5.0 | 99 | 0.00 | 3.85 |
| 10 | CHLOROMETHANE | 0.471 | 0.394 | 16.3 | 81 | 0.00 | 3.78 |
| 11 | VINYL CHLORIDE | 1.659 | 1.632 | 1.6 | 95 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.977 | 12.3 | 87 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.897 | 11.2 | 90 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.632 | 6.7 | 95 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.760 | -0.3 | 100 | 0.00 | 4.36 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 4.011 | -7.0 | 107 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.125 | 8.8 | 91 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.523 | 3.0 | 91 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.893 | -3.2 | 102 | 0.00 | 4.74 |
| 20 | FREON 123A | 2.006 | 1.871 | 6.7 | 90 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.700 | -9.6 | 104 | 0.00 | 4.95 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.237 | -4.5 | 100 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.624 | 22.7 | 91 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.144 | -7.6 | 101 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.120 | -10.8 | 100 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.134 | -8.3 | 101 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.575 | -18.1 | 106 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.675 | 13.9 | 82 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.431 | 4.0 | 90 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.660 | 21.2 | 93 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.099 | -4.8 | 102 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.581 | -20.0 | 106 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 1.994 | -14.6 | 107 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.210 | -9.4 | 101 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.500 | -24.2 | 105 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.591 | -26.7 | 110 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.578 | -33.2# | 108 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.727 | -10.2 | 96 | 0.00 | 7.71 |
| 39 | VINYL ACETATE | 0.179 | 0.218 | -21.8 | 103 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.342 | -13.9 | 104 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.581 | -33.9# | 106 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.257 | -9.5 | 100 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.546 | -14.7 | 100 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.411 | -28.4 | 103 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.129 | -11.8 | 98 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.995 | -16.7 | 108 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.995 | -16.4 | 100 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.019 | -15.8 | 107 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.105 | -12.7 | 102 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.143 | -28.3 | 115 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.799 | -10.2 | 104 | 0.00 | 9.40 |
| 53 | | CYCLOHEXANE | 0.272 | 0.319 | -17.3 | 105 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 107 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.407 | -6.5 | 103 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.324 | -5.2 | 103 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.439 | -17.4 | 124 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.574 | -18.4 | 101 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.785 | -17.7 | 110 | 0.00 | 10.61 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.197 | -8.7 | 98 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.187 | -10.7 | 100 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.434 | -13.0 | 103 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.302 | -25.3 | 109 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.241 | -17.6 | 102 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 108 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.558 | -10.1 | 99 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.515 | -15.5 | 106 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.547 | -27.2 | 108 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.334 | -9.2 | 105 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.526 | -11.4 | 101 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.812 | -17.5 | 108 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.653 | 0.0 | 113 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.013 | 4.6 | 92 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.800 | 9.2 | 93 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 0.951 | -8.3 | 103 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.628 | 14.3 | 91 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.071 | 16.8 | 91 | 0.00 | 15.41 |
| 79 | | ETHYLBENZENE | 1.844 | 1.878 | -1.8 | 101 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.656 | 6.3 | 91 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.636 | 6.3 | 91 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 0.975 | -0.1 | 92 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.005 | -9.6 | 105 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.349 | -24.1 | 123 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.107 | 1.1 | 110 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.338 | 2.0 | 102 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.982 | 0.4 | 106 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 1.922 | 8.5 | 92 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.167 | 1.7 | 106 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.464 | 11.8 | 88 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.485 | 9.0 | 87 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 1.920 | 1.0 | 93 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.590 | 4.0 | 91 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.780 | 12.8 | 87 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.310 | 14.4 | 85 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.707 | 1.8 | 91 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.263 | 7.7 | 93 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.884 | -1.0 | 98 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.172 | 8.3 | 93 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.385 | 10.9 | 87 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2132-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55664.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.714 | 2.9 | 92 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.444 | 12.4 | 85 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.127 | 9.3 | 94 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.429 | 8.1 | 85 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.882 | -1.4 | 97 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.826 | -56.2# | 154# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.256 | -13.5 | 117 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.128 | 12.5 | 84 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.503 | 4.2 | 102 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 16 17:23:33 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55700.D Vial: 1
Acq On : 17 Dec 2024 8:32 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.616 | -18.0 | 81 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.821 | -10.9 | 91 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.465 | -21.1 | 96 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.629 | 5.9 | 78 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.113 | -12.6 | 91 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.032 | -12.2 | 100 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.360 | -16.5 | 97 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.805 | -7.2 | 89 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.474 | -0.6 | 86 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.714 | -3.3 | 87 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.073 | 3.7 | 84 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.200 | -3.0 | 92 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.690 | 3.4 | 87 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.740 | 2.4 | 85 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.935 | -5.0 | 92 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.331 | -7.9 | 95 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.585 | -8.5 | 90 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 4.021 | -6.6 | 92 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.013 | -0.3 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.683 | -9.1 | 91 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.334 | -9.1 | 92 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.651 | 19.3 | 84 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.238 | -16.5 | 96 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.362 | -19.3 | 95 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.155 | -10.3 | 90 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.682 | -21.6 | 96 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.789 | -0.6 | 84 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.544 | -3.6 | 85 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.729 | 13.0 | 91 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.130 | -7.7 | 93 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.599 | -23.8 | 96 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.151 | -23.6 | 102 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.218 | -10.1 | 90 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.534 | -25.9 | 93 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.531 | -24.6 | 95 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.582 | -34.1# | 95 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.867 | -19.1 | 92 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.213 | -19.0 | 89 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.409 | -17.2 | 94 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.591 | -36.2# | 95 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.282 | -11.7 | 90 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.568 | -19.3 | 91 | 0.00 | 7.72 |
| 44 | | ETHYL ACETATE | 0.320 | 0.430 | -34.4# | 95 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.409 | -26.5 | 97 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.047 | -18.7 | 97 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.103 | -22.7 | 92 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.046 | -16.8 | 95 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.193 | -15.9 | 93 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.148 | -28.6 | 101 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 87 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.806 | -11.2 | 93 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.313 | -15.1 | 91 | 0.00 | 9.70 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.171 | -16.3 | 95 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.406 | -6.3 | 91 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.329 | -6.8 | 93 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.462 | -23.5 | 115 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.633 | -30.5# | 99 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.790 | -18.4 | 98 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.269 | -15.3 | 92 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.189 | -11.8 | 90 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.476 | -24.0 | 100 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.303 | -25.7 | 97 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.248 | -21.0 | 93 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.570 | -22.1 | 96 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.551 | -8.7 | 87 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.516 | -15.7 | 94 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.542 | -26.0 | 95 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.338 | -10.5 | 94 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 15.35 |
| 71 | | 2-HEXANONE | 0.472 | 0.575 | -21.8 | 92 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.859 | -24.3 | 96 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.715 | -9.5 | 103 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.099 | -3.5 | 84 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.901 | -2.3 | 87 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.107 | -26.1 | 101 | 0.00 | 14.32 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.698 | 4.8 | 84 | 0.00 | 15.39 |
| 78 | | CHLOROBENZENE | 1.287 | 1.199 | 6.8 | 85 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.000 | -8.5 | 89 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.722 | -3.1 | 84 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.712 | -4.9 | 85 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.083 | -11.2 | 85 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.169 | -27.5 | 102 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.501 | -38.1# | 115 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.131 | -1.1 | 94 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.454 | -6.5 | 93 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.059 | -7.4 | 95 | 0.00 | 17.10 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.126 | -1.2 | 85 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.257 | -5.9 | 95 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.529 | -0.6 | 84 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.549 | -3.0 | 82 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.116 | -9.1 | 86 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.768 | -6.7 | 85 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.874 | 2.3 | 82 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.355 | 1.9 | 81 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.921 | -10.5 | 86 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.467 | -7.2 | 90 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.070 | -10.9 | 90 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.361 | -6.5 | 91 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.431 | 0.2 | 81 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2133-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55700.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.920 | -8.7 | 86 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.506 | 0.2 | 81 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.301 | -4.7 | 91 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.491 | -5.1 | 82 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.996 | -14.5 | 92 | 0.00 | 21.32 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 1.903 | -62.8# | 134 | 0.00 | 23.36 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.545 | -39.6# | 120 | 0.00 | 23.21 |
| 108 | | NAPHTHALENE | 2.431 | 2.518 | -3.6 | 83 | 0.00 | 22.88 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 8.146 | -4.1 | 97 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Wed Dec 18 19:06:51 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55778.D Vial: 1
Acq On : 20 Dec 2024 1:06 pm Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.829 | -33.6# | 103 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.932 | -25.9 | 116 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.479 | -24.7 | 111 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.952 | -12.7 | 105 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 4.366 | -19.5 | 109 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 1.099 | -19.5 | 120 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 3.584 | 4.2 | 90 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.024 | 10.2 | 84 | 0.00 | 3.85 |
| 10 | CHLOROMETHANE | 0.471 | 0.387 | 17.8 | 79 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.396 | 15.9 | 80 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 0.866 | 22.3 | 76 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 1.749 | 18.1 | 82 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.427 | 18.4 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.620 | 18.2 | 80 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.212 | 14.3 | 84 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.053 | 14.7 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.472 | 12.4 | 81 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.371 | 10.7 | 87 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 1.770 | 11.8 | 85 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.737 | -10.7 | 104 | 0.00 | 4.95 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.377 | -11.1 | 105 | 0.00 | 5.03 |
| 23 | ACETONE | 0.807 | 0.548 | 32.1# | 79 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.235 | -16.2 | 108 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.398 | -20.6 | 108 | 0.00 | 5.42 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.167 | -11.5 | 103 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.654 | -20.7 | 108 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.638 | 18.6 | 77 | 0.00 | 4.46 |
| 29 | BROMOETHENE | 1.490 | 1.362 | 8.6 | 84 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.730 | 12.9 | 102 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.120 | -6.8 | 103 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.603 | -24.6 | 109 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.168 | -24.6 | 115 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.253 | -13.3 | 104 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.456 | -22.0 | 102 | 0.00 | 5.55 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.568 | -25.9 | 108 | 0.00 | 6.71 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.590 | -35.9# | 109 | 0.00 | 8.24 |
| 38 | HEXANE | 1.567 | 1.823 | -16.3 | 101 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.228 | -27.4 | 107 | 0.00 | 6.81 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.378 | -15.7 | 105 | 0.00 | 6.65 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.587 | -35.3# | 106 | 0.00 | 7.06 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.297 | -13.0 | 102 | 0.00 | 7.50 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.554 | -16.4 | 100 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.422 | -31.9# | 105 | 0.00 | 7.75 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.323 | -21.9 | 105 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 3.017 | -17.5 | 108 | 0.00 | 7.81 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 2.099 | -22.5 | 104 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 3.007 | -15.3 | 106 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 3.201 | -16.2 | 104 | 0.00 | 9.57 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 2.039 | -22.1 | 108 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.830 | -14.5 | 107 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.322 | -18.4 | 104 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.178 | -21.1 | 110 | 0.00 | 10.00 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.410 | -7.3 | 103 | 0.00 | 10.65 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.331 | -7.5 | 104 | 0.00 | 10.36 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.489 | -30.7# | 136 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.624 | -28.7 | 108 | 0.00 | 10.41 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.781 | -17.1 | 108 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.253 | -13.8 | 101 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.194 | -14.8 | 103 | 0.00 | 10.67 |
| 62 | | HEPTANE | 0.384 | 0.465 | -21.1 | 109 | 0.00 | 11.03 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.301 | -24.9 | 107 | 0.00 | 10.94 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.245 | -19.5 | 103 | 0.00 | 11.79 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.577 | -23.6 | 108 | 0.00 | 11.72 |
| 66 | | TOLUENE | 0.507 | 0.570 | -12.4 | 100 | 0.00 | 12.96 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.527 | -18.2 | 107 | 0.00 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.552 | -28.4 | 108 | 0.00 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.342 | -11.8 | 106 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 102 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.590 | -25.0 | 102 | 0.00 | 13.36 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.888 | -28.5 | 107 | 0.00 | 13.39 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.765 | -17.2 | 119 | 0.00 | 14.47 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.166 | -9.8 | 96 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.954 | -8.3 | 100 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.110 | -26.4 | 109 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.745 | -1.6 | 97 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.273 | 1.1 | 97 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 2.107 | -14.3 | 102 | 0.00 | 15.96 |
| 80 | | m,p-XYLENE | 0.700 | 0.767 | -9.6 | 96 | 0.00 | 16.23 |
| 81 | | o-XYLENE | 0.679 | 0.738 | -8.7 | 95 | 0.00 | 16.90 |
| 82 | | STYRENE | 0.974 | 1.159 | -19.0 | 98 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.158 | -26.3 | 109 | 0.00 | 17.31 |
| 84 | | BROMOFORM | 1.087 | 1.585 | -45.8# | 131 | 0.00 | 16.29 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.126 | -0.6 | 101 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.462 | -7.1 | 101 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 1.085 | -10.0 | 106 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.267 | -7.9 | 98 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.300 | -9.5 | 106 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.579 | -10.1 | 99 | 0.00 | 18.55 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.597 | -12.0 | 97 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.252 | -16.1 | 99 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.875 | -13.2 | 97 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.944 | -5.5 | 95 | 0.00 | 19.26 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.386 | -6.6 | 95 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.990 | -14.4 | 96 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.526 | -11.5 | 101 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 2.075 | -11.2 | 97 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.443 | -12.9 | 104 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.467 | -8.1 | 95 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2136-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55778.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 2.014 | -14.0 | 98 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.547 | -7.9 | 95 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.375 | -10.6 | 104 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.543 | -16.3 | 97 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 1.021 | -17.4 | 102 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.077 | -77.7# | 158# | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.741 | -57.3# | 146# | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.784 | -14.5 | 99 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 94 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.982 | -2.0 | 107 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Mon Dec 23 07:14:11 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...024\V5w2138\5w55819.D Vial: 1
Acq On : 23 Dec 2024 9:11 am Operator: thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Dec 09 14:21:09 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|
| 1 I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 2 | FREON 115 | 1.369 | 1.576 | -15.1 | 73 | 0.00 | 3.47 |
| 3 | FREON 152A | 0.740 | 0.755 | -2.0 | 77 | 0.00 | 3.55 |
| 4 | CHLORODIFLUOROMETHANE | 0.384 | 0.424 | -10.4 | 81 | 0.00 | 3.58 |
| 5 | CHLOROTRIFLUOROETHENE | 1.732 | 1.650 | 4.7 | 73 | 0.00 | 3.61 |
| 6 | DICHLORODIFLUOROMETHANE | 3.654 | 3.849 | -5.3 | 79 | 0.00 | 3.66 |
| 7 | PROPYLENE | 0.920 | 0.899 | 2.3 | 81 | 0.00 | 3.60 |
| 8 | 1-CHLORO-1,1-DIFLUOROETHA | 3.742 | 4.017 | -7.3 | 83 | 0.00 | 3.75 |
| 9 | FREON 114 | 4.483 | 4.880 | -8.9 | 84 | 0.00 | 3.84 |
| 10 | CHLOROMETHANE | 0.471 | 0.457 | 3.0 | 77 | 0.00 | 3.77 |
| 11 | VINYL CHLORIDE | 1.659 | 1.758 | -6.0 | 83 | 0.00 | 3.93 |
| 12 | 1,3-BUTADIENE | 1.114 | 1.101 | 1.2 | 80 | 0.00 | 4.03 |
| 13 | n-BUTANE | 2.136 | 2.183 | -2.2 | 85 | 0.00 | 4.07 |
| 14 | BROMOMETHANE | 1.749 | 1.720 | 1.7 | 82 | 0.00 | 4.23 |
| 15 | CHLOROETHANE | 0.758 | 0.767 | -1.2 | 82 | 0.00 | 4.35 |
| 16 | DICHLOROFLUOROMETHANE | 3.748 | 3.850 | -2.7 | 83 | 0.00 | 4.42 |
| 17 | ACETONITRILE | 1.234 | 1.281 | -3.8 | 85 | 0.00 | 4.62 |
| 18 | ACROLEIN | 0.539 | 0.573 | -6.3 | 82 | 0.00 | 4.71 |
| 19 | FREON 123 | 3.773 | 3.934 | -4.3 | 84 | 0.00 | 4.73 |
| 20 | FREON 123A | 2.006 | 2.004 | 0.1 | 79 | 0.00 | 4.78 |
| 21 | TRICHLOROFLUOROMETHANE | 3.377 | 3.559 | -5.4 | 81 | 0.00 | 4.94 |
| 22 | ISOPROPYL ALCOHOL | 2.140 | 2.115 | 1.2 | 77 | -0.01 | 5.02 |
| 23 | ACETONE | 0.807 | 0.643 | 20.3 | 77 | 0.00 | 4.82 |
| 24 | PENTANE | 1.063 | 1.069 | -0.6 | 77 | 0.00 | 5.23 |
| 25 | IODOMETHANE | 2.817 | 3.248 | -15.3 | 85 | 0.00 | 5.41 |
| 26 | 1,1-DICHLOROETHYLENE | 1.047 | 1.054 | -0.7 | 77 | 0.00 | 5.48 |
| 27 | CARBON DISULFIDE | 3.028 | 3.246 | -7.2 | 79 | 0.00 | 5.85 |
| 28 | ETHANOL | 0.784 | 0.816 | -4.1 | 81 | 0.00 | 4.45 |
| 29 | BROMOETHENE | 1.490 | 1.553 | -4.2 | 79 | 0.00 | 4.62 |
| 30 | ACRYLONITRILE | 0.838 | 0.640 | 23.6 | 74 | 0.00 | 5.20 |
| 31 | METHYLENE CHLORIDE | 1.049 | 1.011 | 3.6 | 77 | 0.00 | 5.59 |
| 32 | 3-CHLOROPROPENE | 0.484 | 0.533 | -10.1 | 79 | 0.00 | 5.69 |
| 33 | FREON 113 | 1.740 | 2.113 | -21.4 | 93 | 0.00 | 5.82 |
| 34 | TRANS-1,2-DICHLOROETHYLEN | 1.106 | 1.113 | -0.6 | 76 | 0.00 | 6.45 |
| 35 | TERTIARY BUTYL ALCOHOL | 2.013 | 2.233 | -10.9 | 76 | 0.00 | 5.54 |
| 36 | METHYL TERTIARY BUTYL ETH | 2.835 | 3.237 | -14.2 | 81 | -0.01 | 6.70 |
| 37 | TETRAHYDROFURAN | 0.434 | 0.537 | -23.7 | 82 | -0.01 | 8.23 |
| 38 | HEXANE | 1.567 | 1.618 | -3.3 | 74 | 0.00 | 7.70 |
| 39 | VINYL ACETATE | 0.179 | 0.207 | -15.6 | 80 | 0.00 | 6.80 |
| 40 | 1,1-DICHLOROETHANE | 2.056 | 2.126 | -3.4 | 77 | 0.00 | 6.64 |
| 41 | METHYL ETHYL KETONE | 0.434 | 0.541 | -24.7 | 81 | 0.00 | 7.05 |
| 42 | cis-1,2-DICHLOROETHYLENE | 1.148 | 1.169 | -1.8 | 76 | 0.00 | 7.49 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | | DIISOPROPYL ETHER | 0.476 | 0.509 | -6.9 | 76 | 0.00 | 7.71 |
| 44 | | ETHYL ACETATE | 0.320 | 0.366 | -14.4 | 75 | 0.00 | 7.74 |
| 45 | | METHYL ACRYLATE | 1.905 | 2.072 | -8.8 | 78 | 0.00 | 7.73 |
| 46 | | CHLOROFORM | 2.567 | 2.723 | -6.1 | 80 | 0.00 | 7.80 |
| 47 | | 2,4-DIMETHYLPENTANE | 1.714 | 1.853 | -8.1 | 75 | 0.00 | 8.66 |
| 48 | | 1,1,1-TRICHLOROETHANE | 2.607 | 2.720 | -4.3 | 79 | 0.00 | 8.87 |
| 49 | | CARBON TETRACHLORIDE | 2.755 | 2.922 | -6.1 | 79 | 0.00 | 9.56 |
| 50 | | 1,2-DICHLOROETHANE | 1.670 | 1.865 | -11.7 | 82 | 0.00 | 8.60 |
| 51 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 81 | 0.00 | 9.83 |
| 52 | | BENZENE | 0.725 | 0.750 | -3.4 | 80 | 0.00 | 9.39 |
| 53 | | CYCLOHEXANE | 0.272 | 0.299 | -9.9 | 80 | 0.00 | 9.69 |
| 54 | | 2,3-DIMETHYLPENTANE | 0.147 | 0.161 | -9.5 | 82 | 0.00 | 9.99 |
| 55 | | TRICHLOROETHYLENE | 0.382 | 0.378 | 1.0 | 78 | -0.01 | 10.64 |
| 56 | | 1,2-DICHLOROPROPANE | 0.308 | 0.300 | 2.6 | 78 | 0.00 | 10.35 |
| 57 | | DIBROMOMETHANE | 0.374 | 0.481 | -28.6 | 111 | 0.00 | 10.33 |
| 58 | | ETHYL ACRYLATE | 0.485 | 0.554 | -14.2 | 80 | -0.01 | 10.40 |
| 59 | | BROMODICHLOROMETHANE | 0.667 | 0.711 | -6.6 | 82 | 0.00 | 10.60 |
| 60 | | 2,2,4-TRIMETHYLPENTANE | 1.101 | 1.115 | -1.3 | 74 | 0.00 | 10.68 |
| 61 | | 1,4-DIOXANE | 0.169 | 0.178 | -5.3 | 78 | -0.01 | 10.66 |
| 62 | | HEPTANE | 0.384 | 0.419 | -9.1 | 81 | 0.00 | 11.02 |
| 63 | | METHYL METHACRYLATE | 0.241 | 0.280 | -16.2 | 83 | 0.00 | 10.93 |
| 64 | | METHYL ISOBUTYL KETONE | 0.205 | 0.226 | -10.2 | 79 | -0.01 | 11.78 |
| 65 | | cis-1,3-DICHLOROPROPENE | 0.467 | 0.529 | -13.3 | 82 | 0.00 | 11.73 |
| 66 | | TOLUENE | 0.507 | 0.535 | -5.5 | 78 | 0.00 | 12.95 |
| 67 | | 1,3-DICHLOROPROPANE | 0.446 | 0.477 | -7.0 | 80 | -0.01 | 13.00 |
| 68 | | trans-1,3-DICHLOROPROPENE | 0.430 | 0.501 | -16.5 | 81 | -0.01 | 12.40 |
| 69 | | 1,1,2-TRICHLOROETHANE | 0.306 | 0.311 | -1.6 | 80 | 0.00 | 12.61 |
| 70 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 | 15.34 |
| 71 | | 2-HEXANONE | 0.472 | 0.549 | -16.3 | 78 | -0.01 | 13.35 |
| 72 | | ETHYL METHACRYLATE | 0.691 | 0.834 | -20.7 | 83 | 0.00 | 13.38 |
| 73 | | TETRACHLOROETHYLENE | 0.653 | 0.781 | -19.6 | 100 | 0.00 | 14.46 |
| 74 | | DIBROMOCHLOROMETHANE | 1.062 | 1.117 | -5.2 | 76 | 0.00 | 13.51 |
| 75 | | 1,2-DIBROMOETHANE | 0.881 | 0.882 | -0.1 | 76 | 0.00 | 13.82 |
| 76 | | OCTANE | 0.878 | 1.021 | -16.3 | 82 | 0.00 | 14.33 |
| 77 | | 1,1,1,2-TETRACHLOROETHANE | 0.733 | 0.695 | 5.2 | 75 | 0.00 | 15.38 |
| 78 | | CHLOROBENZENE | 1.287 | 1.192 | 7.4 | 75 | 0.00 | 15.40 |
| 79 | | ETHYLBENZENE | 1.844 | 1.956 | -6.1 | 78 | 0.00 | 15.95 |
| 80 | | m,p-XYLENE | 0.700 | 0.737 | -5.3 | 76 | -0.02 | 16.21 |
| 81 | | o-XYLENE | 0.679 | 0.710 | -4.6 | 75 | 0.00 | 16.89 |
| 82 | | STYRENE | 0.974 | 1.094 | -12.3 | 76 | 0.00 | 16.75 |
| 83 | | NONANE | 0.917 | 1.065 | -16.1 | 83 | 0.00 | 17.30 |
| 84 | | BROMOFORM | 1.087 | 1.581 | -45.4# | 107 | 0.00 | 16.28 |
| 85 | S | 4-BROMOFLUOROBENZENE | 1.119 | 1.122 | -0.3 | 83 | 0.00 | 17.59 |
| 86 | | 1,1,2,2-TETRACHLOROETHANE | 1.365 | 1.359 | 0.4 | 77 | 0.00 | 16.90 |
| 87 | | 1,2,3-TRICHLOROPROPANE | 0.986 | 0.985 | 0.1 | 79 | 0.00 | 17.09 |
| 88 | | ISOPROPYLBENZENE | 2.101 | 2.132 | -1.5 | 76 | 0.00 | 17.81 |
| 89 | | BROMOBENZENE | 1.187 | 1.198 | -0.9 | 81 | 0.00 | 17.90 |
| 90 | | 2-CHLOROTOLUENE | 0.526 | 0.533 | -1.3 | 75 | 0.00 | 18.54 |
| 91 | | n-PROPYLBENZENE | 0.533 | 0.564 | -5.8 | 75 | 0.00 | 18.63 |
| 92 | | 4-ETHYLTOLUENE | 1.939 | 2.118 | -9.2 | 76 | 0.00 | 18.88 |
| 93 | | 1,3,5-TRIMETHYLBENZENE | 1.657 | 1.783 | -7.6 | 76 | 0.00 | 19.01 |
| 94 | | ALPHA-METHYLSTYRENE | 0.895 | 0.906 | -1.2 | 75 | 0.00 | 19.25 |
| 95 | | tert-BUTYLBENZENE | 0.362 | 0.384 | -6.1 | 78 | 0.00 | 19.61 |
| 96 | | 1,2,4-TRIMETHYLBENZENE | 1.739 | 1.930 | -11.0 | 77 | 0.00 | 19.62 |
| 97 | | m-DICHLOROBENZENE | 1.369 | 1.513 | -10.5 | 83 | 0.00 | 19.81 |
| 98 | | BENZYL CHLORIDE | 1.866 | 1.983 | -6.3 | 76 | 0.00 | 19.81 |
| 99 | | p-DICHLOROBENZENE | 1.278 | 1.411 | -10.4 | 84 | 0.00 | 19.92 |
| 100 | | sec-BUTYLBENZENE | 0.432 | 0.464 | -7.4 | 78 | 0.00 | 20.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V5W2138-CC2125
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 5W55819.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | | 1,2,3-TRIMETHYLBENZENE | 1.766 | 1.932 | -9.4 | 77 | 0.00 | 20.23 |
| 102 | | p-ISOPROPYLTOLUENE | 0.507 | 0.543 | -7.1 | 77 | 0.00 | 20.26 |
| 103 | | o-DICHLOROBENZENE | 1.243 | 1.346 | -8.3 | 84 | 0.00 | 20.40 |
| 104 | | n-BUTYLBENZENE | 0.467 | 0.532 | -13.9 | 79 | 0.00 | 20.85 |
| 105 | | HEXACHLOROETHANE | 0.870 | 0.986 | -13.3 | 81 | 0.00 | 21.31 |
| 106 | | HEXACHLOROBUTADIENE | 1.169 | 2.195 | -87.8# | 138 | -0.12 | 23.25 |
| 107 | | 1,2,4-TRICHLOROBENZENE | 1.107 | 1.801 | -62.7# | 125 | -0.10 | 23.12 |
| 108 | | NAPHTHALENE | 2.431 | 2.697 | -10.9 | 79 | -0.09 | 22.80 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 78 | 0.00 | 7.67 |
| 110 | | TVHC as equiv Pentane | 7.828 | 7.142 | 8.8 | 79 | 0.00 | 5.23 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w55466.D M5w2125.M Tue Dec 24 04:43:55 2024

# Initial Calibration Summary



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICC305
**Lab FileID:** 7W07980.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

Calibration Files
0.04=7w07975.D 0.10=7w07976.D 0.20=7w07977.D 0.5 =7w07978.D
5.0 =7w07979.D 10 =7w07980.D 20 =7w07981.D 40 =7w07982.D
50 =7w07983.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | 1.410 | 1.323 | 1.332 | 1.370 | 0.628 | 1.427 | 1.321 | 1.450 | | 1.282 | 20.97 |
| 3) FREON 152A | 0.766 | 0.691 | 0.666 | 0.702 | 0.665 | 0.692 | 0.673 | 0.681 | 0.695 | 0.692 | 4.39 |
| 4) CHLORODIFLUOROMETHANE | 0.341 | 0.319 | 0.348 | 0.350 | 0.313 | 0.337 | 0.326 | 0.329 | 0.340 | 0.334 | 3.87 |
| 5) CHLOROTRIFLUOROETHENE | 1.776 | 1.676 | 1.535 | 1.621 | 1.510 | 1.603 | 1.570 | 1.636 | 1.676 | 1.623 | 5.00 |
| 6) DICHLORODIFLUOROMETHANE | 3.889 | 3.781 | 3.954 | 3.963 | 3.920 | 4.135 | 4.066 | 4.167 | 4.214 | 4.010 | 3.59 |
| 7) PROPYLENE | 1.094 | 1.136 | 0.965 | 0.913 | 0.864 | 0.902 | 0.889 | 0.913 | 0.948 | 0.958 | 9.85 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 3.272 | 3.202 | 3.328 | 3.433 | 3.252 | 3.450 | 3.399 | 3.437 | 3.443 | 3.357 | 2.85 |
| 9) FREON 114 | 3.127 | 3.393 | 3.214 | 3.441 | 3.334 | 3.519 | 3.484 | 3.579 | 3.609 | 3.411 | 4.77 |
| 10) CHLOROMETHANE | 0.752 | 0.540 | 0.501 | 0.489 | 0.467 | 0.488 | 0.475 | 0.483 | 0.479 | 0.519 | 17.25 |
| 11) VINYL CHLORIDE | 1.748 | 1.508 | 1.584 | 1.620 | 1.573 | 1.612 | 1.570 | 1.583 | 1.572 | 1.597 | 4.07 |
| 12) 1,3-BUTADIENE | 1.426 | 1.317 | 1.348 | 1.274 | 1.229 | 1.296 | 1.252 | 1.268 | 1.275 | 1.298 | 4.56 |
| 13) N-BUTANE | 2.469 | 2.388 | 2.309 | 2.447 | 2.292 | 2.405 | 2.323 | 2.351 | 2.355 | 2.371 | 2.58 |
| 14) BROMOMETHANE | 1.376 | 1.314 | 1.295 | 1.306 | 1.211 | 1.264 | 1.230 | 1.248 | 1.248 | 1.277 | 3.98 |
| 15) CHLOROETHANE | 0.821 | 0.738 | 0.826 | 0.853 | 0.820 | 0.839 | 0.821 | 0.826 | 0.817 | 0.818 | 3.91 |
| 16) DICHLOROFLUOROMETHANE | 2.969 | 2.937 | 3.144 | 3.211 | 3.077 | 3.224 | 3.132 | 3.217 | 3.219 | 3.126 | 3.52 |
| 17) ACETONITRILE | 1.809 | 1.911 | 1.622 | 1.405 | 1.433 | 1.401 | 1.424 | 1.414 | | 1.552 | 13.19 |
| 18) ACROLEIN | 0.969 | 0.801 | 0.726 | 0.727 | 0.762 | 0.739 | 0.754 | 0.758 | | 0.779 | 10.32 |
| 19) FREON 123 | 3.302 | 2.915 | 3.162 | 3.138 | 3.083 | 3.234 | 3.174 | 3.273 | 3.305 | 3.176 | 3.92 |
| 20) FREON 123A | 1.695 | 1.757 | 1.752 | 1.832 | 1.796 | 1.886 | 1.860 | 1.906 | 1.913 | 1.822 | 4.21 |
| 21) TRICHLOROFLUOROMETHANE | 3.507 | 3.486 | 3.424 | 3.639 | 3.527 | 3.726 | 3.643 | 3.717 | 3.694 | 3.596 | 3.10 |
| 22) ISOPROPYL ALCOHOL | 4.381 | 3.891 | 3.555 | 3.314 | 2.991 | 3.250 | 3.022 | 3.012 | 3.067 | 3.387 | 14.11 |
| 23) ACETONE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2491 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1.285 | 0.991 | 0.851 | 0.841 | 0.818 | 0.841 | 0.836 | 0.923 | 18.38 |
| 24) | PENTANE | | | | | | | | | | |
| | | 2.149 | 1.846 | 1.699 | 1.714 | 1.614 | 1.648 | 1.601 | 1.606 | 1.607 | 1.720 | 10.40 |
| 25) | IODOMETHANE | | | | | | | | | | |
| | | 2.782 | 2.914 | 3.026 | 3.144 | 3.102 | 3.247 | 3.191 | 3.256 | 3.255 | 3.102 | 5.37 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | |
| | | 1.339 | 1.349 | 1.334 | 1.339 | 1.302 | 1.359 | 1.329 | 1.342 | 1.349 | 1.338 | 1.21 |
| 27) | CARBON DISULFIDE | | | | | | | | | | |
| | | 3.488 | 3.732 | 3.787 | 3.791 | 3.810 | 4.022 | 4.015 | 4.214 | 4.238 | 3.900 | 6.23 |
| 28) | ETHANOL | | | | | | | | | | |
| | | | 1.215 | 1.135 | 0.882 | 0.863 | 0.799 | 0.782 | 0.802 | 0.925 | 18.97 |
| 29) | BROMOETHENE | | | | | | | | | | |
| | | 1.229 | 1.137 | 1.176 | 1.238 | 1.187 | 1.262 | 1.245 | 1.256 | 1.261 | 1.221 | 3.63 |
| 30) | ACRYLONITRILE | | | | | | | | | | |
| | | 1.663 | 1.236 | 1.359 | 1.289 | 1.182 | 1.167 | 1.129 | 1.137 | 1.136 | 1.255 | 13.68 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | |
| | | | 1.830 | 1.573 | 1.404 | 1.212 | 1.269 | 1.236 | 1.243 | 1.250 | 1.377 | 15.94 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | |
| | | 0.791 | 0.697 | 0.733 | 0.656 | 0.661 | 0.700 | 0.684 | 0.705 | 0.714 | 0.705 | 5.74 |
| 33) | FREON 113 | | | | | | | | | | |
| | | 1.953 | 2.006 | 2.100 | 2.122 | 2.068 | 2.169 | 2.152 | 2.189 | 2.196 | 2.106 | 3.98 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.439 | 1.274 | 1.263 | 1.355 | 1.236 | 1.309 | 1.280 | 1.290 | 1.299 | 1.305 | 4.60 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | |
| | | 3.331 | 3.384 | 3.189 | 3.305 | 2.885 | 3.383 | 3.211 | 3.229 | 3.343 | 3.251 | 4.78 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | |
| | | 3.163 | 3.190 | 3.191 | 3.189 | 3.103 | 3.315 | 3.318 | 3.482 | 3.557 | 3.279 | 4.70 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | |
| | | 0.452 | 0.624 | 0.640 | 0.618 | 0.634 | 0.666 | 0.655 | 0.666 | 0.667 | 0.625 | 10.78 |
| 38) | HEXANE | | | | | | | | | | |
| | | 3.362 | 2.615 | 2.581 | 2.590 | 2.513 | 2.671 | 2.671 | 2.777 | 2.784 | 2.729 | 9.28 |
| 39) | VINYL ACETATE | | | | | | | | | | |
| | | | 0.272 | 0.260 | 0.243 | 0.276 | 0.304 | 0.324 | 0.351 | 0.358 | 0.298 | 14.25 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | |
| | | 2.584 | 2.330 | 2.424 | 2.438 | 2.346 | 2.451 | 2.406 | 2.454 | 2.453 | 2.432 | 3.01 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | |
| | | 0.587 | 0.696 | 0.659 | 0.674 | 0.645 | 0.676 | 0.667 | 0.688 | 0.695 | 0.665 | 5.07 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | |
| | | 1.410 | 1.399 | 1.355 | 1.426 | 1.322 | 1.389 | 1.356 | 1.395 | 1.404 | 1.384 | 2.37 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | |
| | | 0.558 | 0.733 | 0.632 | 0.706 | 0.701 | 0.744 | 0.754 | 0.779 | 0.785 | 0.710 | 10.38 |
| 44) | ETHYL ACETATE | | | | | | | | | | |
| | | 0.474 | 0.551 | 0.516 | 0.477 | 0.496 | 0.531 | 0.531 | 0.558 | 0.560 | 0.522 | 6.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | |
| | | 2.541 | 2.807 | 2.755 | 2.859 | 2.914 | 3.135 | 3.174 | 3.354 | 3.367 | 2.989 | 9.48 |
| 46) | CHLOROFORM | | | | | | | | | | |
| | | 2.646 | 2.807 | 2.779 | 2.816 | 2.689 | 2.876 | 2.826 | 2.888 | 2.865 | 2.799 | 2.96 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | |
| | | 2.729 | 3.054 | 2.793 | 2.988 | 2.813 | 2.955 | 2.896 | 3.028 | 3.020 | 2.920 | 4.02 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | |
| | | 2.474 | 2.500 | 2.353 | 2.453 | 2.343 | 2.561 | 2.618 | 2.798 | 2.832 | 2.548 | 6.87 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | |
| | | 2.051 | 2.325 | 2.277 | 2.344 | 2.366 | 2.602 | 2.682 | 2.902 | 2.961 | 2.501 | 12.18 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | |
| | | 1.957 | 2.162 | 2.154 | 2.195 | 2.048 | 2.139 | 2.092 | 2.177 | 2.182 | 2.123 | 3.66 |
| 51) | BENZENE | | | | | | | | | | |
| | | 4.645 | 4.341 | 4.061 | 4.092 | 3.835 | 3.998 | 3.955 | 4.074 | 4.073 | 4.119 | 5.80 |
| 52) | I 1,4-DIFLUOROBENZENE | ----------ISTD---------- | | | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.369 | 0.346 | 0.343 | 0.352 | 0.340 | 0.351 | 0.349 | 0.367 | 0.363 | 0.353 | 2.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.170 | 0.164 | 0.179 | 0.182 | 0.179 | 0.185 | 0.183 | 0.193 | 0.193 | 0.181 | 5.20 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.398 | 0.396 | 0.357 | 0.373 | 0.365 | 0.380 | 0.376 | 0.401 | 0.401 | 0.383 | 4.32 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.333 | 0.350 | 0.324 | 0.336 | 0.327 | 0.347 | 0.336 | 0.359 | 0.356 | 0.341 | 3.70 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.338 | 0.344 | 0.317 | 0.319 | 0.303 | 0.314 | 0.308 | 0.326 | 0.325 | 0.321 | 4.17 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.690 | 0.695 | 0.682 | 0.662 | 0.696 | 0.748 | 0.759 | 0.821 | 0.830 | 0.731 | 8.42 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.513 | 0.538 | 0.542 | 0.547 | 0.578 | 0.618 | 0.621 | 0.666 | 0.668 | 0.588 | 9.80 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.621 | 1.605 | 1.636 | 1.614 | 1.577 | 1.612 | 1.580 | 1.672 | 1.650 | 1.619 | 1.91 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | | 0.177 | 0.255 | 0.238 | 0.213 | 0.206 | 0.190 | 0.198 | 0.201 | 0.210 | 12.16 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.586 | 0.559 | 0.576 | 0.557 | 0.538 | 0.559 | 0.559 | 0.593 | 0.587 | 0.568 | 3.21 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.303 | 0.292 | 0.300 | 0.280 | 0.291 | 0.307 | 0.310 | 0.335 | 0.335 | 0.306 | 6.10 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.397 | 0.363 | 0.379 | 0.349 | 0.335 | 0.331 | 0.323 | 0.339 | 0.333 | 0.350 | 7.08 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.352 | 0.383 | 0.374 | 0.375 | 0.419 | 0.463 | 0.487 | 0.537 | 0.541 | 0.437 | 16.64 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 1.112 | 1.040 | 1.039 | 1.032 | 1.007 | 1.061 | 1.057 | 1.119 | 1.108 | 1.064 | 3.76 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.501 | 0.487 | 0.509 | 0.512 | 0.507 | 0.534 | 0.536 | 0.565 | 0.553 | 0.523 | 4.98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | | 0.267 | 0.259 | 0.266 | 0.319 | 0.371 | 0.416 | 0.478 | 0.488 | 0.358 | 26.45 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.267 | 0.292 | 0.278 | 0.288 | 0.284 | 0.297 | 0.295 | 0.310 | 0.309 | 0.291 | 4.78 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.598 | 0.620 | 0.572 | 0.553 | 0.517 | 0.491 | 0.484 | 0.491 | 0.478 | 0.534 | 10.04 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.458 | 0.451 | 0.463 | 0.448 | 0.491 | 0.524 | 0.545 | 0.590 | 0.584 | 0.506 | 11.22 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.463 | 0.385 | 0.390 | 0.357 | 0.348 | 0.360 | 0.359 | 0.381 | 0.379 | 0.380 | 8.99 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.434 | 0.488 | 0.472 | 0.491 | 0.549 | 0.599 | 0.623 | 0.678 | 0.681 | 0.557 | 16.50 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.497 | 0.457 | 0.478 | 0.477 | 0.496 | 0.533 | 0.534 | 0.571 | 0.568 | 0.512 | 8.00 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 1.122 | 0.866 | 0.835 | 0.792 | 0.775 | 0.810 | 0.806 | 0.852 | 0.836 | 0.855 | 12.18 |
| 76) | I CHLOROBENZENE-D5 | ---------- | ISTD | ---------- | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.389 | 0.401 | 0.377 | 0.364 | 0.403 | 0.443 | 0.463 | 0.507 | 0.513 | 0.429 | 12.93 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.901 | 0.981 | 0.941 | 0.950 | 0.939 | 0.968 | 0.976 | 1.030 | 1.026 | 0.968 | 4.31 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.712 | 1.561 | 1.546 | 1.530 | 1.507 | 1.550 | 1.567 | 1.652 | 1.657 | 1.587 | 4.37 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 1.338 | 1.226 | 1.195 | 1.209 | 1.202 | 1.246 | 1.249 | 1.310 | 1.306 | 1.253 | 4.19 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 1.276 | 1.232 | 1.206 | 1.207 | 1.201 | 1.249 | 1.268 | 1.341 | 1.345 | 1.258 | 4.37 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.842 | 0.861 | 0.852 | 0.862 | 0.892 | 0.925 | 0.944 | 1.006 | 1.010 | 0.910 | 7.13 |
| 83) | NONANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2491 **Sample:** V7W305-ICC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07980.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

```
          1.082 0.990 0.955 0.963 0.951 0.978 0.982 1.028 1.027   0.995    4.31
 84)  BROMOFORM
          0.425 0.415 0.442 0.482 0.523 0.583 0.621 0.695 0.711   0.544   20.92
 85)  1,1,2,2-TETRACHLOROETHANE
          0.778 0.815 0.869 0.849 0.875 0.907 0.921 0.977 0.985   0.886    7.79
 86)  1,2,3-TRICHLOROPROPANE
          0.685 0.697 0.666 0.705 0.700 0.726 0.728 0.768 0.768   0.716    4.93
 87)  4-BROMOFLUOROBENZENE
          0.725 0.720 0.722 0.724 0.737 0.726 0.745 0.745 0.758   0.734    1.81
 88)  ISOPROPYLBENZENE
          0.411 0.493 0.466 0.453 0.468 0.480 0.487 0.515 0.516   0.477    6.80
 89)  BROMOBENZENE
          0.739 0.893 0.894 0.905 0.878 0.912 0.925 0.985 0.984   0.902    7.98
 90)  2-CHLOROTOLUENE
          0.411 0.406 0.399 0.432 0.431 0.446 0.450 0.478 0.479   0.437    6.67
 91)  N-PROPYLBENZENE
          0.420 0.460 0.461 0.477 0.489 0.505 0.512 0.544 0.549   0.491    8.48
 92)  4-ETHYLTOLUENE
          1.605 1.507 1.638 1.654 1.718 1.792 1.807 1.951 1.968   1.738    8.97
 93)  1,3,5-TRIMETHYLBENZENE
          1.321 1.341 1.355 1.380 1.438 1.492 1.519 1.648 1.664   1.462    8.81
 94)  ALPHA-METHYLSTYRENE
          0.684 0.651 0.706 0.727 0.765 0.805 0.827 0.907 0.920   0.777   12.28
 95)  TERT-BUTYLBENZENE
          0.325 0.320 0.317 0.334 0.338 0.351 0.363 0.397 0.403   0.350    9.11
 96)  1,2,4-TRIMETHYLBENZENE
          1.309 1.344 1.377 1.420 1.491 1.568 1.628 1.790 1.825   1.528   12.38
 97)  BENZYL CHLORIDE
          0.339 0.328 0.327 0.342 0.423 0.567 0.787               0.445   39.13
 98)  M-DICHLOROBENZENE
          0.865 0.926 0.941 0.964 0.999 1.049 1.082 1.162 1.188   1.020   10.73
 99)  P-DICHLOROBENZENE
          0.935 0.941 0.943 0.947 0.973 1.011 1.042 1.142 1.168   1.011    8.83
100)  O-DICHLOROBENZENE
          0.885 0.878 0.917 0.917 0.938 0.976 1.019 1.112 1.147   0.976    9.98
101)  SEC-BUTYLBENZENE
          0.375 0.424 0.390 0.419 0.427 0.453 0.465 0.499 0.510   0.440   10.38
102)  1,2,3-TRIMETHYLBENZENE
          1.426 1.398 1.451 1.436 1.488 1.555 1.617 1.761 1.790   1.547    9.47
103)  P-ISOPROPYLTOLUENE
          0.419 0.458 0.471 0.447 0.476 0.504 0.516 0.557 0.573   0.491   10.37
104)  N-BUTYLBENZENE
          0.395 0.404 0.443 0.446 0.481 0.509 0.526 0.584 0.600   0.488   15.07
105)  HEXACHLOROETHANE
                0.301 0.304 0.322 0.413 0.491 0.566 0.677 0.711   0.473   35.00
106)  HEXACHLOROBUTADIENE
          0.668 0.628 0.625 0.639 0.680 0.717 0.777 0.906 0.962   0.734   16.90
107)  1,2,4-TRICHLOROBENZENE
                0.833 0.843 0.814 0.906 0.951 1.024 1.180 1.269   0.977   17.30
108)  NAPHTHALENE
          2.421 2.256 2.262 2.422 2.426 2.411 2.592 2.959 3.235   2.554   12.96

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          9.914 8.939 9.828 9.374 8.035 8.221 7.965 7.949 7.890   8.679    9.72
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W305.M          Thu Aug 29 00:15:47 2024
```

# Initial Calibration Verification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w07990.D Vial: 3
Acq On : 19 Aug 2024 6:28 am Operator: benk
Sample : icv305-10 Inst : MS7W
Misc : MS74014,v7w305,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.339 | -4.4 | 94 | 0.00 | 1.61 |
| 3 | T | FREON 152A | 0.692 | 0.659 | 4.8 | 95 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.311 | 6.9 | 92 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.535 | 5.4 | 95 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.114 | -2.6 | 99 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 0.844 | 11.9 | 93 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.483 | -3.8 | 101 | 0.00 | 1.72 |
| 9 | T | FREON 114 | 3.411 | 3.581 | -5.0 | 101 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.486 | 6.4 | 99 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.598 | -0.1 | 99 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.256 | 3.2 | 97 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.342 | 1.2 | 97 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.271 | 0.5 | 100 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.828 | -1.2 | 98 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.292 | -5.3 | 102 | 0.00 | 1.98 |
| 17 | T | ACETONITRILE | 1.552 | 1.467 | 5.5 | 102 | 0.00 | 2.05 |
| 18 | T | ACROLEIN | 0.779 | 0.760 | 2.4 | 99 | 0.00 | 2.09 |
| 19 | T | FREON 123 | 3.176 | 3.121 | 1.7 | 96 | 0.00 | 2.10 |
| 20 | T | FREON 123A | 1.822 | 1.735 | 4.8 | 92 | 0.00 | 2.12 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.751 | -4.3 | 100 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.362 | 0.7 | 103 | 0.00 | 2.21 |
| 23 | T | ACETONE | 0.923 | 0.836 | 9.4 | 99 | 0.00 | 2.13 |
| 24 | T | PENTANE | 1.720 | 1.599 | 7.0 | 97 | 0.00 | 2.30 |
| 25 | T | IODOMETHANE | 3.102 | 3.305 | -6.5 | 101 | 0.00 | 2.36 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.386 | -3.6 | 102 | 0.00 | 2.39 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.327 | -10.9 | 107 | 0.00 | 2.52 |
| 28 | T | ETHANOL | 0.925 | 0.759 | 17.9 | 88 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.279 | -4.8 | 101 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.150 | 8.4 | 98 | 0.00 | 2.27 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.301 | 5.5 | 102 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.704 | 0.1 | 100 | 0.00 | 2.47 |
| 33 | T | FREON 113 | 2.106 | 2.269 | -7.7 | 104 | 0.00 | 2.52 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.340 | -2.7 | 102 | 0.00 | 2.75 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.902 | -20.0 | 115 | -0.01 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.328 | -1.5 | 100 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.640 | -2.4 | 96 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.432 | 10.9 | 91 | 0.00 | 3.32 |
| 39 | T | VINYL ACETATE | 0.298 | 0.318 | -6.7 | 104 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.353 | 3.2 | 96 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.636 | 4.4 | 94 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.344 | 2.9 | 96 | 0.00 | 3.19 |

# Initial Calibration Verification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W305-ICV305
**Lab FileID:** 7W07990.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.699 | 1.5 | 94 | 0.00 | 3.32 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.486 | 6.9 | 91 | 0.00 | 3.33 |
| 45 | T | METHYL ACRYLATE | 2.989 | 2.977 | 0.4 | 95 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.786 | 0.5 | 97 | 0.00 | 3.34 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 2.738 | 6.2 | 92 | 0.00 | 3.83 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.487 | 2.4 | 97 | 0.00 | 3.91 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.437 | 2.6 | 93 | 0.00 | 4.33 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.036 | 4.1 | 95 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 3.772 | 8.4 | 94 | 0.00 | 4.22 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.339 | 4.0 | 94 | 0.00 | 4.43 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.178 | 1.7 | 94 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.371 | 3.1 | 96 | 0.00 | 5.12 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.332 | 2.6 | 94 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.315 | 1.9 | 98 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.731 | 0.0 | 96 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.601 | -2.2 | 95 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.510 | 6.7 | 92 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.196 | 6.7 | 93 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.517 | 9.0 | 90 | 0.00 | 5.53 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.302 | 1.3 | 96 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.313 | 10.6 | 92 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.425 | 2.7 | 90 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.019 | 4.2 | 94 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.366 | -2.2 | 97 | 0.00 | 6.73 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.294 | -1.0 | 97 | 0.00 | 6.89 |
| 70 | T | 2-HEXANONE | 0.534 | 0.460 | 13.9 | 91 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.529 | -4.5 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 96 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.581 | -4.3 | 95 | 0.00 | 7.79 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.521 | -1.8 | 96 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.745 | 12.9 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.429 | 0.0 | 94 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.941 | 2.8 | 95 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.502 | 5.4 | 94 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.194 | 4.7 | 93 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.192 | 5.2 | 93 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.891 | 2.1 | 94 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.903 | 9.2 | 90 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.548 | -0.7 | 91 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.875 | 1.2 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.695 | 2.9 | 93 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.729 | 0.7 | 98 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.469 | 1.7 | 95 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.886 | 1.8 | 95 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.442 | -1.1 | 96 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.490 | 0.2 | 94 | 0.00 | 15.29 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.702 | 2.1 | 92 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.428 | 2.3 | 93 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.806 | -3.7 | 97 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.344 | 1.7 | 95 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.502 | 1.7 | 93 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.634 | -42.5# | 109 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.011 | 0.9 | 94 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.984 | 2.7 | 95 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.956 | 2.0 | 95 | 0.00 | 17.04 |

# Initial Calibration Verification

**Job Number:** JE2491 **Sample:** V7W305-ICV305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W07990.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.444 | -0.9 | 95 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.505 | 2.7 | 94 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.494 | -0.6 | 95 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.490 | -0.4 | 94 | 0.00 | 17.43 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.465 | 1.7 | 92 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.720 | 1.9 | 98 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.928 | 5.0 | 95 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.550 | 0.2 | 103 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 100 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.972 | 8.1 | 97 | 0.00 | 2.30 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Thu Aug 29 00:23:32 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10576.D Vial: 2
Acq On : 18 Nov 2024 9:35 am Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 2 | T | FREON 115 | 1.282 | 1.751 | -36.6# | 98 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.896 | -29.5 | 103 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.350 | -4.8 | 82 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.974 | -21.6 | 98 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.006 | 0.1 | 77 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.105 | -15.3 | 97 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.741 | 18.3 | 63 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.281 | 3.8 | 74 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.443 | 14.6 | 72 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.580 | 1.1 | 78 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.191 | 8.2 | 73 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 1.995 | 15.9 | 66 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.238 | 3.1 | 78 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.842 | -2.9 | 80 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 2.996 | 4.2 | 74 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.302 | 16.1 | 72 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.718 | 7.8 | 75 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.134 | 1.3 | 77 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.837 | -0.8 | 77 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.386 | 5.8 | 72 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 2.874 | 15.1 | 70 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.893 | 3.3 | 84 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.489 | 13.4 | 72 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.311 | -6.7 | 81 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.303 | 2.6 | 76 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 3.511 | 10.0 | 69 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.784 | 15.2 | 72 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.289 | -5.6 | 81 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.082 | 13.8 | 74 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.185 | 13.9 | 74 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.629 | 10.8 | 71 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.070 | 1.7 | 76 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.420 | -8.8 | 86 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.965 | 8.8 | 70 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.620 | -10.4 | 87 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.712 | -13.9 | 85 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.946 | -8.0 | 88 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.338 | -13.4 | 88 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.846 | -17.0 | 92 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.744 | -11.9 | 87 | 0.00 | 3.01 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.466 | -5.9 | 84 | 0.01 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.812 | -14.4 | 87 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.572 | -9.6 | 86 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.335 | -11.6 | 85 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.797 | 0.1 | 77 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.308 | -13.3 | 89 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.738 | -7.5 | 85 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.867 | -14.6 | 88 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.055 | 3.2 | 76 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.293 | -4.2 | 85 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 82 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.358 | -1.4 | 84 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.191 | -5.5 | 85 | 0.00 | 4.70 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.372 | 2.9 | 80 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.375 | -10.0 | 89 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.325 | -1.2 | 85 | 0.00 | 4.86 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.786 | -7.5 | 86 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.602 | -2.4 | 80 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.727 | -6.7 | 88 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.202 | 3.8 | 81 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.573 | -0.9 | 84 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.321 | -4.9 | 86 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 84 | 0.00 | 6.17 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.496 | -13.5 | 88 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.020 | 4.1 | 79 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.516 | 1.3 | 79 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.429 | -19.8 | 95 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.296 | -1.7 | 82 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.484 | 9.4 | 81 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.537 | -6.1 | 84 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.381 | -0.3 | 87 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.600 | -7.7 | 82 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.520 | -1.6 | 80 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.790 | 7.6 | 80 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.459 | -7.0 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.879 | 9.2 | 76 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.418 | 10.6 | 76 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.118 | 10.8 | 75 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.118 | 11.1 | 75 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.860 | 5.5 | 77 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.887 | 10.9 | 75 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.598 | -9.9 | 85 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.832 | 6.1 | 76 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.649 | 9.4 | 74 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.681 | 7.2 | 78 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.439 | 8.0 | 76 | 0.00 | 13.96 |
| 89 | T | BROMOBENZENE | 0.902 | 0.818 | 9.3 | 75 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.402 | 8.0 | 75 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.459 | 6.5 | 76 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.624 | 6.6 | 75 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.314 | 10.1 | 73 | 0.00 | 15.99 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.701 | 9.8 | 72 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.319 | 8.9 | 76 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.357 | 11.2 | 72 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.850 | -91.0# | 125 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.961 | 5.8 | 76 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.931 | 7.9 | 77 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.892 | 8.6 | 76 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W387-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10576.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.410 | 6.8 | 75 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.334 | 13.8 | 71 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.444 | 9.6 | 73 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.445 | 8.8 | 73 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.499 | -5.5 | 85 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.703 | 4.2 | 82 | -0.01 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.850 | 13.0 | 74 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.975 | 22.7 | 68 | -0.01 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 79 | 0.01 | 3.28 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.045 | 18.8 | 68 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Tue Nov 19 04:47:41 2024

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10743.D Vial: 2
Acq On : 25 Nov 2024 9:11 am Operator: williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.597 | -24.6 | 106 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.845 | -22.1 | 116 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.367 | -9.9 | 103 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.750 | -7.8 | 104 | 0.00 | 1.68 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.015 | -0.1 | 92 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.036 | -8.1 | 109 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 3.440 | -2.5 | 95 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.591 | -5.3 | 97 | 0.00 | 1.77 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.525 | -1.2 | 102 | 0.00 | 1.74 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.831 | -14.7 | 108 | 0.00 | 1.80 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.394 | -7.4 | 102 | 0.00 | 1.84 |
| 13 | T | N-BUTANE | 2.371 | 2.511 | -5.9 | 99 | 0.00 | 1.86 |
| 14 | T | BROMOMETHANE | 1.277 | 1.268 | 0.7 | 95 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.894 | -9.3 | 101 | 0.00 | 1.97 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.273 | -4.7 | 96 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.517 | 2.3 | 101 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.741 | 4.9 | 92 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.251 | -2.4 | 96 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 1.740 | 4.5 | 88 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.411 | 5.1 | 87 | 0.00 | 2.20 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.192 | 5.8 | 93 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.924 | -0.1 | 104 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.710 | 0.6 | 99 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 2.955 | 4.7 | 86 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.347 | -0.7 | 94 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.075 | -4.5 | 96 | 0.01 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.966 | -4.4 | 106 | 0.00 | 2.00 |
| 29 | T | BROMOETHENE | 1.221 | 1.218 | 0.2 | 92 | 0.00 | 2.07 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.180 | 6.0 | 96 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.321 | 4.1 | 99 | 0.00 | 2.44 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.729 | -3.4 | 99 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 1.904 | 9.6 | 83 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.312 | -0.5 | 95 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 3.494 | -7.5 | 98 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.587 | -9.4 | 103 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.694 | -11.0 | 99 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.834 | -3.8 | 101 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.330 | -10.7 | 103 | 0.00 | 2.91 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.841 | -16.8 | 110 | 0.00 | 2.84 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.732 | -10.1 | 103 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.473 | -6.4 | 101 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.788 | -11.0 | 101 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.571 | -9.4 | 102 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.277 | -9.6 | 99 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 2.905 | -3.8 | 96 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.178 | -8.8 | 102 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.774 | -8.9 | 103 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.738 | -9.5 | 100 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 2.191 | -3.2 | 97 | 0.00 | 3.75 |
| 51 | t | BENZENE | 4.119 | 4.181 | -1.5 | 99 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.363 | -2.8 | 102 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.188 | -3.9 | 101 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.373 | 2.6 | 97 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.367 | -7.6 | 105 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.317 | 1.2 | 100 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.756 | -3.4 | 100 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.611 | -3.9 | 98 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.632 | -0.8 | 100 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.199 | 5.2 | 96 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.526 | 7.4 | 93 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.310 | -1.3 | 100 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.325 | 7.1 | 97 | 0.00 | 6.18 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.489 | -11.9 | 104 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 0.993 | 6.7 | 92 | 0.00 | 7.27 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.515 | 1.5 | 95 | 0.00 | 7.33 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.425 | -18.7 | 113 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.301 | -3.4 | 100 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.459 | 14.0 | 92 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.522 | -3.2 | 98 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.379 | 0.3 | 104 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.577 | -3.6 | 95 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.526 | -2.7 | 98 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.739 | 13.6 | 90 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.507 | -18.2 | 103 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.982 | -1.4 | 91 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.539 | 3.0 | 89 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.217 | 2.9 | 88 | 0.00 | 11.51 |
| 81 | t | O-XYLENE | 1.258 | 1.228 | 2.4 | 88 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.932 | -2.4 | 91 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.955 | 4.0 | 88 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.603 | -10.8 | 93 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.948 | -7.0 | 94 | 0.00 | 12.46 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.736 | -2.8 | 91 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.716 | 2.5 | 89 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.492 | -3.1 | 92 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.910 | -0.9 | 90 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.455 | -4.1 | 92 | 0.00 | 14.96 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.517 | -5.3 | 92 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.764 | -1.5 | 88 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.445 | 1.2 | 87 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.776 | 0.1 | 87 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.360 | -2.9 | 92 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.525 | 0.2 | 87 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.913 | -105.2# | 145# | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 1.065 | -4.4 | 91 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 1.028 | -1.7 | 91 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.983 | -0.7 | 91 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W392-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10743.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.463 | -5.2 | 92 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.509 | 2.5 | 87 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.518 | -5.5 | 92 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.511 | -4.7 | 90 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.554 | -17.1 | 101 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.795 | -8.3 | 100 | 0.00 | 18.66 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.971 | 0.6 | 92 | 0.00 | 18.35 |
| 108 | T | NAPHTHALENE | 2.554 | 2.197 | 14.0 | 82 | 0.00 | 18.40 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 95 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 8.196 | 5.6 | 95 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Mon Nov 25 21:33:21 2024

6.9.10

6

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V7W394-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w10810.D Vial: 2
Acq On : 27 Nov 2024 6:54 pm Operator: benk
Sample : cc305-10 Inst : MS7W
Misc : MS87455,v7w394,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Thu Aug 29 00:13:42 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 86 | 0.00 | 3.27 |
| 2 | T | FREON 115 | 1.282 | 1.592 | -24.2 | 97 | 0.00 | 1.62 |
| 3 | T | FREON 152A | 0.692 | 0.909 | -31.4# | 114 | 0.00 | 1.65 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.334 | 0.333 | 0.3 | 85 | 0.00 | 1.66 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.623 | 1.865 | -14.9 | 101 | 0.00 | 1.67 |
| 6 | T | DICHLORODIFLUOROMETHANE | 4.010 | 4.177 | -4.2 | 87 | 0.00 | 1.69 |
| 7 | T | PROPYLENE | 0.958 | 1.220 | -27.3 | 117 | 0.00 | 1.67 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 3.357 | 2.609 | 22.3 | 65 | 0.00 | 1.73 |
| 9 | T | FREON 114 | 3.411 | 3.659 | -7.3 | 90 | 0.00 | 1.76 |
| 10 | T | CHLOROMETHANE | 0.519 | 0.469 | 9.6 | 83 | 0.00 | 1.73 |
| 11 | T | VINYL CHLORIDE | 1.597 | 1.642 | -2.8 | 88 | 0.00 | 1.79 |
| 12 | t | 1,3-BUTADIENE | 1.298 | 1.291 | 0.5 | 86 | 0.00 | 1.83 |
| 13 | T | N-BUTANE | 2.371 | 2.236 | 5.7 | 80 | 0.00 | 1.85 |
| 14 | T | BROMOMETHANE | 1.277 | 1.496 | -17.1 | 102 | 0.00 | 1.91 |
| 15 | T | CHLOROETHANE | 0.818 | 0.869 | -6.2 | 90 | 0.00 | 1.96 |
| 16 | T | DICHLOROFLUOROMETHANE | 3.126 | 3.106 | 0.6 | 83 | 0.00 | 1.99 |
| 17 | T | ACETONITRILE | 1.552 | 1.492 | 3.9 | 90 | 0.00 | 2.06 |
| 18 | T | ACROLEIN | 0.779 | 0.756 | 3.0 | 86 | 0.00 | 2.10 |
| 19 | T | FREON 123 | 3.176 | 3.697 | -16.4 | 99 | 0.00 | 2.11 |
| 20 | T | FREON 123A | 1.822 | 2.105 | -15.5 | 97 | 0.00 | 2.13 |
| 21 | T | TRICHLOROFLUOROMETHANE | 3.596 | 3.454 | 3.9 | 80 | 0.00 | 2.19 |
| 22 | T | ISOPROPYL ALCOHOL | 3.387 | 3.101 | 8.4 | 83 | 0.00 | 2.22 |
| 23 | T | ACETONE | 0.923 | 0.907 | 1.7 | 93 | 0.00 | 2.14 |
| 24 | T | PENTANE | 1.720 | 1.673 | 2.7 | 88 | 0.00 | 2.31 |
| 25 | T | IODOMETHANE | 3.102 | 3.809 | -22.8 | 101 | 0.00 | 2.37 |
| 26 | T | 1,1-DICHLOROETHYLENE | 1.338 | 1.590 | -18.8 | 101 | 0.00 | 2.40 |
| 27 | T | CARBON DISULFIDE | 3.900 | 4.213 | -8.0 | 91 | 0.00 | 2.53 |
| 28 | T | ETHANOL | 0.925 | 0.954 | -3.1 | 96 | 0.00 | 1.99 |
| 29 | T | BROMOETHENE | 1.221 | 1.535 | -25.7 | 105 | 0.00 | 2.06 |
| 30 | T | ACRYLONITRILE | 1.255 | 1.226 | 2.3 | 91 | 0.00 | 2.28 |
| 31 | T | METHYLENE CHLORIDE | 1.377 | 1.461 | -6.1 | 100 | 0.00 | 2.43 |
| 32 | T | 3-CHLOROPROPENE | 0.705 | 0.759 | -7.7 | 94 | 0.00 | 2.48 |
| 33 | T | FREON 113 | 2.106 | 2.418 | -14.8 | 96 | 0.00 | 2.53 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 1.305 | 1.630 | -24.9 | 108 | 0.00 | 2.76 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 3.251 | 2.871 | 11.7 | 73 | 0.00 | 2.42 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 3.279 | 3.754 | -14.5 | 98 | 0.00 | 2.87 |
| 37 | T | TETRAHYDROFURAN | 0.625 | 0.767 | -22.7 | 100 | 0.00 | 3.56 |
| 38 | T | HEXANE | 2.729 | 2.925 | -7.2 | 95 | 0.00 | 3.33 |
| 39 | T | VINYL ACETATE | 0.298 | 0.383 | -28.5 | 109 | 0.00 | 2.90 |
| 40 | T | 1,1-DICHLOROETHANE | 2.432 | 2.810 | -15.5 | 99 | 0.00 | 2.83 |
| 41 | T | METHYL ETHYL KETONE | 0.665 | 0.799 | -20.2 | 102 | 0.00 | 3.00 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 1.384 | 1.593 | -15.1 | 99 | 0.00 | 3.20 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W394-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.710 | 0.834 | -17.5 | 97 | 0.00 | 3.33 |
| 44 | T | ETHYL ACETATE | 0.522 | 0.612 | -17.2 | 100 | 0.00 | 3.34 |
| 45 | T | METHYL ACRYLATE | 2.989 | 3.477 | -16.3 | 96 | 0.00 | 3.32 |
| 46 | T | CHLOROFORM | 2.799 | 3.048 | -8.9 | 92 | 0.00 | 3.35 |
| 47 | T | 2,4-DIMETHYLPENTANE | 2.920 | 3.312 | -13.4 | 97 | 0.00 | 3.84 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 2.548 | 2.712 | -6.4 | 92 | 0.00 | 3.92 |
| 49 | T | CARBON TETRACHLORIDE | 2.501 | 2.535 | -1.4 | 84 | 0.00 | 4.34 |
| 50 | T | 1,2-DICHLOROETHANE | 2.123 | 1.915 | 9.8 | 77 | 0.00 | 3.76 |
| 51 | t | BENZENE | 4.119 | 4.728 | -14.8 | 102 | 0.00 | 4.23 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 93 | 0.00 | 4.55 |
| 53 | T | CYCLOHEXANE | 0.353 | 0.376 | -6.5 | 99 | 0.00 | 4.44 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.181 | 0.200 | -10.5 | 101 | 0.00 | 4.69 |
| 55 | T | TRICHLOROETHENE | 0.383 | 0.389 | -1.6 | 95 | 0.00 | 5.13 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.341 | 0.371 | -8.8 | 99 | 0.00 | 4.89 |
| 57 | T | DIBROMOMETHANE | 0.321 | 0.294 | 8.4 | 87 | 0.00 | 4.85 |
| 58 | T | ETHYL ACRYLATE | 0.731 | 0.792 | -8.3 | 98 | 0.00 | 5.01 |
| 59 | T | BROMODICHLOROMETHANE | 0.588 | 0.624 | -6.1 | 94 | 0.00 | 5.07 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 1.619 | 1.644 | -1.5 | 95 | 0.00 | 5.22 |
| 61 | T | 1,4-DIOXANE | 0.210 | 0.223 | -6.2 | 100 | -0.01 | 5.15 |
| 62 | T | HEPTANE | 0.568 | 0.584 | -2.8 | 97 | 0.00 | 5.54 |
| 63 | T | METHYL METHACRYLATE | 0.306 | 0.343 | -12.1 | 104 | 0.00 | 5.43 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.350 | 0.339 | 3.1 | 95 | 0.00 | 6.18 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.437 | 0.505 | -15.6 | 101 | 0.00 | 6.06 |
| 66 | T | TOLUENE | 1.064 | 1.093 | -2.7 | 96 | 0.00 | 7.26 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.523 | 0.541 | -3.4 | 94 | 0.00 | 7.32 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.358 | 0.430 | -20.1 | 107 | 0.00 | 6.74 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.291 | 0.326 | -12.0 | 102 | 0.00 | 6.90 |
| 70 | T | 2-HEXANONE | 0.534 | 0.491 | 8.1 | 93 | 0.00 | 7.85 |
| 71 | T | ETHYL METHACRYLATE | 0.506 | 0.582 | -15.0 | 103 | 0.00 | 7.97 |
| 72 | T | TETRACHLOROETHENE | 0.380 | 0.354 | 6.8 | 91 | 0.00 | 8.99 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.557 | 0.538 | 3.4 | 83 | 0.00 | 7.80 |
| 74 | T | 1,2-DIBROMOETHANE | 0.512 | 0.542 | -5.9 | 94 | 0.00 | 8.14 |
| 75 | T | OCTANE | 0.855 | 0.832 | 2.7 | 95 | 0.00 | 9.14 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 88 | 0.00 | 10.12 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.429 | 0.433 | -0.9 | 86 | 0.00 | 10.21 |
| 78 | T | CHLOROBENZENE | 0.968 | 0.935 | 3.4 | 85 | 0.00 | 10.20 |
| 79 | t | ETHYLBENZENE | 1.587 | 1.596 | -0.6 | 91 | 0.00 | 11.08 |
| 80 | t | M,P-XYLENE | 1.253 | 1.230 | 1.8 | 87 | 0.00 | 11.50 |
| 81 | t | O-XYLENE | 1.258 | 1.206 | 4.1 | 85 | 0.00 | 12.44 |
| 82 | T | STYRENE | 0.910 | 0.951 | -4.5 | 91 | 0.00 | 12.23 |
| 83 | T | NONANE | 0.995 | 0.952 | 4.3 | 86 | 0.00 | 13.56 |
| 84 | T | BROMOFORM | 0.544 | 0.492 | 9.6 | 75 | 0.00 | 11.32 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.886 | 0.964 | -8.8 | 94 | 0.00 | 12.45 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.716 | 0.698 | 2.5 | 85 | 0.00 | 12.74 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.734 | 0.633 | 13.8 | 77 | 0.00 | 13.48 |
| 88 | T | ISOPROPYLBENZENE | 0.477 | 0.410 | 14.0 | 75 | 0.00 | 13.95 |
| 89 | T | BROMOBENZENE | 0.902 | 0.848 | 6.0 | 82 | 0.00 | 13.82 |
| 90 | T | 2-CHLOROTOLUENE | 0.437 | 0.371 | 15.1 | 73 | 0.00 | 14.95 |
| 91 | T | N-PROPYLBENZENE | 0.491 | 0.429 | 12.6 | 75 | 0.00 | 15.30 |
| 92 | T | 4-ETHYLTOLUENE | 1.738 | 1.572 | 9.6 | 77 | 0.00 | 15.74 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 1.462 | 1.271 | 13.1 | 75 | 0.00 | 16.00 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.777 | 0.679 | 12.6 | 74 | 0.00 | 16.27 |
| 95 | T | TERT-BUTYLBENZENE | 0.350 | 0.286 | 18.3 | 72 | 0.00 | 16.57 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 1.528 | 1.326 | 13.2 | 75 | 0.00 | 16.58 |
| 97 | T | BENZYL CHLORIDE | 0.445 | 0.844 | -89.7# | 132 | 0.00 | 16.67 |
| 98 | T | M-DICHLOROBENZENE | 1.020 | 0.836 | 18.0 | 70 | 0.00 | 16.64 |
| 99 | T | P-DICHLOROBENZENE | 1.011 | 0.806 | 20.3 | 70 | 0.00 | 16.73 |
| 100 | T | O-DICHLOROBENZENE | 0.976 | 0.785 | 19.6 | 71 | 0.00 | 17.04 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W394-CC305
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W10810.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.440 | 0.357 | 18.9 | 70 | 0.00 | 16.87 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 1.547 | 1.312 | 15.2 | 75 | 0.00 | 16.99 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.491 | 0.397 | 19.1 | 70 | 0.00 | 17.06 |
| 104 | T | N-BUTYLBENZENE | 0.488 | 0.407 | 16.6 | 71 | 0.00 | 17.42 |
| 105 | T | HEXACHLOROETHANE | 0.473 | 0.447 | 5.5 | 80 | 0.00 | 17.60 |
| 106 | T | HEXACHLOROBUTADIENE | 0.734 | 0.528 | 28.1 | 65 | 0.00 | 18.65 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.977 | 0.713 | 27.0 | 66 | 0.00 | 18.34 |
| 108 | T | NAPHTHALENE | 2.554 | 1.931 | 24.4 | 71 | 0.00 | 18.39 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 86 | 0.00 | 3.27 |
| 110 | | TVHC as equiv Pentane | 8.679 | 7.522 | 13.3 | 79 | 0.00 | 2.31 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w07980.D M7W305.M Sat Nov 30 14:51:11 2024

# Initial Calibration Summary



**Job Number:** JE2491 **Sample:** V7W405-ICC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11240.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

Calibration Files
0.04=7w11233.D 0.10=7w11234.D 0.20=7w11235.D 0.5 =7w11237.D
5.0 =7w11238.D 10 =7w11240.D 20 =7w11241.D 40 =7w11242.D
50 =7w11243.D =

| Compound | 0.04 | 0.10 | 0.20 | 0.5 | 5.0 | 10 | 20 | 40 | 50 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) I BROMOCHLOROMETHANE | ----------ISTD---------- | | | | | | | | | | |
| 2) FREON 115 | | | | | | | | | | 0.000 | -1.00 |
| 3) FREON 152A | 0.358 | 0.490 | 0.489 | 0.497 | 0.477 | 0.502 | 0.511 | 0.493 | 0.469 | 0.476 | 9.67 |
| 4) CHLORODIFLUOROMETHANE | 0.230 | 0.259 | 0.239 | 0.254 | 0.228 | 0.245 | 0.248 | 0.243 | 0.229 | 0.242 | 4.56 |
| 5) CHLOROTRIFLUOROETHENE | 0.964 | 1.190 | 1.217 | 1.200 | 1.155 | 1.229 | 1.224 | 1.188 | 1.114 | 1.165 | 7.17 |
| 6) DICHLORODIFLUOROMETHANE | 2.070 | 2.643 | 2.595 | 2.579 | 2.476 | 2.598 | 2.602 | 2.515 | 2.360 | 2.493 | 7.24 |
| 7) PROPYLENE | 0.852 | 0.749 | 0.673 | 0.667 | 0.573 | 0.614 | 0.613 | 0.598 | 0.566 | 0.656 | 14.20 |
| 8) 1-CHLORO-1,1-DIFLUOROETHANE | 1.709 | 1.969 | 1.873 | 1.889 | 1.828 | 1.916 | 1.906 | 1.823 | 1.707 | 1.847 | 4.89 |
| 9) FREON 114 | 1.660 | 2.082 | 1.985 | 2.047 | 1.995 | 2.082 | 2.079 | 1.998 | 1.871 | 1.978 | 6.92 |
| 10) CHLOROMETHANE | 0.322 | 0.328 | 0.258 | 0.242 | 0.230 | 0.246 | 0.245 | 0.237 | 0.223 | 0.259 | 14.95 |
| 11) VINYL CHLORIDE | 0.668 | 0.831 | 0.867 | 0.863 | 0.846 | 0.880 | 0.891 | 0.864 | 0.816 | 0.836 | 8.03 |
| 12) 1,3-BUTADIENE | 1.019 | 0.795 | 0.723 | 0.665 | 0.617 | 0.663 | 0.666 | 0.649 | 0.617 | 0.713 | 17.91 |
| 13) N-BUTANE | 1.759 | 1.337 | 1.321 | 1.328 | 1.137 | 1.230 | 1.234 | 1.198 | 1.128 | 1.297 | 14.66 |
| 14) BROMOMETHANE | 0.798 | 0.810 | 0.732 | 0.773 | 0.722 | 0.749 | 0.743 | 0.721 | 0.680 | 0.748 | 5.45 |
| 15) CHLOROETHANE | 0.482 | 0.497 | 0.442 | 0.460 | 0.428 | 0.454 | 0.451 | 0.440 | 0.419 | 0.453 | 5.48 |
| 16) DICHLOROFLUOROMETHANE | 1.519 | 1.902 | 1.861 | 1.820 | 1.723 | 1.818 | 1.817 | 1.751 | 1.659 | 1.763 | 6.66 |
| 17) ACETONITRILE | 0.760 | 1.147 | 0.892 | 0.788 | 0.710 | 0.749 | 0.751 | 0.737 | 0.699 | 0.804 | 17.49 |
| 18) ACROLEIN | 0.509 | 0.455 | 0.475 | 0.437 | 0.373 | 0.391 | 0.400 | 0.391 | 0.369 | 0.422 | 11.64 |
| 19) FREON 123 | 1.880 | 2.254 | 1.874 | 1.900 | 1.821 | 1.905 | 1.903 | 1.851 | 1.736 | 1.903 | 7.48 |
| 20) FREON 123A | 1.119 | 1.367 | 1.211 | 1.199 | 1.151 | 1.206 | 1.194 | 1.142 | 1.073 | 1.185 | 6.95 |
| 21) TRICHLOROFLUOROMETHANE | 1.733 | 2.305 | 2.304 | 2.256 | 2.230 | 2.351 | 2.318 | 2.202 | 2.062 | 2.196 | 8.81 |
| 22) ISOPROPYL ALCOHOL | 1.943 | 2.205 | 2.115 | 1.850 | 1.728 | 1.776 | 1.760 | 1.689 | 1.606 | 1.853 | 10.77 |
| 23) ACETONE | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.884 | 0.907 | 0.725 | 0.505 | 0.461 | 0.452 | 0.451 | 0.433 | 0.412 | 0.581 | 34.59 |
| 24) | PENTANE | | | | | | | | | | | |
| | | 0.949 | 0.984 | 0.897 | 0.926 | 0.828 | 0.883 | 0.883 | 0.851 | 0.807 | 0.890 | 6.41 |
| 25) | IODOMETHANE | | | | | | | | | | | |
| | | 1.610 | 2.061 | 2.056 | 2.117 | 2.075 | 2.143 | 2.120 | 2.021 | 1.908 | 2.012 | 8.26 |
| 26) | 1,1-DICHLOROETHYLENE | | | | | | | | | | | |
| | | 1.084 | 1.061 | 0.827 | 0.865 | 0.797 | 0.822 | 0.817 | 0.789 | 0.742 | 0.867 | 13.97 |
| 27) | CARBON DISULFIDE | | | | | | | | | | | |
| | | 1.793 | 2.247 | 2.149 | 2.282 | 2.124 | 2.278 | 2.279 | 2.204 | 2.078 | 2.159 | 7.24 |
| 28) | ETHANOL | | | | | | | | | | | |
| | | | | | 0.712 | 0.544 | 0.465 | 0.459 | 0.441 | 0.422 | 0.507 | 21.46 |
| 29) | BROMOETHENE | | | | | | | | | | | |
| | | 0.796 | 0.896 | 0.817 | 0.785 | 0.774 | 0.811 | 0.798 | 0.769 | 0.724 | 0.797 | 5.82 |
| 30) | ACRYLONITRILE | | | | | | | | | | | |
| | | | 1.070 | 1.045 | 0.677 | 0.601 | 0.611 | 0.607 | 0.584 | 0.557 | 0.719 | 29.44 |
| 31) | METHYLENE CHLORIDE | | | | | | | | | | | |
| | | | | 1.103 | 0.887 | 0.720 | 0.737 | 0.730 | 0.700 | 0.662 | 0.791 | 19.53 |
| 32) | 3-CHLOROPROPENE | | | | | | | | | | | |
| | | 0.367 | 0.466 | 0.441 | 0.418 | 0.398 | 0.415 | 0.416 | 0.402 | 0.383 | 0.412 | 7.19 |
| 33) | FREON 113 | | | | | | | | | | | |
| | | 1.040 | 1.382 | 1.429 | 1.352 | 1.349 | 1.390 | 1.367 | 1.290 | 1.215 | 1.313 | 9.11 |
| 34) | TRANS-1,2-DICHLOROETHENE | | | | | | | | | | | |
| | | 1.026 | 1.040 | 0.880 | 0.894 | 0.861 | 0.882 | 0.885 | 0.851 | 0.805 | 0.903 | 8.69 |
| 35) | TERTIARY BUTYL ALCOHOL | | | | | | | | | | | |
| | | 1.867 | 2.312 | 2.318 | 2.257 | 2.132 | 2.170 | 2.149 | 2.043 | 1.927 | 2.131 | 7.50 |
| 36) | METHYL TERTIARY BUTYL ETHER | | | | | | | | | | | |
| | | 2.390 | 2.737 | 2.720 | 2.638 | 2.514 | 2.646 | 2.640 | 2.540 | 2.407 | 2.581 | 4.89 |
| 37) | TETRAHYDROFURAN | | | | | | | | | | | |
| | | 0.213 | 0.399 | 0.418 | 0.436 | 0.425 | 0.436 | 0.441 | 0.427 | 0.405 | 0.400 | 17.86 |
| 38) | HEXANE | | | | | | | | | | | |
| | | 1.805 | 1.948 | 1.655 | 1.655 | 1.532 | 1.618 | 1.602 | 1.545 | 1.462 | 1.647 | 9.03 |
| 39) | VINYL ACETATE | | | | | | | | | | | |
| | | 0.167 | 0.286 | 0.249 | 0.266 | 0.228 | 0.252 | 0.257 | 0.253 | 0.240 | 0.244 | 13.54 |
| 40) | 1,1-DICHLOROETHANE | | | | | | | | | | | |
| | | 1.300 | 1.725 | 1.650 | 1.713 | 1.592 | 1.695 | 1.687 | 1.629 | 1.544 | 1.615 | 8.17 |
| 41) | METHYL ETHYL KETONE | | | | | | | | | | | |
| | | 0.319 | 0.514 | 0.485 | 0.451 | 0.436 | 0.463 | 0.462 | 0.446 | 0.423 | 0.444 | 12.19 |
| 42) | CIS-1,2-DICHLOROETHENE | | | | | | | | | | | |
| | | 0.735 | 1.032 | 0.948 | 0.992 | 0.910 | 0.973 | 0.969 | 0.926 | 0.882 | 0.930 | 9.21 |
| 43) | DIISOPROPYL ETHER | | | | | | | | | | | |
| | | 0.384 | 0.533 | 0.516 | 0.468 | 0.438 | 0.458 | 0.457 | 0.436 | 0.414 | 0.456 | 10.20 |
| 44) | ETHYL ACETATE | | | | | | | | | | | |
| | | 0.245 | 0.336 | 0.336 | 0.330 | 0.321 | 0.334 | 0.328 | 0.314 | 0.296 | 0.316 | 9.33 |
| 45) | METHYL ACRYLATE | | | | | | | | | | | |
| | | 1.427 | 2.048 | 1.928 | 1.944 | 1.819 | 1.936 | 1.931 | 1.857 | 1.763 | 1.850 | 9.66 |
| 46) | CHLOROFORM | | | | | | | | | | | |
| | | 1.631 | 1.901 | 1.879 | 1.953 | 1.798 | 1.920 | 1.885 | 1.793 | 1.690 | 1.828 | 5.98 |
| 47) | 2,4-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 1.747 | 2.005 | 1.839 | 1.846 | 1.731 | 1.867 | 1.848 | 1.795 | 1.710 | 1.821 | 4.92 |
| 48) | 1,1,1-TRICHLOROETHANE | | | | | | | | | | | |
| | | 1.636 | 2.058 | 1.974 | 2.049 | 1.936 | 2.054 | 2.060 | 1.992 | 1.881 | 1.960 | 6.97 |
| 49) | CARBON TETRACHLORIDE | | | | | | | | | | | |
| | | 1.268 | 1.747 | 1.831 | 1.989 | 2.007 | 2.200 | 2.225 | 2.167 | 2.063 | 1.944 | 15.47 |
| 50) | 1,2-DICHLOROETHANE | | | | | | | | | | | |
| | | 1.129 | 1.422 | 1.318 | 1.446 | 1.355 | 1.452 | 1.456 | 1.404 | 1.334 | 1.368 | 7.59 |
| 51) | BENZENE | | | | | | | | | | | |
| | | 2.592 | 2.909 | 2.787 | 2.706 | 2.537 | 2.707 | 2.705 | 2.614 | 2.478 | 2.671 | 4.93 |
| 52) | I 1,4-DIFLUOROBENZENE | ---------- | ISTD | ---------- | | | | | | | | |
| 53) | CYCLOHEXANE | | | | | | | | | | | |

# Initial Calibration Summary

**Job Number:** JE2491 **Sample:** V7W405-ICC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11240.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.212 | 0.240 | 0.240 | 0.246 | 0.226 | 0.247 | 0.246 | 0.240 | 0.228 | 0.236 | 4.99 |
| 54) | 2,3-DIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.131 | 0.127 | 0.121 | 0.129 | 0.117 | 0.127 | 0.125 | 0.123 | 0.117 | 0.124 | 3.96 |
| 55) | TRICHLOROETHENE | | | | | | | | | | | |
| | | 0.194 | 0.269 | 0.255 | 0.272 | 0.252 | 0.269 | 0.268 | 0.260 | 0.248 | 0.254 | 9.52 |
| 56) | 1,2-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.185 | 0.227 | 0.223 | 0.222 | 0.211 | 0.226 | 0.226 | 0.221 | 0.210 | 0.217 | 6.21 |
| 57) | DIBROMOMETHANE | | | | | | | | | | | |
| | | 0.265 | 0.280 | 0.230 | 0.244 | 0.214 | 0.236 | 0.233 | 0.229 | 0.218 | 0.239 | 8.92 |
| 58) | ETHYL ACRYLATE | | | | | | | | | | | |
| | | 0.346 | 0.447 | 0.496 | 0.453 | 0.459 | 0.493 | 0.495 | 0.489 | 0.469 | 0.461 | 10.22 |
| 59) | BROMODICHLOROMETHANE | | | | | | | | | | | |
| | | 0.315 | 0.409 | 0.389 | 0.406 | 0.402 | 0.442 | 0.438 | 0.432 | 0.412 | 0.405 | 9.41 |
| 60) | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | | | |
| | | 0.836 | 1.033 | 0.940 | 0.998 | 0.952 | 0.999 | 0.997 | 0.973 | 0.926 | 0.962 | 6.01 |
| 61) | 1,4-DIOXANE | | | | | | | | | | | |
| | | 0.085 | 0.148 | 0.205 | 0.141 | 0.151 | 0.143 | 0.139 | 0.134 | 0.129 | 0.142 | 21.73 |
| 62) | HEPTANE | | | | | | | | | | | |
| | | 0.269 | 0.380 | 0.342 | 0.362 | 0.322 | 0.349 | 0.348 | 0.342 | 0.328 | 0.338 | 9.25 |
| 63) | METHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.216 | 0.237 | 0.237 | 0.214 | 0.204 | 0.216 | 0.215 | 0.212 | 0.203 | 0.217 | 5.75 |
| 64) | METHYL ISOBUTYL KETONE | | | | | | | | | | | |
| | | 0.148 | 0.203 | 0.298 | 0.192 | 0.202 | 0.198 | 0.197 | 0.193 | 0.184 | 0.202 | 19.77 |
| 65) | CIS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.252 | 0.333 | 0.325 | 0.344 | 0.340 | 0.370 | 0.372 | 0.369 | 0.352 | 0.340 | 10.89 |
| 66) | TOLUENE | | | | | | | | | | | |
| | | 0.706 | 0.762 | 0.707 | 0.693 | 0.667 | 0.718 | 0.719 | 0.709 | 0.677 | 0.707 | 3.87 |
| 67) | 1,3-DICHLOROPROPANE | | | | | | | | | | | |
| | | 0.261 | 0.324 | 0.327 | 0.341 | 0.328 | 0.355 | 0.354 | 0.348 | 0.332 | 0.330 | 8.59 |
| 68) | TRANS-1,3-DICHLOROPROPENE | | | | | | | | | | | |
| | | 0.231 | 0.325 | 0.302 | 0.311 | 0.314 | 0.347 | 0.352 | 0.353 | 0.338 | 0.319 | 11.89 |
| 69) | 1,1,2-TRICHLOROETHANE | | | | | | | | | | | |
| | | 0.164 | 0.195 | 0.200 | 0.200 | 0.191 | 0.203 | 0.203 | 0.200 | 0.191 | 0.194 | 6.39 |
| 70) | 2-HEXANONE | | | | | | | | | | | |
| | | 0.203 | 0.278 | 0.613 | 0.275 | 0.378 | 0.280 | 0.279 | 0.272 | 0.257 | 0.315 | 38.27 |
| 71) | ETHYL METHACRYLATE | | | | | | | | | | | |
| | | 0.403 | 0.397 | 0.397 | 0.361 | 0.363 | 0.376 | 0.378 | 0.370 | 0.354 | 0.378 | 4.72 |
| 72) | TETRACHLOROETHENE | | | | | | | | | | | |
| | | 0.239 | 0.277 | 0.267 | 0.276 | 0.264 | 0.277 | 0.275 | 0.273 | 0.261 | 0.268 | 4.58 |
| 73) | DIBROMOCHLOROMETHANE | | | | | | | | | | | |
| | | 0.289 | 0.392 | 0.387 | 0.409 | 0.396 | 0.445 | 0.458 | 0.458 | 0.439 | 0.408 | 12.93 |
| 74) | 1,2-DIBROMOETHANE | | | | | | | | | | | |
| | | 0.265 | 0.356 | 0.338 | 0.360 | 0.357 | 0.388 | 0.388 | 0.384 | 0.365 | 0.356 | 10.74 |
| 75) | OCTANE | | | | | | | | | | | |
| | | 0.440 | 0.501 | 0.503 | 0.481 | 0.449 | 0.490 | 0.492 | 0.488 | 0.466 | 0.479 | 4.72 |
| 76) | I CHLOROBENZENE-D5 | ----------ISTD---------- | | | | | | | | | | |
| 77) | 1,1,1,2-TETRACHLOROETHANE | | | | | | | | | | | |
| | | 0.233 | 0.339 | 0.312 | 0.329 | 0.314 | 0.347 | 0.347 | 0.339 | 0.317 | 0.320 | 11.00 |
| 78) | CHLOROBENZENE | | | | | | | | | | | |
| | | 0.470 | 0.579 | 0.568 | 0.615 | 0.577 | 0.625 | 0.625 | 0.608 | 0.571 | 0.582 | 8.24 |
| 79) | ETHYLBENZENE | | | | | | | | | | | |
| | | 1.042 | 1.027 | 1.003 | 0.984 | 0.923 | 1.000 | 0.995 | 0.975 | 0.915 | 0.985 | 4.33 |
| 80) | M,P-XYLENE | | | | | | | | | | | |
| | | 0.699 | 0.841 | 0.767 | 0.794 | 0.742 | 0.801 | 0.798 | 0.779 | 0.728 | 0.772 | 5.61 |
| 81) | O-XYLENE | | | | | | | | | | | |
| | | 0.739 | 0.837 | 0.777 | 0.774 | 0.744 | 0.801 | 0.798 | 0.777 | 0.731 | 0.775 | 4.39 |
| 82) | STYRENE | | | | | | | | | | | |
| | | 0.392 | 0.537 | 0.524 | 0.555 | 0.562 | 0.617 | 0.619 | 0.615 | 0.579 | 0.555 | 12.69 |
| 83) | NONANE | | | | | | | | | | | |

```
          0.527 0.522 0.529 0.541 0.514 0.553 0.553 0.544 0.510   0.533    3.00
 84)  BROMOFORM
          0.261 0.370 0.358 0.381 0.371 0.425 0.437 0.434 0.412   0.383   14.29
 85)  1,1,2,2-TETRACHLOROETHANE
          0.408 0.523 0.506 0.528 0.514 0.557 0.557 0.542 0.509   0.516    8.68
 86)  1,2,3-TRICHLOROPROPANE
          0.306 0.394 0.401 0.424 0.421 0.454 0.451 0.441 0.414   0.412   10.86
 87)  4-BROMOFLUOROBENZENE
          0.717 0.717 0.716 0.714 0.738 0.726 0.732 0.737 0.735   0.726    1.34
 88)  ISOPROPYLBENZENE
          0.229 0.294 0.293 0.305 0.295 0.320 0.320 0.314 0.296   0.296    9.27
 89)  BROMOBENZENE
          0.460 0.573 0.537 0.562 0.542 0.589 0.589 0.576 0.542   0.552    7.22
 90)  2-CHLOROTOLUENE
          0.173 0.276 0.265 0.268 0.274 0.299 0.299 0.294 0.277   0.269   14.21
 91)  N-PROPYLBENZENE
          0.199 0.292 0.284 0.299 0.311 0.335 0.335 0.334 0.314   0.300   14.10
 92)  4-ETHYLTOLUENE
          0.852 1.057 1.025 1.051 1.077 1.163 1.177 1.172 1.119   1.077    9.43
 93)  1,3,5-TRIMETHYLBENZENE
          0.724 0.880 0.876 0.896 0.910 0.970 0.982 0.987 0.932   0.906    8.90
 94)  ALPHA-METHYLSTYRENE
          0.329 0.422 0.430 0.445 0.473 0.512 0.523 0.530 0.503   0.463   13.93
 95)  TERT-BUTYLBENZENE
          0.175 0.209 0.215 0.216 0.222 0.233 0.234 0.231 0.217   0.217    8.36
 96)  1,2,4-TRIMETHYLBENZENE
          0.742 0.878 0.883 0.906 0.922 0.978 0.993 0.996 0.928   0.914    8.56
 97)  BENZYL CHLORIDE
          0.612 0.672 0.698 0.715 0.809 0.917 0.953 0.979 0.931   0.810   17.20
 98)  M-DICHLOROBENZENE
          0.464 0.593 0.602 0.618 0.620 0.678 0.691 0.694 0.653   0.624   11.36
 99)  P-DICHLOROBENZENE
          0.457 0.594 0.585 0.595 0.598 0.654 0.670 0.674 0.635   0.607   10.84
100)  O-DICHLOROBENZENE
          0.484 0.575 0.578 0.583 0.574 0.624 0.636 0.641 0.606   0.589    8.07
101)  SEC-BUTYLBENZENE
          0.197 0.251 0.263 0.274 0.279 0.295 0.298 0.296 0.278   0.270   11.75
102)  1,2,3-TRIMETHYLBENZENE
          0.735 0.879 0.889 0.912 0.911 0.975 0.992 1.004 0.945   0.916    8.85
103)  P-ISOPROPYLTOLUENE
          0.221 0.290 0.300 0.296 0.308 0.326 0.327 0.324 0.304   0.300   10.79
104)  N-BUTYLBENZENE
          0.210 0.269 0.273 0.293 0.301 0.322 0.328 0.330 0.309   0.293   12.98
105)  HEXACHLOROETHANE
          0.229 0.317 0.322 0.323 0.353 0.396 0.407 0.406 0.385   0.349   16.65
106)  HEXACHLOROBUTADIENE
          0.344 0.402 0.406 0.420 0.436 0.474 0.504 0.492 0.463   0.438   11.65
107)  1,2,4-TRICHLOROBENZENE
          0.367 0.354 0.367 0.400 0.515 0.587 0.632 0.664 0.643   0.503   26.18
108)  NAPHTHALENE
                0.748 0.720 0.782 1.090 1.286 1.342 1.494 1.474   1.117   29.42

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
          4.273 4.626 4.148 4.425 4.130 4.221 4.321 4.157 3.915   4.246    4.74
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W405.M          Sun Dec 29 19:44:19 2024
```

# Initial Calibration Verification



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W405-ICV405
**Lab FileID:** 7W11247.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w\7w11247.D Vial: 5
Acq On : 28 Dec 2024 6:36 pm Operator: benk
Sample : icv405-10 Inst : MS7W
Misc : MS74014,v7w405,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 3.23 |
| 2 | T | FREON 115 | | | | | | |
| 3 | T | FREON 152A | 0.476 | 0.512 | -7.6 | 100 | 0.00 | 1.62 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.242 | 0.255 | -5.4 | 102 | 0.00 | 1.64 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.165 | 1.242 | -6.6 | 99 | 0.00 | 1.65 |
| 6 | T | DICHLORODIFLUOROMETHANE | 2.493 | 2.658 | -6.6 | 100 | 0.00 | 1.67 |
| 7 | T | PROPYLENE | 0.656 | 0.627 | 4.4 | 100 | 0.00 | 1.65 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 1.847 | 1.976 | -7.0 | 101 | 0.00 | 1.70 |
| 9 | T | FREON 114 | 1.978 | 2.125 | -7.4 | 100 | 0.00 | 1.74 |
| 10 | T | CHLOROMETHANE | 0.259 | 0.246 | 5.0 | 98 | 0.00 | 1.71 |
| 11 | T | VINYL CHLORIDE | 0.836 | 0.889 | -6.3 | 99 | 0.00 | 1.77 |
| 12 | t | 1,3-BUTADIENE | 0.713 | 0.676 | 5.2 | 100 | 0.00 | 1.81 |
| 13 | T | N-BUTANE | 1.297 | 1.274 | 1.8 | 101 | 0.00 | 1.82 |
| 14 | T | BROMOMETHANE | 0.748 | 0.771 | -3.1 | 100 | 0.00 | 1.88 |
| 15 | T | CHLOROETHANE | 0.453 | 0.464 | -2.4 | 100 | 0.00 | 1.93 |
| 16 | T | DICHLOROFLUOROMETHANE | 1.763 | 1.915 | -8.6 | 103 | 0.00 | 1.96 |
| 17 | T | ACETONITRILE | 0.804 | 0.794 | 1.2 | 104 | 0.00 | 2.02 |
| 18 | T | ACROLEIN | 0.422 | 0.421 | 0.2 | 105 | 0.00 | 2.06 |
| 19 | T | FREON 123 | 1.903 | 1.900 | 0.2 | 97 | 0.00 | 2.08 |
| 20 | T | FREON 123A | 1.185 | 1.123 | 5.2 | 91 | 0.00 | 2.09 |
| 21 | T | TRICHLOROFLUOROMETHANE | 2.196 | 2.404 | -9.5 | 100 | 0.00 | 2.16 |
| 22 | T | ISOPROPYL ALCOHOL | 1.853 | 1.854 | -0.1 | 102 | 0.00 | 2.17 |
| 23 | T | ACETONE | 0.581 | 0.468 | 19.4 | 101 | 0.00 | 2.10 |
| 24 | T | PENTANE | 0.890 | 0.900 | -1.1 | 100 | 0.00 | 2.27 |
| 25 | T | IODOMETHANE | 2.012 | 2.204 | -9.5 | 100 | 0.00 | 2.33 |
| 26 | T | 1,1-DICHLOROETHYLENE | 0.867 | 0.846 | 2.4 | 101 | 0.00 | 2.36 |
| 27 | T | CARBON DISULFIDE | 2.159 | 2.476 | -14.7 | 106 | 0.00 | 2.49 |
| 28 | T | ETHANOL | 0.507 | 0.416 | 17.9 | 87 | 0.00 | 1.96 |
| 29 | T | BROMOETHENE | 0.797 | 0.815 | -2.3 | 98 | 0.00 | 2.03 |
| 30 | T | ACRYLONITRILE | 0.719 | 0.624 | 13.2 | 100 | 0.00 | 2.24 |
| 31 | T | METHYLENE CHLORIDE | 0.791 | 0.772 | 2.4 | 102 | 0.00 | 2.40 |
| 32 | T | 3-CHLOROPROPENE | 0.412 | 0.431 | -4.6 | 101 | 0.00 | 2.44 |
| 33 | T | FREON 113 | 1.313 | 1.457 | -11.0 | 102 | 0.00 | 2.49 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 0.903 | 0.928 | -2.8 | 103 | 0.00 | 2.72 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 2.131 | 2.441 | -14.5 | 110 | 0.00 | 2.37 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 2.581 | 2.684 | -4.0 | 99 | 0.00 | 2.82 |
| 37 | T | TETRAHYDROFURAN | 0.400 | 0.465 | -16.3 | 104 | 0.00 | 3.51 |
| 38 | T | HEXANE | 1.647 | 1.605 | 2.6 | 97 | 0.00 | 3.28 |
| 39 | T | VINYL ACETATE | 0.244 | 0.267 | -9.4 | 104 | 0.00 | 2.86 |
| 40 | T | 1,1-DICHLOROETHANE | 1.615 | 1.714 | -6.1 | 99 | 0.00 | 2.79 |
| 41 | T | METHYL ETHYL KETONE | 0.444 | 0.463 | -4.3 | 98 | 0.00 | 2.96 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 0.930 | 0.993 | -6.8 | 100 | 0.00 | 3.15 |

# Initial Calibration Verification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Sample:** V7W405-ICV405
**Lab FileID:** 7W11247.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.456 | 0.469 | -2.9 | 100 | 0.00 | 3.28 |
| 44 | T | ETHYL ACETATE | 0.316 | 0.332 | -5.1 | 97 | 0.00 | 3.28 |
| 45 | T | METHYL ACRYLATE | 1.850 | 1.989 | -7.5 | 100 | 0.00 | 3.27 |
| 46 | T | CHLOROFORM | 1.828 | 1.993 | -9.0 | 101 | 0.00 | 3.30 |
| 47 | T | 2,4-DIMETHYLPENTANE | 1.821 | 1.866 | -2.5 | 98 | 0.00 | 3.79 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 1.960 | 2.104 | -7.3 | 100 | 0.00 | 3.86 |
| 49 | T | CARBON TETRACHLORIDE | 1.944 | 2.247 | -15.6 | 100 | 0.00 | 4.28 |
| 50 | T | 1,2-DICHLOROETHANE | 1.368 | 1.485 | -8.6 | 100 | 0.00 | 3.70 |
| 51 | t | BENZENE | 2.671 | 2.775 | -3.9 | 100 | 0.00 | 4.17 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 4.49 |
| 53 | T | CYCLOHEXANE | 0.236 | 0.249 | -5.5 | 99 | 0.00 | 4.38 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.124 | 0.128 | -3.2 | 99 | 0.00 | 4.63 |
| 55 | T | TRICHLOROETHENE | 0.254 | 0.275 | -8.3 | 100 | 0.00 | 5.06 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.217 | 0.232 | -6.9 | 100 | 0.00 | 4.83 |
| 57 | T | DIBROMOMETHANE | 0.239 | 0.245 | -2.5 | 102 | 0.00 | 4.79 |
| 58 | T | ETHYL ACRYLATE | 0.461 | 0.505 | -9.5 | 100 | 0.00 | 4.95 |
| 59 | T | BROMODICHLOROMETHANE | 0.405 | 0.449 | -10.9 | 100 | 0.00 | 5.01 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 0.962 | 1.005 | -4.5 | 98 | 0.00 | 5.16 |
| 61 | T | 1,4-DIOXANE | 0.142 | 0.144 | -1.4 | 99 | 0.00 | 5.08 |
| 62 | T | HEPTANE | 0.338 | 0.350 | -3.6 | 98 | 0.00 | 5.47 |
| 63 | T | METHYL METHACRYLATE | 0.217 | 0.220 | -1.4 | 100 | 0.00 | 5.37 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.202 | 0.200 | 1.0 | 98 | 0.00 | 6.09 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.340 | 0.352 | -3.5 | 93 | 0.00 | 5.99 |
| 66 | T | TOLUENE | 0.707 | 0.721 | -2.0 | 98 | 0.00 | 7.19 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.330 | 0.363 | -10.0 | 100 | 0.00 | 7.25 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.319 | 0.352 | -10.3 | 99 | 0.00 | 6.66 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.194 | 0.210 | -8.2 | 101 | 0.00 | 6.82 |
| 70 | T | 2-HEXANONE | 0.315 | 0.284 | 9.8 | 99 | 0.00 | 7.76 |
| 71 | T | ETHYL METHACRYLATE | 0.378 | 0.386 | -2.1 | 100 | 0.00 | 7.89 |
| 72 | T | TETRACHLOROETHENE | 0.268 | 0.281 | -4.9 | 99 | 0.00 | 8.91 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.408 | 0.456 | -11.8 | 100 | 0.00 | 7.72 |
| 74 | T | 1,2-DIBROMOETHANE | 0.356 | 0.398 | -11.8 | 100 | 0.00 | 8.06 |
| 75 | T | OCTANE | 0.479 | 0.491 | -2.5 | 98 | 0.00 | 9.06 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 10.03 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.320 | 0.353 | -10.3 | 100 | 0.00 | 10.12 |
| 78 | T | CHLOROBENZENE | 0.582 | 0.631 | -8.4 | 99 | 0.00 | 10.11 |
| 79 | t | ETHYLBENZENE | 0.985 | 1.014 | -2.9 | 99 | 0.00 | 10.99 |
| 80 | t | M,P-XYLENE | 0.772 | 0.809 | -4.8 | 99 | 0.00 | 11.42 |
| 81 | t | O-XYLENE | 0.775 | 0.802 | -3.5 | 98 | 0.00 | 12.34 |
| 82 | T | STYRENE | 0.555 | 0.620 | -11.7 | 99 | 0.00 | 12.14 |
| 83 | T | NONANE | 0.533 | 0.556 | -4.3 | 99 | 0.00 | 13.47 |
| 84 | T | BROMOFORM | 0.383 | 0.409 | -6.8 | 94 | 0.00 | 11.23 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.516 | 0.575 | -11.4 | 101 | 0.00 | 12.36 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.412 | 0.465 | -12.9 | 101 | 0.00 | 12.64 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.726 | 0.730 | -0.6 | 99 | 0.00 | 13.38 |
| 88 | T | ISOPROPYLBENZENE | 0.296 | 0.327 | -10.5 | 100 | 0.00 | 13.86 |
| 89 | T | BROMOBENZENE | 0.552 | 0.606 | -9.8 | 101 | 0.00 | 13.72 |
| 90 | T | 2-CHLOROTOLUENE | 0.269 | 0.308 | -14.5 | 101 | 0.00 | 14.86 |
| 91 | T | N-PROPYLBENZENE | 0.300 | 0.338 | -12.7 | 99 | 0.00 | 15.20 |
| 92 | T | 4-ETHYLTOLUENE | 1.077 | 1.184 | -9.9 | 100 | 0.00 | 15.64 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 0.906 | 0.984 | -8.6 | 99 | 0.00 | 15.91 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.463 | 0.536 | -15.8 | 103 | 0.00 | 16.21 |
| 95 | T | TERT-BUTYLBENZENE | 0.217 | 0.237 | -9.2 | 100 | 0.00 | 16.53 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 0.914 | 0.996 | -9.0 | 100 | 0.00 | 16.54 |
| 97 | T | BENZYL CHLORIDE | 0.810 | 0.987 | -21.9 | 106 | 0.00 | 16.63 |
| 98 | T | M-DICHLOROBENZENE | 0.624 | 0.693 | -11.1 | 100 | 0.00 | 16.60 |
| 99 | T | P-DICHLOROBENZENE | 0.607 | 0.670 | -10.4 | 100 | 0.00 | 16.69 |
| 100 | T | O-DICHLOROBENZENE | 0.589 | 0.639 | -8.5 | 100 | 0.00 | 17.01 |

# Initial Calibration Verification

**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY
**Sample:** V7W405-ICV405
**Lab FileID:** 7W11247.D

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.270 | 0.303 | -12.2 | 101 | 0.00 | 16.84 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 0.916 | 0.994 | -8.5 | 100 | 0.00 | 16.96 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.300 | 0.334 | -11.3 | 100 | 0.00 | 17.03 |
| 104 | T | N-BUTYLBENZENE | 0.293 | 0.323 | -10.2 | 98 | 0.00 | 17.40 |
| 105 | T | HEXACHLOROETHANE | 0.349 | 0.399 | -14.3 | 99 | 0.00 | 17.57 |
| 106 | T | HEXACHLOROBUTADIENE | 0.438 | 0.460 | -5.0 | 95 | 0.00 | 18.63 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.503 | 0.577 | -14.7 | 96 | 0.00 | 18.32 |
| 108 | T | NAPHTHALENE | 1.117 | 1.318 | -18.0 | 100 | 0.00 | 18.37 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 3.23 |
| 110 | | TVHC as equiv Pentane | 4.246 | 4.421 | -4.1 | 102 | 0.00 | 2.27 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Mon Dec 30 11:08:54 2024

6.9.13

6

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V7W414-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W414\7w11535.D Vial: 3
Acq On : 6 Jan 2025 8:54 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 3.23 |
| 2 | T | FREON 115 | 0.000 | 0.912 | 0.0 | 0# | 0.00 | 1.60 |
| 3 | T | FREON 152A | 0.476 | 0.499 | -4.8 | 99 | 0.00 | 1.63 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.242 | 0.265 | -9.5 | 108 | 0.00 | 1.64 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.165 | 1.209 | -3.8 | 98 | 0.00 | 1.65 |
| 6 | T | DICHLORODIFLUOROMETHANE | 2.493 | 2.756 | -10.5 | 105 | 0.00 | 1.67 |
| 7 | T | PROPYLENE | 0.656 | 0.683 | -4.1 | 110 | 0.00 | 1.65 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 1.847 | 2.059 | -11.5 | 107 | 0.00 | 1.71 |
| 9 | T | FREON 114 | 1.978 | 2.254 | -14.0 | 107 | 0.00 | 1.74 |
| 10 | T | CHLOROMETHANE | 0.259 | 0.304 | -17.4 | 123 | 0.00 | 1.71 |
| 11 | T | VINYL CHLORIDE | 0.836 | 1.047 | -25.2 | 118 | 0.00 | 1.77 |
| 12 | t | 1,3-BUTADIENE | 0.713 | 0.804 | -12.8 | 120 | 0.00 | 1.81 |
| 13 | T | N-BUTANE | 1.297 | 1.535 | -18.4 | 124 | 0.00 | 1.83 |
| 14 | T | BROMOMETHANE | 0.748 | 0.794 | -6.1 | 105 | 0.00 | 1.89 |
| 15 | T | CHLOROETHANE | 0.453 | 0.535 | -18.1 | 117 | 0.00 | 1.93 |
| 16 | T | DICHLOROFLUOROMETHANE | 1.763 | 2.066 | -17.2 | 113 | 0.00 | 1.96 |
| 17 | T | ACETONITRILE | 0.804 | 0.965 | -20.0 | 128 | 0.00 | 2.03 |
| 18 | T | ACROLEIN | 0.422 | 0.462 | -9.5 | 117 | 0.00 | 2.07 |
| 19 | T | FREON 123 | 1.903 | 2.079 | -9.2 | 108 | 0.00 | 2.08 |
| 20 | T | FREON 123A | 1.185 | 1.240 | -4.6 | 102 | 0.00 | 2.10 |
| 21 | T | TRICHLOROFLUOROMETHANE | 2.196 | 2.427 | -10.5 | 102 | 0.00 | 2.16 |
| 22 | T | ISOPROPYL ALCOHOL | 1.853 | 2.101 | -13.4 | 117 | 0.00 | 2.18 |
| 23 | T | ACETONE | 0.581 | 0.539 | 7.2 | 118 | 0.00 | 2.10 |
| 24 | T | PENTANE | 0.890 | 1.103 | -23.9 | 124 | 0.00 | 2.27 |
| 25 | T | IODOMETHANE | 2.012 | 2.121 | -5.4 | 98 | 0.00 | 2.34 |
| 26 | T | 1,1-DICHLOROETHYLENE | 0.867 | 0.865 | 0.2 | 104 | 0.00 | 2.36 |
| 27 | T | CARBON DISULFIDE | 2.159 | 2.519 | -16.7 | 110 | 0.00 | 2.50 |
| 28 | T | ETHANOL | 0.507 | 0.610 | -20.3 | 130 | 0.00 | 1.96 |
| 29 | T | BROMOETHENE | 0.797 | 0.821 | -3.0 | 100 | 0.00 | 2.03 |
| 30 | T | ACRYLONITRILE | 0.719 | 0.733 | -1.9 | 119 | 0.00 | 2.25 |
| 31 | T | METHYLENE CHLORIDE | 0.791 | 0.789 | 0.3 | 106 | 0.00 | 2.40 |
| 32 | T | 3-CHLOROPROPENE | 0.412 | 0.445 | -8.0 | 106 | 0.00 | 2.44 |
| 33 | T | FREON 113 | 1.313 | 1.355 | -3.2 | 97 | 0.00 | 2.50 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 0.903 | 0.926 | -2.5 | 104 | 0.00 | 2.72 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 2.131 | 2.380 | -11.7 | 109 | 0.00 | 2.38 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 2.581 | 2.611 | -1.2 | 98 | 0.00 | 2.83 |
| 37 | T | TETRAHYDROFURAN | 0.400 | 0.445 | -11.2 | 101 | 0.00 | 3.51 |
| 38 | T | HEXANE | 1.647 | 1.800 | -9.3 | 110 | 0.00 | 3.28 |
| 39 | T | VINYL ACETATE | 0.244 | 0.244 | 0.0 | 96 | 0.00 | 2.87 |
| 40 | T | 1,1-DICHLOROETHANE | 1.615 | 1.791 | -10.9 | 105 | 0.00 | 2.80 |
| 41 | T | METHYL ETHYL KETONE | 0.444 | 0.465 | -4.7 | 100 | 0.00 | 2.96 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 0.930 | 0.952 | -2.4 | 97 | 0.00 | 3.16 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W414-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.456 | 0.503 | -10.3 | 109 | 0.00 | 3.28 |
| 44 | T | ETHYL ACETATE | 0.316 | 0.349 | -10.4 | 104 | 0.00 | 3.29 |
| 45 | T | METHYL ACRYLATE | 1.850 | 2.099 | -13.5 | 108 | 0.00 | 3.28 |
| 46 | T | CHLOROFORM | 1.828 | 1.982 | -8.4 | 102 | 0.00 | 3.30 |
| 47 | T | 2,4-DIMETHYLPENTANE | 1.821 | 2.025 | -11.2 | 108 | 0.00 | 3.79 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 1.960 | 2.058 | -5.0 | 99 | 0.00 | 3.87 |
| 49 | T | CARBON TETRACHLORIDE | 1.944 | 2.103 | -8.2 | 95 | 0.00 | 4.29 |
| 50 | T | 1,2-DICHLOROETHANE | 1.368 | 1.592 | -16.4 | 109 | 0.00 | 3.71 |
| 51 | t | BENZENE | 2.671 | 2.721 | -1.9 | 100 | 0.00 | 4.17 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 96 | 0.00 | 4.50 |
| 53 | T | CYCLOHEXANE | 0.236 | 0.250 | -5.9 | 97 | 0.00 | 4.38 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.124 | 0.132 | -6.5 | 100 | 0.00 | 4.63 |
| 55 | T | TRICHLOROETHENE | 0.254 | 0.277 | -9.1 | 99 | 0.00 | 5.07 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.217 | 0.247 | -13.8 | 105 | 0.00 | 4.83 |
| 57 | T | DIBROMOMETHANE | 0.239 | 0.244 | -2.1 | 99 | 0.00 | 4.79 |
| 58 | T | ETHYL ACRYLATE | 0.461 | 0.536 | -16.3 | 104 | 0.00 | 4.95 |
| 59 | T | BROMODICHLOROMETHANE | 0.405 | 0.460 | -13.6 | 100 | 0.00 | 5.01 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 0.962 | 1.129 | -17.4 | 108 | 0.00 | 5.16 |
| 61 | T | 1,4-DIOXANE | 0.142 | 0.143 | -0.7 | 96 | 0.00 | 5.08 |
| 62 | T | HEPTANE | 0.338 | 0.411 | -21.6 | 113 | 0.00 | 5.47 |
| 63 | T | METHYL METHACRYLATE | 0.217 | 0.220 | -1.4 | 98 | 0.00 | 5.37 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.202 | 0.216 | -6.9 | 105 | 0.00 | 6.10 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.340 | 0.371 | -9.1 | 96 | 0.00 | 5.99 |
| 66 | T | TOLUENE | 0.707 | 0.735 | -4.0 | 98 | 0.00 | 7.19 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.330 | 0.373 | -13.0 | 101 | 0.00 | 7.25 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.319 | 0.343 | -7.5 | 95 | 0.00 | 6.67 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.194 | 0.213 | -9.8 | 100 | 0.00 | 6.82 |
| 70 | T | 2-HEXANONE | 0.315 | 0.303 | 3.8 | 104 | 0.00 | 7.76 |
| 71 | T | ETHYL METHACRYLATE | 0.378 | 0.386 | -2.1 | 99 | 0.00 | 7.89 |
| 72 | T | TETRACHLOROETHENE | 0.268 | 0.292 | -9.0 | 101 | 0.00 | 8.91 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.408 | 0.447 | -9.6 | 96 | 0.00 | 7.72 |
| 74 | T | 1,2-DIBROMOETHANE | 0.356 | 0.395 | -11.0 | 98 | 0.00 | 8.06 |
| 75 | T | OCTANE | 0.479 | 0.576 | -20.3 | 113 | 0.00 | 9.06 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 10.03 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.320 | 0.331 | -3.4 | 95 | 0.00 | 10.12 |
| 78 | T | CHLOROBENZENE | 0.582 | 0.617 | -6.0 | 98 | 0.00 | 10.11 |
| 79 | t | ETHYLBENZENE | 0.985 | 0.994 | -0.9 | 99 | 0.00 | 10.99 |
| 80 | t | M,P-XYLENE | 0.772 | 0.812 | -5.2 | 101 | 0.00 | 11.42 |
| 81 | t | O-XYLENE | 0.775 | 0.816 | -5.3 | 101 | 0.00 | 12.35 |
| 82 | T | STYRENE | 0.555 | 0.607 | -9.4 | 98 | 0.00 | 12.14 |
| 83 | T | NONANE | 0.533 | 0.642 | -20.5 | 115 | 0.00 | 13.47 |
| 84 | T | BROMOFORM | 0.383 | 0.407 | -6.3 | 95 | 0.00 | 11.23 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.516 | 0.577 | -11.8 | 103 | 0.00 | 12.36 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.412 | 0.473 | -14.8 | 104 | 0.00 | 12.65 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.726 | 0.741 | -2.1 | 101 | 0.00 | 13.39 |
| 88 | T | ISOPROPYLBENZENE | 0.296 | 0.318 | -7.4 | 99 | 0.00 | 13.86 |
| 89 | T | BROMOBENZENE | 0.552 | 0.594 | -7.6 | 100 | 0.00 | 13.73 |
| 90 | T | 2-CHLOROTOLUENE | 0.269 | 0.288 | -7.1 | 96 | 0.00 | 14.85 |
| 91 | T | N-PROPYLBENZENE | 0.300 | 0.331 | -10.3 | 98 | 0.00 | 15.20 |
| 92 | T | 4-ETHYLTOLUENE | 1.077 | 1.184 | -9.9 | 101 | 0.00 | 15.64 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 0.906 | 0.996 | -9.9 | 102 | 0.00 | 15.91 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.463 | 0.523 | -13.0 | 101 | 0.00 | 16.21 |
| 95 | T | TERT-BUTYLBENZENE | 0.217 | 0.234 | -7.8 | 100 | 0.00 | 16.53 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 0.914 | 1.036 | -13.3 | 105 | 0.00 | 16.54 |
| 97 | T | BENZYL CHLORIDE | 0.810 | 0.779 | 3.8 | 84 | 0.00 | 16.63 |
| 98 | T | M-DICHLOROBENZENE | 0.624 | 0.699 | -12.0 | 102 | 0.00 | 16.60 |
| 99 | T | P-DICHLOROBENZENE | 0.607 | 0.677 | -11.5 | 103 | 0.00 | 16.69 |
| 100 | T | O-DICHLOROBENZENE | 0.589 | 0.649 | -10.2 | 103 | 0.00 | 17.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W414-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11535.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.270 | 0.302 | -11.9 | 102 | 0.00 | 16.84 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 0.916 | 1.028 | -12.2 | 105 | 0.00 | 16.96 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.300 | 0.332 | -10.7 | 101 | 0.00 | 17.03 |
| 104 | T | N-BUTYLBENZENE | 0.293 | 0.324 | -10.6 | 100 | 0.00 | 17.39 |
| 105 | T | HEXACHLOROETHANE | 0.349 | 0.342 | 2.0 | 86 | 0.00 | 17.57 |
| 106 | T | HEXACHLOROBUTADIENE | 0.438 | 0.527 | -20.3 | 110 | 0.00 | 18.62 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.503 | 0.607 | -20.7 | 103 | 0.00 | 18.32 |
| 108 | T | NAPHTHALENE | 1.117 | 1.300 | -16.4 | 100 | 0.00 | 18.36 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 3.23 |
| 110 | | TVHC as equiv Pentane | 4.246 | 5.180 | -22.0 | 122 | 0.00 | 2.27 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Tue Jan 07 18:50:42 2025

6.9.14

6

# Continuing Calibration Summary



**Job Number:** JE2491 **Sample:** V7W415-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11571.D Vial: 3
Acq On : 7 Jan 2025 9:29 pm Operator: benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Sun Dec 29 19:41:17 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) | R.T. |
|---|---|---|---|---|---|---|---|---|
| 1 | I | BROMOCHLOROMETHANE | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 3.23 |
| 2 | T | FREON 115 | | ----------NA---------- | | | | |
| 3 | T | FREON 152A | 0.476 | 0.505 | -6.1 | 100 | 0.00 | 1.63 |
| 4 | T | CHLORODIFLUOROMETHANE | 0.242 | 0.265 | -9.5 | 107 | 0.00 | 1.64 |
| 5 | T | CHLOROTRIFLUOROETHENE | 1.165 | 1.191 | -2.2 | 96 | 0.00 | 1.65 |
| 6 | T | DICHLORODIFLUOROMETHANE | 2.493 | 2.770 | -11.1 | 106 | 0.00 | 1.67 |
| 7 | T | PROPYLENE | 0.656 | 0.690 | -5.2 | 111 | 0.00 | 1.65 |
| 8 | T | 1-CHLORO-1,1-DIFLUOROETHA | 1.847 | 2.074 | -12.3 | 107 | 0.00 | 1.71 |
| 9 | T | FREON 114 | 1.978 | 2.271 | -14.8 | 108 | 0.00 | 1.74 |
| 10 | T | CHLOROMETHANE | 0.259 | 0.308 | -18.9 | 124 | 0.00 | 1.71 |
| 11 | T | VINYL CHLORIDE | 0.836 | 1.063 | -27.2 | 120 | 0.00 | 1.77 |
| 12 | t | 1,3-BUTADIENE | 0.713 | 0.821 | -15.1 | 123 | 0.00 | 1.81 |
| 13 | T | N-BUTANE | 1.297 | 1.570 | -21.0 | 126 | 0.00 | 1.82 |
| 14 | T | BROMOMETHANE | 0.748 | 0.807 | -7.9 | 107 | 0.00 | 1.89 |
| 15 | T | CHLOROETHANE | 0.453 | 0.537 | -18.5 | 117 | 0.00 | 1.93 |
| 16 | T | DICHLOROFLUOROMETHANE | 1.763 | 2.093 | -18.7 | 114 | 0.00 | 1.96 |
| 17 | T | ACETONITRILE | 0.804 | 0.988 | -22.9 | 131 | 0.00 | 2.02 |
| 18 | T | ACROLEIN | 0.422 | 0.473 | -12.1 | 120 | 0.00 | 2.06 |
| 19 | T | FREON 123 | 1.903 | 2.097 | -10.2 | 109 | 0.00 | 2.08 |
| 20 | T | FREON 123A | 1.185 | 1.242 | -4.8 | 102 | 0.00 | 2.09 |
| 21 | T | TRICHLOROFLUOROMETHANE | 2.196 | 2.435 | -10.9 | 103 | 0.00 | 2.16 |
| 22 | T | ISOPROPYL ALCOHOL | 1.853 | 2.146 | -15.8 | 120 | 0.00 | 2.17 |
| 23 | T | ACETONE | 0.581 | 0.543 | 6.5 | 119 | 0.00 | 2.10 |
| 24 | T | PENTANE | 0.890 | 1.122 | -26.1 | 126 | 0.00 | 2.27 |
| 25 | T | IODOMETHANE | 2.012 | 2.105 | -4.6 | 97 | 0.00 | 2.33 |
| 26 | T | 1,1-DICHLOROETHYLENE | 0.867 | 0.863 | 0.5 | 104 | 0.00 | 2.36 |
| 27 | T | CARBON DISULFIDE | 2.159 | 2.531 | -17.2 | 110 | 0.00 | 2.49 |
| 28 | T | ETHANOL | 0.507 | 0.618 | -21.9 | 132 | 0.00 | 1.96 |
| 29 | T | BROMOETHENE | 0.797 | 0.834 | -4.6 | 102 | 0.00 | 2.03 |
| 30 | T | ACRYLONITRILE | 0.719 | 0.749 | -4.2 | 122 | 0.00 | 2.24 |
| 31 | T | METHYLENE CHLORIDE | 0.791 | 0.794 | -0.4 | 107 | 0.00 | 2.40 |
| 32 | T | 3-CHLOROPROPENE | 0.412 | 0.437 | -6.1 | 104 | 0.00 | 2.44 |
| 33 | T | FREON 113 | 1.313 | 1.356 | -3.3 | 97 | 0.00 | 2.49 |
| 34 | T | TRANS-1,2-DICHLOROETHENE | 0.903 | 0.929 | -2.9 | 104 | 0.00 | 2.72 |
| 35 | T | TERTIARY BUTYL ALCOHOL | 2.131 | 2.378 | -11.6 | 109 | 0.00 | 2.37 |
| 36 | t | METHYL TERTIARY BUTYL ETH | 2.581 | 2.603 | -0.9 | 98 | 0.00 | 2.82 |
| 37 | T | TETRAHYDROFURAN | 0.400 | 0.448 | -12.0 | 102 | 0.00 | 3.51 |
| 38 | T | HEXANE | 1.647 | 1.805 | -9.6 | 111 | 0.00 | 3.28 |
| 39 | T | VINYL ACETATE | 0.244 | 0.236 | 3.3 | 93 | 0.00 | 2.86 |
| 40 | T | 1,1-DICHLOROETHANE | 1.615 | 1.789 | -10.8 | 105 | 0.00 | 2.79 |
| 41 | T | METHYL ETHYL KETONE | 0.444 | 0.459 | -3.4 | 98 | 0.00 | 2.96 |
| 42 | T | CIS-1,2-DICHLOROETHENE | 0.930 | 0.954 | -2.6 | 97 | 0.00 | 3.15 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W415-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 43 | T | DIISOPROPYL ETHER | 0.456 | 0.510 | -11.8 | 110 | 0.00 | 3.28 |
| 44 | T | ETHYL ACETATE | 0.316 | 0.349 | -10.4 | 104 | 0.00 | 3.28 |
| 45 | T | METHYL ACRYLATE | 1.850 | 2.109 | -14.0 | 108 | 0.00 | 3.27 |
| 46 | T | CHLOROFORM | 1.828 | 1.991 | -8.9 | 103 | 0.00 | 3.30 |
| 47 | T | 2,4-DIMETHYLPENTANE | 1.821 | 2.030 | -11.5 | 108 | 0.00 | 3.79 |
| 48 | T | 1,1,1-TRICHLOROETHANE | 1.960 | 2.051 | -4.6 | 99 | 0.00 | 3.87 |
| 49 | T | CARBON TETRACHLORIDE | 1.944 | 2.052 | -5.6 | 92 | 0.00 | 4.28 |
| 50 | T | 1,2-DICHLOROETHANE | 1.368 | 1.597 | -16.7 | 109 | 0.00 | 3.70 |
| 51 | t | BENZENE | 2.671 | 2.753 | -3.1 | 101 | 0.00 | 4.17 |
| 52 | I | 1,4-DIFLUOROBENZENE | 1.000 | 1.000 | 0.0 | 96 | 0.00 | 4.49 |
| 53 | T | CYCLOHEXANE | 0.236 | 0.251 | -6.4 | 97 | 0.00 | 4.38 |
| 54 | T | 2,3-DIMETHYLPENTANE | 0.124 | 0.133 | -7.3 | 101 | 0.00 | 4.63 |
| 55 | T | TRICHLOROETHENE | 0.254 | 0.277 | -9.1 | 99 | 0.00 | 5.06 |
| 56 | T | 1,2-DICHLOROPROPANE | 0.217 | 0.246 | -13.4 | 104 | 0.00 | 4.83 |
| 57 | T | DIBROMOMETHANE | 0.239 | 0.245 | -2.5 | 100 | 0.00 | 4.79 |
| 58 | T | ETHYL ACRYLATE | 0.461 | 0.532 | -15.4 | 104 | 0.00 | 4.95 |
| 59 | T | BROMODICHLOROMETHANE | 0.405 | 0.456 | -12.6 | 99 | 0.00 | 5.01 |
| 60 | T | 2,2,4-TRIMETHYLPENTANE | 0.962 | 1.138 | -18.3 | 109 | 0.00 | 5.16 |
| 61 | T | 1,4-DIOXANE | 0.142 | 0.144 | -1.4 | 97 | 0.00 | 5.08 |
| 62 | T | HEPTANE | 0.338 | 0.418 | -23.7 | 115 | 0.00 | 5.47 |
| 63 | T | METHYL METHACRYLATE | 0.217 | 0.219 | -0.9 | 97 | 0.00 | 5.37 |
| 64 | T | METHYL ISOBUTYL KETONE | 0.202 | 0.219 | -8.4 | 106 | 0.00 | 6.09 |
| 65 | T | CIS-1,3-DICHLOROPROPENE | 0.340 | 0.367 | -7.9 | 95 | 0.00 | 5.99 |
| 66 | T | TOLUENE | 0.707 | 0.736 | -4.1 | 98 | 0.00 | 7.19 |
| 67 | T | 1,3-DICHLOROPROPANE | 0.330 | 0.373 | -13.0 | 101 | 0.00 | 7.25 |
| 68 | T | TRANS-1,3-DICHLOROPROPENE | 0.319 | 0.335 | -5.0 | 93 | 0.00 | 6.66 |
| 69 | T | 1,1,2-TRICHLOROETHANE | 0.194 | 0.213 | -9.8 | 100 | 0.00 | 6.82 |
| 70 | T | 2-HEXANONE | 0.315 | 0.304 | 3.5 | 104 | 0.00 | 7.76 |
| 71 | T | ETHYL METHACRYLATE | 0.378 | 0.381 | -0.8 | 97 | 0.00 | 7.89 |
| 72 | T | TETRACHLOROETHENE | 0.268 | 0.293 | -9.3 | 101 | 0.00 | 8.90 |
| 73 | T | DIBROMOCHLOROMETHANE | 0.408 | 0.439 | -7.6 | 95 | 0.00 | 7.72 |
| 74 | T | 1,2-DIBROMOETHANE | 0.356 | 0.394 | -10.7 | 97 | 0.00 | 8.06 |
| 75 | T | OCTANE | 0.479 | 0.583 | -21.7 | 114 | 0.00 | 9.06 |
| 76 | I | CHLOROBENZENE-D5 | 1.000 | 1.000 | 0.0 | 98 | 0.00 | 10.03 |
| 77 | T | 1,1,1,2-TETRACHLOROETHANE | 0.320 | 0.331 | -3.4 | 93 | 0.00 | 10.12 |
| 78 | T | CHLOROBENZENE | 0.582 | 0.627 | -7.7 | 98 | 0.00 | 10.11 |
| 79 | t | ETHYLBENZENE | 0.985 | 1.008 | -2.3 | 98 | 0.00 | 10.98 |
| 80 | t | M,P-XYLENE | 0.772 | 0.824 | -6.7 | 100 | 0.00 | 11.42 |
| 81 | t | O-XYLENE | 0.775 | 0.830 | -7.1 | 101 | 0.00 | 12.35 |
| 82 | T | STYRENE | 0.555 | 0.617 | -11.2 | 98 | 0.00 | 12.13 |
| 83 | T | NONANE | 0.533 | 0.658 | -23.5 | 116 | 0.00 | 13.47 |
| 84 | T | BROMOFORM | 0.383 | 0.401 | -4.7 | 92 | 0.00 | 11.23 |
| 85 | T | 1,1,2,2-TETRACHLOROETHANE | 0.516 | 0.588 | -14.0 | 103 | 0.00 | 12.36 |
| 86 | T | 1,2,3-TRICHLOROPROPANE | 0.412 | 0.482 | -17.0 | 104 | 0.00 | 12.64 |
| 87 | S | 4-BROMOFLUOROBENZENE | 0.726 | 0.745 | -2.6 | 100 | 0.00 | 13.38 |
| 88 | T | ISOPROPYLBENZENE | 0.296 | 0.319 | -7.8 | 97 | 0.00 | 13.86 |
| 89 | T | BROMOBENZENE | 0.552 | 0.608 | -10.1 | 101 | 0.00 | 13.72 |
| 90 | T | 2-CHLOROTOLUENE | 0.269 | 0.293 | -8.9 | 96 | 0.00 | 14.85 |
| 91 | T | N-PROPYLBENZENE | 0.300 | 0.337 | -12.3 | 98 | 0.00 | 15.19 |
| 92 | T | 4-ETHYLTOLUENE | 1.077 | 1.199 | -11.3 | 101 | 0.00 | 15.64 |
| 93 | T | 1,3,5-TRIMETHYLBENZENE | 0.906 | 1.011 | -11.6 | 102 | 0.00 | 15.91 |
| 94 | T | ALPHA-METHYLSTYRENE | 0.463 | 0.529 | -14.3 | 101 | 0.00 | 16.22 |
| 95 | T | TERT-BUTYLBENZENE | 0.217 | 0.241 | -11.1 | 101 | 0.00 | 16.53 |
| 96 | T | 1,2,4-TRIMETHYLBENZENE | 0.914 | 1.052 | -15.1 | 105 | 0.00 | 16.54 |
| 97 | T | BENZYL CHLORIDE | 0.810 | 0.751 | 7.3 | 80 | 0.00 | 16.63 |
| 98 | T | M-DICHLOROBENZENE | 0.624 | 0.712 | -14.1 | 103 | 0.00 | 16.60 |
| 99 | T | P-DICHLOROBENZENE | 0.607 | 0.689 | -13.5 | 103 | 0.00 | 16.69 |
| 100 | T | O-DICHLOROBENZENE | 0.589 | 0.661 | -12.2 | 103 | 0.00 | 17.01 |

# Continuing Calibration Summary

**Job Number:** JE2491 **Sample:** V7W415-CC405
**Account:** GESNYP Groundwater & Environmental Services **Lab FileID:** 7W11571.D
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 101 | T | SEC-BUTYLBENZENE | 0.270 | 0.304 | -12.6 | 100 | 0.00 | 16.84 |
| 102 | T | 1,2,3-TRIMETHYLBENZENE | 0.916 | 1.042 | -13.8 | 104 | 0.00 | 16.96 |
| 103 | T | P-ISOPROPYLTOLUENE | 0.300 | 0.334 | -11.3 | 100 | 0.00 | 17.03 |
| 104 | T | N-BUTYLBENZENE | 0.293 | 0.331 | -13.0 | 100 | 0.00 | 17.39 |
| 105 | T | HEXACHLOROETHANE | 0.349 | 0.337 | 3.4 | 83 | 0.00 | 17.57 |
| 106 | T | HEXACHLOROBUTADIENE | 0.438 | 0.534 | -21.9 | 110 | 0.00 | 18.62 |
| 107 | T | 1,2,4-TRICHLOROBENZENE | 0.503 | 0.616 | -22.5 | 102 | 0.00 | 18.32 |
| 108 | T | NAPHTHALENE | 1.117 | 1.314 | -17.6 | 100 | 0.00 | 18.36 |
| 109 | I | BROMOCHLOROMETHANE (A) | 1.000 | 1.000 | 0.0 | 99 | 0.00 | 3.23 |
| 110 | | TVHC as equiv Pentane | 4.246 | 5.174 | -21.9 | 121 | 0.00 | 2.27 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w11240.D M7W405.M Wed Jan 08 21:38:04 2025

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2125 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2125-BFB | 5W55458.D | 12/09/24 03:34 | n/a | BFB Tune |
| V5W2125-IC2125 | 5W55459.D | 12/09/24 04:14 | n/a | Initial cal 0.04 |
| V5W2125-IC2125 | 5W55460.D | 12/09/24 04:54 | n/a | Initial cal 0.1 |
| V5W2125-IC2125 | 5W55461.D | 12/09/24 05:35 | n/a | Initial cal 0.2 |
| V5W2125-IC2125 | 5W55463.D | 12/09/24 06:59 | n/a | Initial cal 0.5 |
| V5W2125-IC2125 | 5W55464.D | 12/09/24 07:45 | n/a | Initial cal 5 |
| V5W2125-ICC2125 | 5W55466.D | 12/09/24 09:03 | n/a | Initial cal 10 |
| V5W2125-IC2125 | 5W55467.D | 12/09/24 09:45 | n/a | Initial cal 20 |
| V5W2125-IC2125 | 5W55468.D | 12/09/24 10:29 | n/a | Initial cal 40 |
| V5W2125-IC2125 | 5W55469.D | 12/09/24 11:14 | n/a | Initial cal 50 |
| V5W2125-ICV2125 | 5W55473.D | 12/09/24 13:55 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V5W2132 **Method:** TO-15 **Instrument ID:** GCMS5W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2132-BFB | 5W55663.D | 12/16/24 12:41 | n/a | BFB Tune |
| V5W2132-CC2125 | 5W55664.D | 12/16/24 13:21 | n/a | Continuing cal 10 |
| V5W2132-BS | 5W55665.D | 12/16/24 14:48 | n/a | Blank Spike |
| V5W2132-BSD | 5W55666.D | 12/16/24 15:29 | n/a | Blank Spike Duplicate |
| V5W2132-MB | 5W55670.D | 12/16/24 18:38 | n/a | Method Blank |
| V5W2132-SCC | 5W55670A.D | 12/16/24 18:38 | n/a | Summa Cleaning Certification |
| V5W2132-SCC | 5W55671.D | 12/16/24 19:23 | n/a | Summa Cleaning Certification |
| V5W2132-SCC | 5W55672.D | 12/16/24 20:09 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 5W55673.D | 12/16/24 20:57 | n/a | (unrelated sample) |
| JE2487-4 | 5W55674.D | 12/16/24 21:45 | n/a | (used for QC only; not part of job JE2491) |
| JE2487-4DUP | 5W55675.D | 12/16/24 22:33 | n/a | Duplicate |
| ZZZZZZ | 5W55676.D | 12/16/24 23:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55677.D | 12/17/24 00:02 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55678.D | 12/17/24 00:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55679.D | 12/17/24 01:22 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55680.D | 12/17/24 02:03 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55681.D | 12/17/24 02:43 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55682.D | 12/17/24 03:24 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55683.D | 12/17/24 04:05 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55684.D | 12/17/24 04:46 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55685.D | 12/17/24 05:27 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55686.D | 12/17/24 06:08 | n/a | (unrelated sample) |
| V5W2132-SCC | 5W55688.D | 12/17/24 07:34 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 5W55689.D | 12/17/24 08:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55690.D | 12/17/24 09:07 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55691.D | 12/17/24 09:53 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55692.D | 12/17/24 10:53 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55693.D | 12/17/24 11:40 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2133 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2133-BFB | 5W55699.D | 12/17/24 19:52 | n/a | BFB Tune |
| V5W2133-CC2125 | 5W55700.D | 12/17/24 20:32 | n/a | Continuing cal 10 |
| V5W2133-BS | 5W55701.D | 12/17/24 21:13 | n/a | Blank Spike |
| V5W2133-BSD | 5W55703.D | 12/17/24 22:35 | n/a | Blank Spike Duplicate |
| V5W2133-MB | 5W55706.D | 12/18/24 00:51 | n/a | Method Blank |
| V5W2133-SCC | 5W55707.D | 12/18/24 01:36 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55709.D | 12/18/24 03:08 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55712.D | 12/18/24 05:29 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55713.D | 12/18/24 06:16 | n/a | Summa Cleaning Certification |
| V5W2133-SCC | 5W55714.D | 12/18/24 07:02 | n/a | Summa Cleaning Certification |
| JE2488-2 | 5W55716.D | 12/18/24 08:40 | n/a | (used for QC only; not part of job JE2491) |
| JE2488-2DUP | 5W55717.D | 12/18/24 09:29 | n/a | Duplicate |
| ZZZZZZ | 5W55721.D | 12/18/24 12:42 | n/a | (unrelated sample) |
| JE2491-2 | 5W55722.D | 12/18/24 13:30 | n/a | IA-3 |
| ZZZZZZ | 5W55724.D | 12/18/24 14:59 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55725.D | 12/18/24 15:40 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2136 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2136-BFB | 5W55777.D | 12/20/24 12:26 | n/a | BFB Tune |
| V5W2136-CC2125 | 5W55778.D | 12/20/24 13:06 | n/a | Continuing cal 10 |
| V5W2136-BS | 5W55779.D | 12/20/24 13:55 | n/a | Blank Spike |
| V5W2136-BSD | 5W55781.D | 12/20/24 15:34 | n/a | Blank Spike Duplicate |
| V5W2136-MB | 5W55783.D | 12/20/24 17:06 | n/a | Method Blank |
| JE2665-1 | 5W55784.D | 12/20/24 18:21 | n/a | (used for QC only; not part of job JE2491) |
| JE2665-1DUP | 5W55785.D | 12/20/24 19:03 | n/a | Duplicate |
| ZZZZZZ | 5W55786.D | 12/20/24 19:55 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55788.D | 12/20/24 21:22 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55789.D | 12/20/24 22:14 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55790.D | 12/20/24 22:55 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55791.D | 12/20/24 23:46 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55792.D | 12/21/24 00:26 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55793.D | 12/21/24 01:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55794.D | 12/21/24 01:49 | n/a | (unrelated sample) |
| JE2491-1 | 5W55795.D | 12/21/24 02:30 | n/a | SS-3 |
| JE2491-2 | 5W55796.D | 12/21/24 03:11 | n/a | IA-3 |
| JE2491-3 | 5W55797.D | 12/21/24 03:54 | n/a | SS-4 |
| ZZZZZZ | 5W55799.D | 12/21/24 05:21 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55800.D | 12/21/24 06:08 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V5W2138 | **Method:** TO-15 | **Instrument ID:** GCMS5W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V5W2138-BFB | 5W55818.D | 12/23/24 08:13 | n/a | BFB Tune |
| V5W2138-CC2125 | 5W55819.D | 12/23/24 09:11 | n/a | Continuing cal 10 |
| V5W2138-BS | 5W55820.D | 12/23/24 10:07 | n/a | Blank Spike |
| V5W2138-BSD | 5W55821.D | 12/23/24 11:17 | n/a | Blank Spike Duplicate |
| V5W2138-MB | 5W55823.D | 12/23/24 12:54 | n/a | Method Blank |
| V5W2138-SCC | 5W55824.D | 12/23/24 14:29 | n/a | Summa Cleaning Certification |
| JE2315-1 | 5W55825.D | 12/23/24 15:24 | n/a | (used for QC only; not part of job JE2491) |
| JE2315-1DUP | 5W55826.D | 12/23/24 16:11 | n/a | Duplicate |
| ZZZZZZ | 5W55827.D | 12/23/24 16:52 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55828.D | 12/23/24 17:34 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55829.D | 12/23/24 18:20 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55830.D | 12/23/24 19:01 | n/a | (unrelated sample) |
| JE2491-2 | 5W55831.D | 12/23/24 19:43 | n/a | IA-3 |
| ZZZZZZ | 5W55833.D | 12/23/24 21:09 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55834.D | 12/23/24 21:56 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55835.D | 12/23/24 22:42 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55836.D | 12/23/24 23:28 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55837.D | 12/24/24 00:14 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55838.D | 12/24/24 01:01 | n/a | (unrelated sample) |
| ZZZZZZ | 5W55839.D | 12/24/24 01:54 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W305 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W305-BFB | 7W07974.D | 08/18/24 21:06 | n/a | BFB Tune |
| V7W305-IC305 | 7W07975.D | 08/18/24 21:40 | n/a | Initial cal 0.04 |
| V7W305-IC305 | 7W07976.D | 08/18/24 22:13 | n/a | Initial cal 0.10 |
| V7W305-IC305 | 7W07977.D | 08/18/24 22:49 | n/a | Initial cal 0.20 |
| V7W305-IC305 | 7W07978.D | 08/18/24 23:22 | n/a | Initial cal 0.50 |
| V7W305-IC305 | 7W07979.D | 08/19/24 00:01 | n/a | Initial cal 5 |
| V7W305-ICC305 | 7W07980.D | 08/19/24 00:35 | n/a | Initial cal 10 |
| V7W305-IC305 | 7W07981.D | 08/19/24 01:10 | n/a | Initial cal 20 |
| V7W305-IC305 | 7W07982.D | 08/19/24 01:48 | n/a | Initial cal 40 |
| V7W305-IC305 | 7W07983.D | 08/19/24 02:28 | n/a | Initial cal 50 |
| V7W305-ICV305 | 7W07990.D | 08/19/24 06:28 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W387 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W387-BFB | 7W10575.D | 11/18/24 08:59 | n/a | BFB Tune |
| V7W387-CC305 | 7W10576.D | 11/18/24 09:35 | n/a | Continuing cal 10 |
| V7W387-BS | 7W10577.D | 11/18/24 10:11 | n/a | Blank Spike |
| V7W387-BSD | 7W10578.D | 11/18/24 10:46 | n/a | Blank Spike Duplicate |
| V7W387-MB | 7W10580.D | 11/18/24 12:04 | n/a | Method Blank |
| JD99820-1 | 7W10582.D | 11/18/24 13:59 | n/a | (used for QC only; not part of job JE2491) |
| JD99820-1DUP | 7W10583.D | 11/18/24 14:40 | n/a | Duplicate |
| ZZZZZZ | 7W10584.D | 11/18/24 15:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10586.D | 11/18/24 16:44 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10587.D | 11/18/24 17:25 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10588.D | 11/18/24 18:07 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10590.D | 11/18/24 19:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10591.D | 11/18/24 20:11 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10592.D | 11/18/24 20:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10593.D | 11/18/24 21:28 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10594.D | 11/18/24 22:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10595.D | 11/18/24 22:41 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10597.D | 11/18/24 23:53 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10598.D | 11/19/24 00:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10599.D | 11/19/24 01:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10601.D | 11/19/24 02:18 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10602.D | 11/19/24 02:55 | n/a | (unrelated sample) |
| V7W387-SCC | 7W10603.D | 11/19/24 03:31 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10604.D | 11/19/24 04:07 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10605.D | 11/19/24 04:48 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10606.D | 11/19/24 05:29 | n/a | Summa Cleaning Certification |
| V7W387-SCC | 7W10607.D | 11/19/24 06:10 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W10608.D | 11/19/24 06:51 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W392 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W392-BFB | 7W10742.D | 11/25/24 08:36 | n/a | BFB Tune |
| V7W392-CC305 | 7W10743.D | 11/25/24 09:11 | n/a | Continuing cal 10 |
| V7W392-BS | 7W10744.D | 11/25/24 09:50 | n/a | Blank Spike |
| V7W392-BSD | 7W10745.D | 11/25/24 10:26 | n/a | Blank Spike Duplicate |
| V7W392-MB | 7W10747.D | 11/25/24 11:46 | n/a | Method Blank |
| ZZZZZZ | 7W10748.D | 11/25/24 12:29 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10749.D | 11/25/24 13:04 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10750.D | 11/25/24 13:39 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10751.D | 11/25/24 14:14 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10752.D | 11/25/24 14:56 | n/a | (unrelated sample) |
| JE994-2 | 7W10754.D | 11/25/24 16:07 | n/a | (used for QC only; not part of job JE2491) |
| ZZZZZZ | 7W10757.D | 11/25/24 17:55 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10758.D | 11/25/24 18:30 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10759.D | 11/25/24 19:05 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10760.D | 11/25/24 19:40 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10761.D | 11/25/24 20:16 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10763.D | 11/25/24 21:26 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10764.D | 11/25/24 22:01 | n/a | (unrelated sample) |
| JE1061-10 | 7W10765.D | 11/25/24 22:38 | n/a | (used for QC only; not part of job JE2491) |
| ZZZZZZ | 7W10766.D | 11/25/24 23:19 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10767.D | 11/26/24 00:00 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10768.D | 11/26/24 00:42 | n/a | (unrelated sample) |
| ZZZZZZ | 7W10771.D | 11/26/24 02:42 | n/a | (unrelated sample) |
| V7W392-SCC | 7W10772.D | 11/26/24 03:23 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10773.D | 11/26/24 04:04 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10774.D | 11/26/24 04:44 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10775.D | 11/26/24 05:25 | n/a | Summa Cleaning Certification |
| V7W392-SCC | 7W10777.D | 11/26/24 06:47 | n/a | Summa Cleaning Certification |
| JE1061-10DUP | 7W10779.D | 11/26/24 08:24 | n/a | Duplicate |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W394 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W394-BFB | 7W10809.D | 11/27/24 18:19 | n/a | BFB Tune |
| V7W394-CC305 | 7W10810.D | 11/27/24 18:54 | n/a | Continuing cal 10 |
| V7W394-BS | 7W10811.D | 11/27/24 19:39 | n/a | Blank Spike |
| V7W394-BSD | 7W10812.D | 11/27/24 20:15 | n/a | Blank Spike Duplicate |
| V7W394-MB | 7W10814.D | 11/27/24 21:31 | n/a | Method Blank |
| V7W394-SCC | 7W10816.D | 11/27/24 22:42 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10817.D | 11/27/24 23:18 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10818.D | 11/27/24 23:53 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10819.D | 11/28/24 00:29 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10820.D | 11/28/24 01:04 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10822.D | 11/28/24 02:14 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10823.D | 11/28/24 02:50 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10824.D | 11/28/24 03:26 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10825.D | 11/28/24 04:02 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10826.D | 11/28/24 04:38 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10828.D | 11/28/24 05:49 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10831.D | 11/28/24 07:35 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10833.D | 11/28/24 08:46 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10836.D | 11/28/24 10:34 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10837.D | 11/28/24 11:09 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10838.D | 11/28/24 11:45 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10839.D | 11/28/24 12:20 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10840.D | 11/28/24 12:55 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10841.D | 11/28/24 13:31 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10842.D | 11/28/24 14:08 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10843.D | 11/28/24 14:44 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10844.D | 11/28/24 15:19 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10845.D | 11/28/24 15:55 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10846.D | 11/28/24 16:32 | n/a | Summa Cleaning Certification |
| V7W394-SCC | 7W10847.D | 11/28/24 17:07 | n/a | Summa Cleaning Certification |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W405 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W405-BFB | 7W11232.D | 12/28/24 08:40 | n/a | BFB Tune |
| V7W405-IC405 | 7W11233.D | 12/28/24 09:16 | n/a | Initial cal 0.04 |
| V7W405-IC405 | 7W11234.D | 12/28/24 09:53 | n/a | Initial cal 0.10 |
| V7W405-IC405 | 7W11235.D | 12/28/24 10:32 | n/a | Initial cal 0.20 |
| V7W405-IC405 | 7W11237.D | 12/28/24 11:51 | n/a | Initial cal 0.50 |
| V7W405-IC405 | 7W11238.D | 12/28/24 12:34 | n/a | Initial cal 5 |
| V7W405-ICC405 | 7W11240.D | 12/28/24 13:47 | n/a | Initial cal 10 |
| V7W405-IC405 | 7W11241.D | 12/28/24 14:25 | n/a | Initial cal 20 |
| V7W405-IC405 | 7W11242.D | 12/28/24 15:08 | n/a | Initial cal 40 |
| V7W405-IC405 | 7W11243.D | 12/28/24 15:52 | n/a | Initial cal 50 |
| V7W405-ICV405 | 7W11247.D | 12/28/24 18:36 | n/a | Initial cal verification 10 |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

**Run ID:** V7W414 **Method:** TO-15 **Instrument ID:** GCMS7W

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W414-BFB | 7W11534.D | 01/06/25 20:16 | n/a | BFB Tune |
| V7W414-CC405 | 7W11535.D | 01/06/25 20:54 | n/a | Continuing cal 10 |
| V7W414-BS | 7W11536.D | 01/06/25 21:31 | n/a | Blank Spike |
| V7W414-BSD | 7W11537.D | 01/06/25 22:08 | n/a | Blank Spike Duplicate |
| V7W414-MB | 7W11539.D | 01/06/25 23:35 | n/a | Method Blank |
| V7W414-SCC | 7W11540.D | 01/07/25 00:19 | n/a | Summa Cleaning Certification |
| V7W414-SCC | 7W11542.D | 01/07/25 01:41 | n/a | Summa Cleaning Certification |
| JE2491-4 | 7W11545.D | 01/07/25 03:36 | n/a | IA-4 |
| ZZZZZZ | 7W11546.D | 01/07/25 04:17 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11547.D | 01/07/25 04:56 | n/a | (unrelated sample) |
| JE2792-5 | 7W11548.D | 01/07/25 05:40 | n/a | (used for QC only; not part of job JE2491) |
| JE2792-5DUP | 7W11549.D | 01/07/25 06:24 | n/a | Duplicate |
| ZZZZZZ | 7W11550.D | 01/07/25 07:03 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11551.D | 01/07/25 07:42 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11552.D | 01/07/25 08:22 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11553.D | 01/07/25 09:01 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11554.D | 01/07/25 09:40 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11555.D | 01/07/25 10:19 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11556.D | 01/07/25 10:58 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11557.D | 01/07/25 11:42 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11558.D | 01/07/25 12:21 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11559.D | 01/07/25 13:03 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11560.D | 01/07/25 13:50 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11561.D | 01/07/25 14:36 | n/a | (unrelated sample) |
| JE3178-5 | 7W11562.D | 01/07/25 15:14 | n/a | (used for QC only; not part of job JE2491) |
| JE3178-5DUP | 7W11563.D | 01/07/25 15:53 | n/a | Duplicate |
| ZZZZZZ | 7W11566.D | 01/07/25 17:55 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11567.D | 01/07/25 18:33 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11568.D | 01/07/25 19:13 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11569.D | 01/07/25 19:55 | n/a | (unrelated sample) |

# Run Sequence Report



**Job Number:** JE2491
**Account:** GESNYP Groundwater & Environmental Services
**Project:** Regency Center Carmel ShopRite Plaza, Carmel, NY

| **Run ID:** V7W415 | **Method:** TO-15 | **Instrument ID:** GCMS7W |
|---|---|---|

| Lab Sample ID | Lab File ID | Date/Time Analyzed | Prep QC Batch | Client Sample ID |
|---|---|---|---|---|
| V7W415-BFB | 7W11570.D | 01/07/25 20:52 | n/a | BFB Tune |
| V7W415-CC405 | 7W11571.D | 01/07/25 21:29 | n/a | Continuing cal 10 |
| V7W415-BS | 7W11572.D | 01/07/25 22:06 | n/a | Blank Spike |
| V7W415-BSD | 7W11573.D | 01/07/25 22:43 | n/a | Blank Spike Duplicate |
| V7W415-MB | 7W11575.D | 01/08/25 00:11 | n/a | Method Blank |
| V7W415-SCC | 7W11576.D | 01/08/25 00:54 | n/a | Summa Cleaning Certification |
| V7W415-SCC | 7W11578.D | 01/08/25 02:16 | n/a | Summa Cleaning Certification |
| V7W415-SCC | 7W11579.D | 01/08/25 02:59 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W11580.D | 01/08/25 03:38 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11581.D | 01/08/25 04:23 | n/a | (unrelated sample) |
| V7W415-SCC | 7W11582.D | 01/08/25 05:06 | n/a | Summa Cleaning Certification |
| ZZZZZZ | 7W11583.D | 01/08/25 05:50 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11584.D | 01/08/25 06:34 | n/a | (unrelated sample) |
| JE3433-3 | 7W11585.D | 01/08/25 07:18 | n/a | (used for QC only; not part of job JE2491) |
| JE3433-3DUP | 7W11588.D | 01/08/25 15:57 | n/a | Duplicate |
| ZZZZZZ | 7W11589.D | 01/08/25 16:34 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11591.D | 01/08/25 18:06 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11592.D | 01/08/25 18:52 | n/a | (unrelated sample) |
| ZZZZZZ | 7W11593.D | 01/08/25 19:37 | n/a | (unrelated sample) |
| JE2491-4 | 7W11594.D | 01/08/25 20:22 | n/a | IA-4 |

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55795.D
Acq On : 21 Dec 2024 2:30 am
Operator : thomash
Sample : je2491-1 Inst : GCMS5W
Misc : MS88104,V5W2136,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 07:52:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

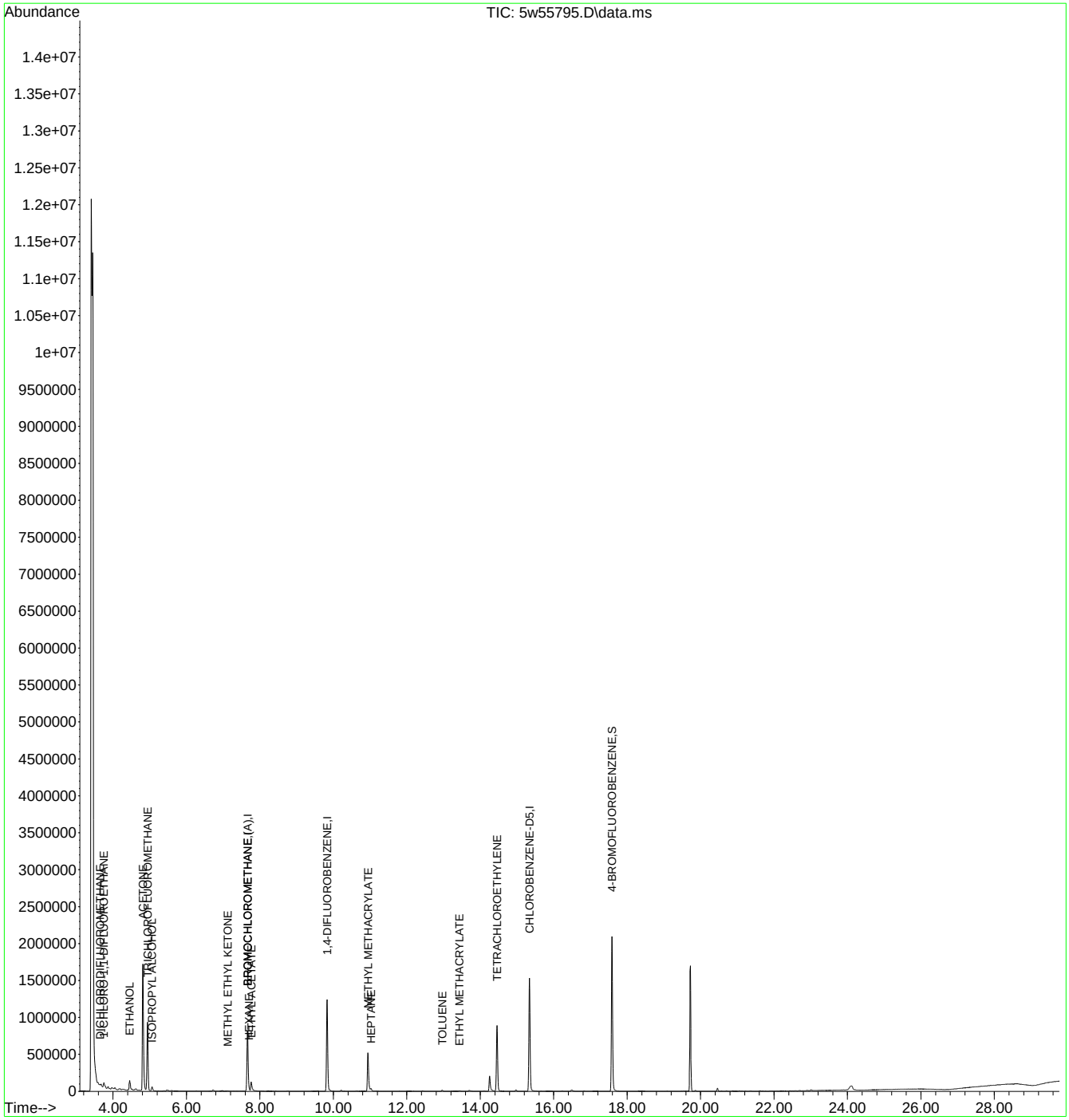
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 216763 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1073025 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 603430 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 216763 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 751325 | 11.13 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.30% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.644 | 85 | 11627 | 0.1468 | PPBV | 86 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.748 | 65 | 18362 | 0.2264 | PPBV | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 763310 | 10.4272 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.063 | 45 | 78372 | 1.6897 | PPBV | 90 |
| 23) ACETONE | 4.812 | 58 | 615907 | 35.2294 | PPBV # | 81 |
| 28) ETHANOL | 4.451 | 45 | 166488 | 9.7941 | PPBV | 98 |
| 38) HEXANE | 7.700 | 57 | 4140 | 0.1219 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.118 | 72 | 1100 | 0.1170 | PPBV # | 96 |
| 44) ETHYL ACETATE | 7.767 | 61 | 23993 | 3.4592 | PPBV # | 76 |
| 62) HEPTANE | 11.028 | 43 | 14433 | 0.3499 | PPBV | 93 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 245664 | 9.5013 | PPBV | 87 |
| 66) TOLUENE | 12.967 | 92 | 9105 | 0.1674 | PPBV | 97 |
| 72) ETHYL METHACRYLATE | 13.426 | 69 | 5225 | 0.1254 | PPBV # | 89 |
| 73) TETRACHLOROETHYLENE | 14.460 | 164 | 238577 | 6.0530 | PPBV | 87 |

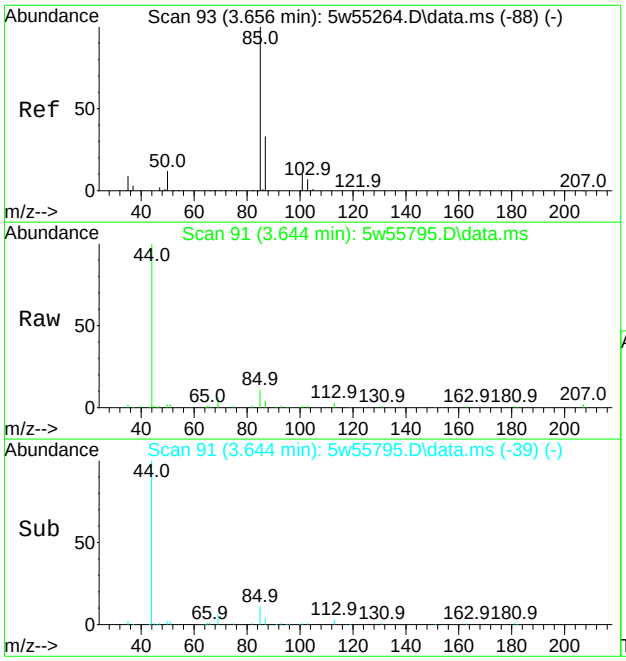
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55795.D
Acq On : 21 Dec 2024 2:30 am
Operator : thomash
Sample : je2491-1 Inst : GCMS5W
Misc : MS88104,V5W2136,100,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 07:52:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

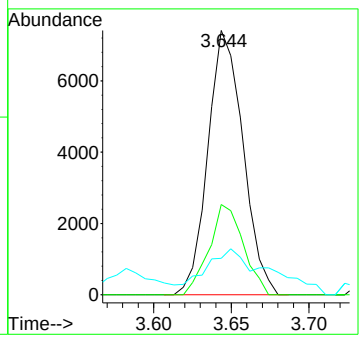


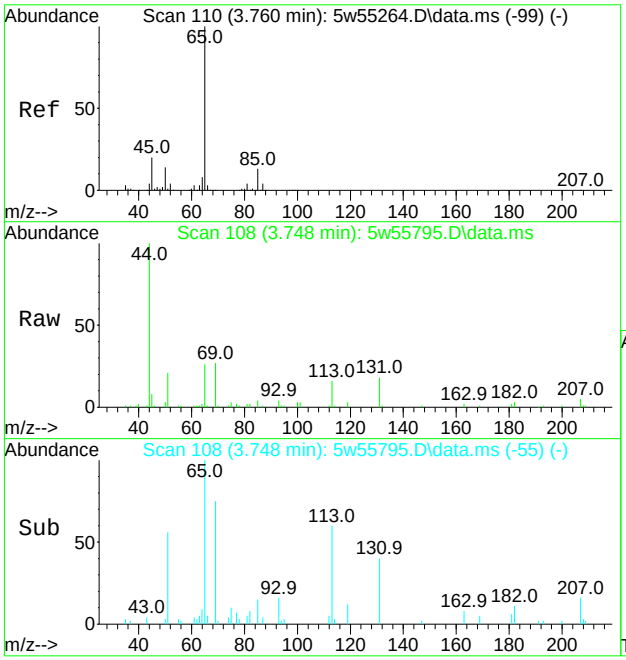



#6
DICHLORODIFLUOROMETHANE
Concen: 0.1468 PPBV
RT: 3.644 min Scan# 91
Delta R.T. -0.012 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 85 Resp: 11627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 2.6 | 62.6 |
| 50 | 31.8 | 0.0 | 43.0 |

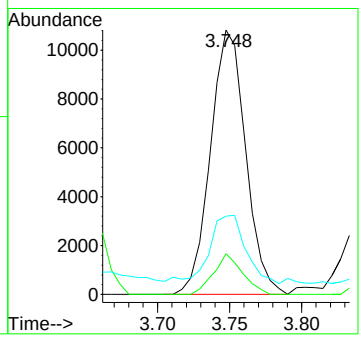


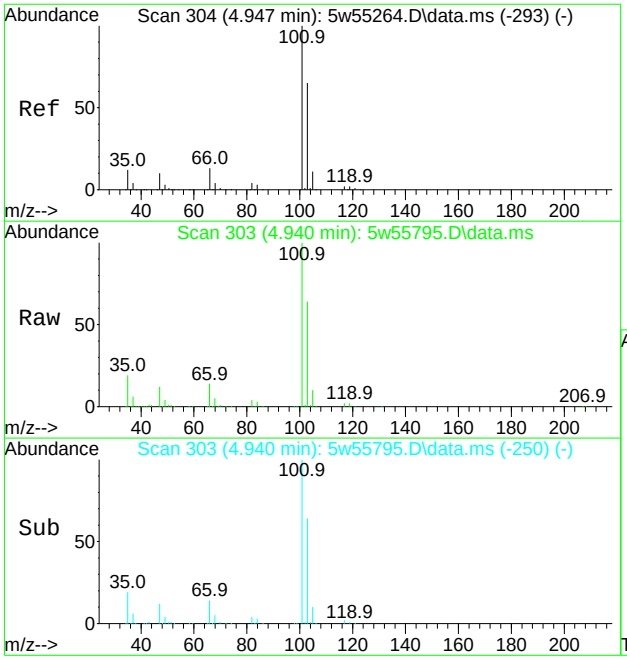




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.2264 PPBV
RT: 3.748 min Scan# 108
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 65 Resp: 18362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 12.6 | 10.1 | 18.7 |
| 45 | 26.5 | 15.9 | 29.5 |

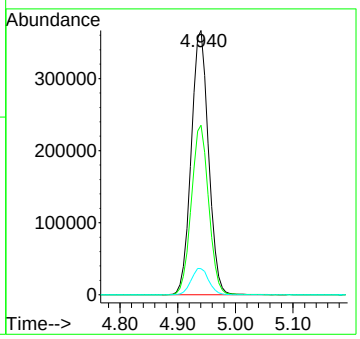


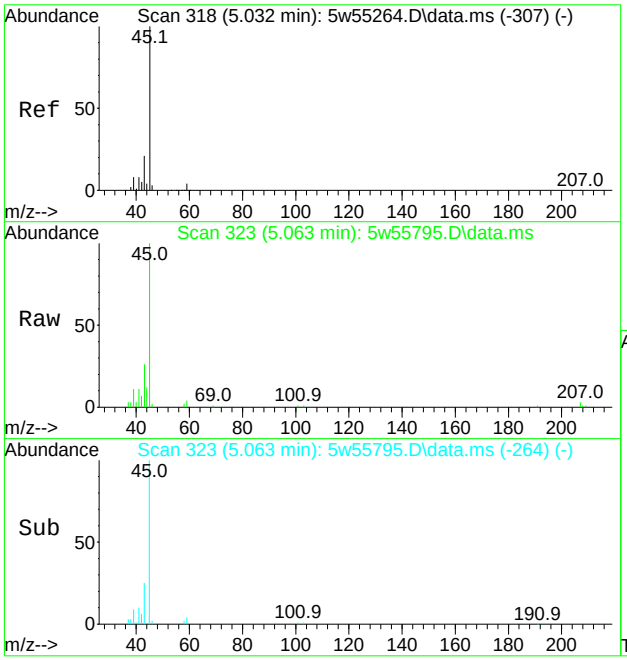



#21
TRICHLOROFLUOROMETHANE
Concen: 10.4272 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion:101 Resp: 763310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 34.7 | 94.7 |
| 105 | 10.2 | 0.0 | 40.5 |

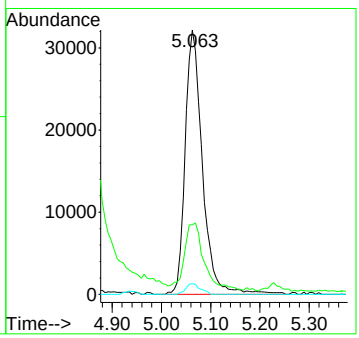


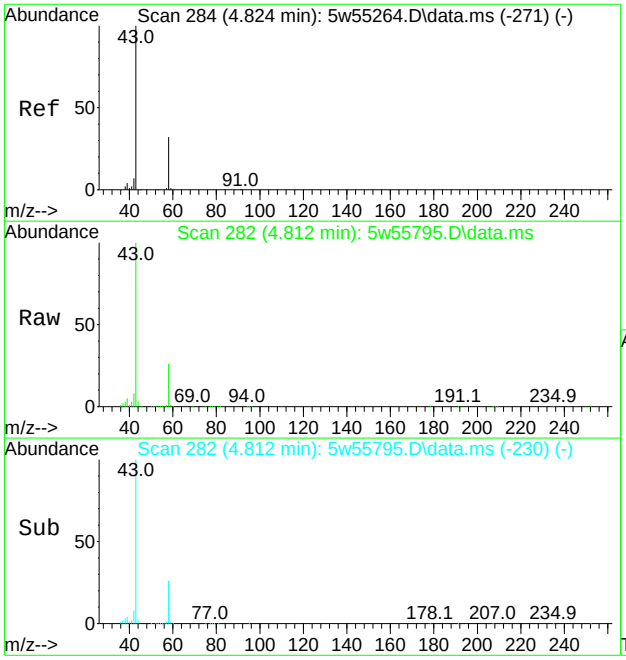




#22
ISOPROPYL ALCOHOL
Concen: 1.6897 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.030 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 45 Resp: 78372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 26.3 | 0.0 | 50.8 |
| 59 | 4.1 | 0.0 | 33.8 |

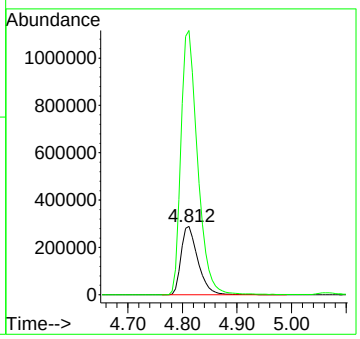


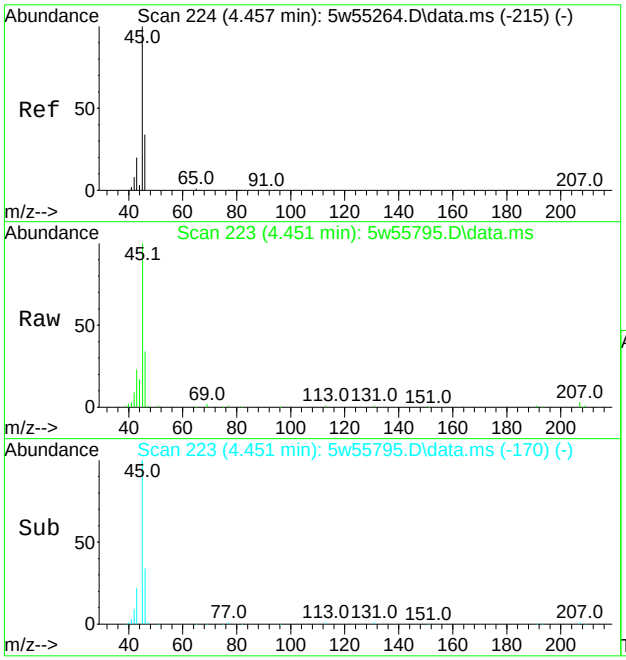



#23
ACETONE
Concen: 35.2294 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 58 Resp: 615907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 383.8 | 312.3 | 372.3# |

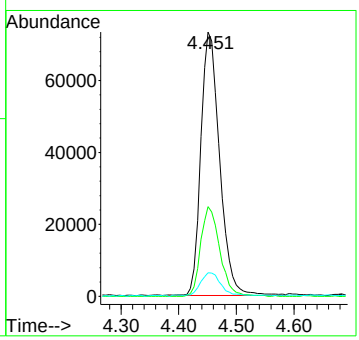


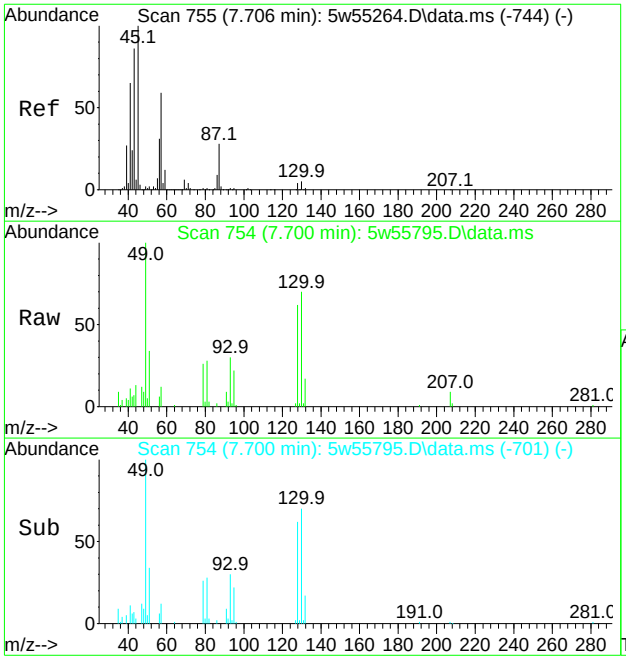




#28
ETHANOL
Concen: 9.7941 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 45 Resp: 166488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.5 | 4.5 | 64.5 |
| 42 | 12.1 | 0.0 | 38.6 |

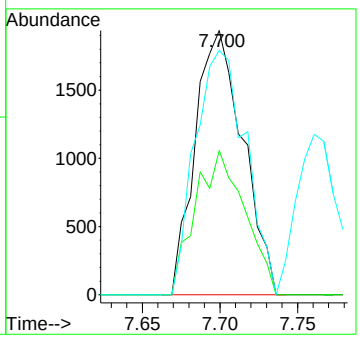


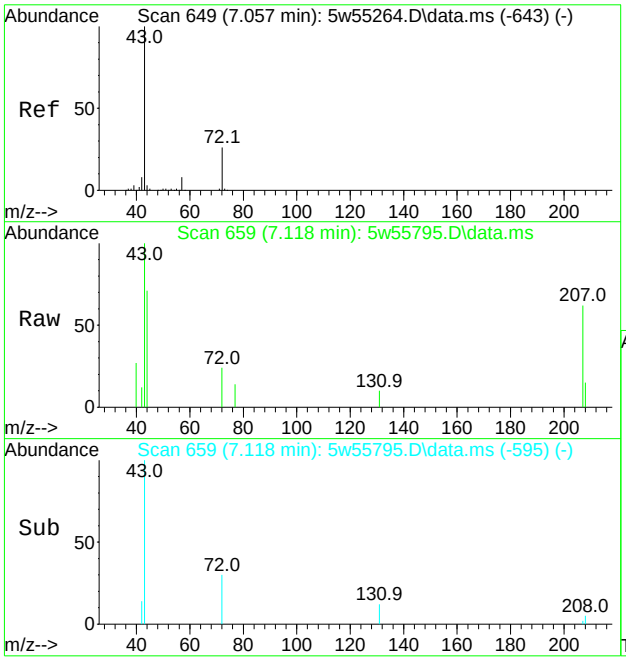



#38
HEXANE
Concen: 0.1219 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 57 Resp: 4140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 56.3 | 24.2 | 84.2 |
| 41 | 97.9 | 92.1 | 152.1 |

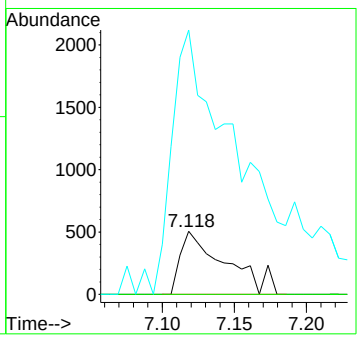


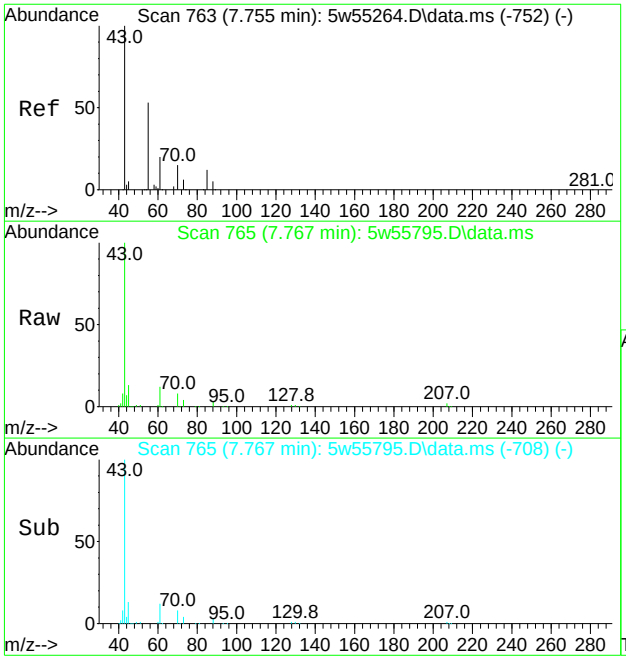




#41
METHYL ETHYL KETONE
Concen: 0.1170 PPBV
RT: 7.118 min Scan# 659
Delta R.T. 0.061 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 72 Resp: 1100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 419.2 | 390.6 | 450.6 |

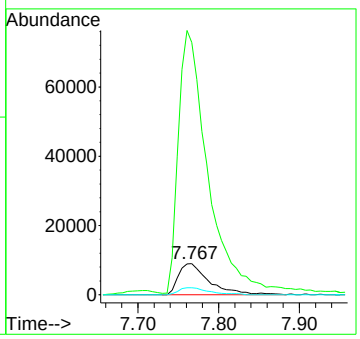


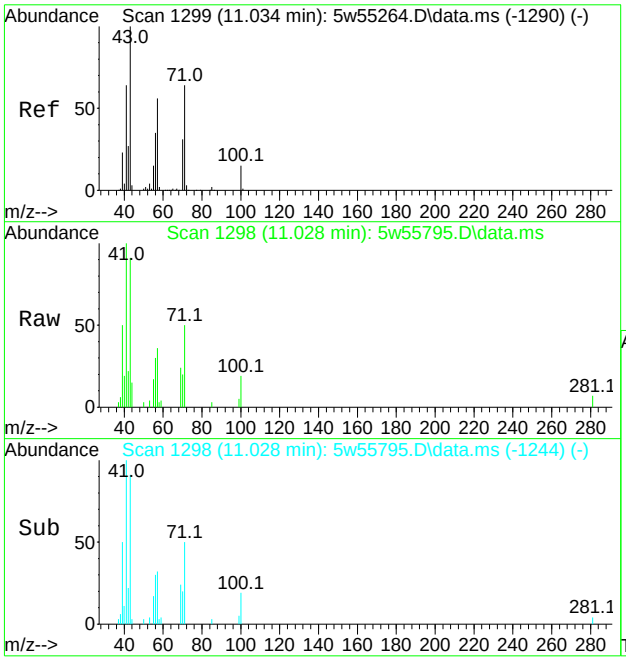



#44
ETHYL ACETATE
Concen: 3.4592 PPBV
RT: 7.767 min Scan# 765
Delta R.T. 0.018 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 61 Resp: 23993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 835.3 | 0.0 | 30.0# |
| 88 | 22.7 | 7.3 | 67.3 |

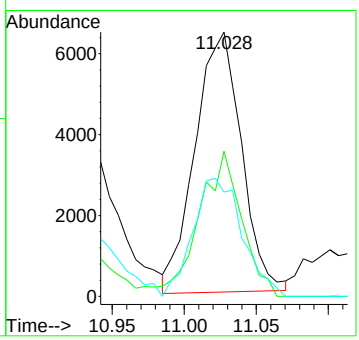


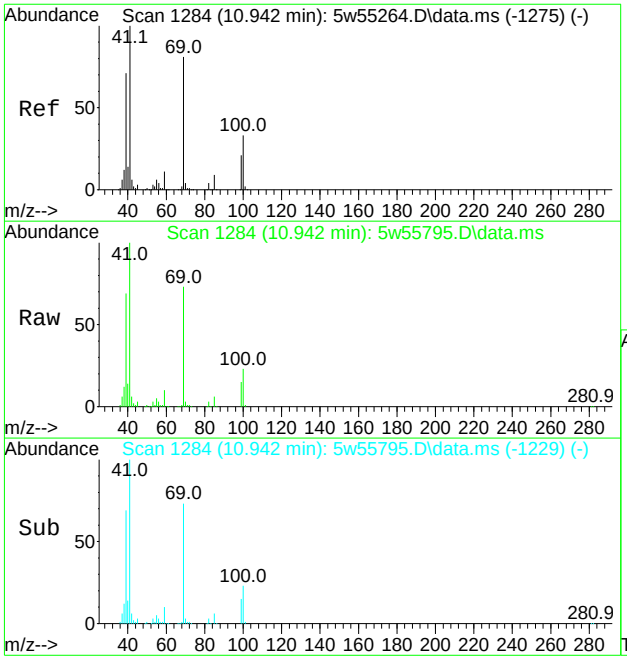




#62
HEPTANE
Concen: 0.3499 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 43 Resp: 14433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 51.0 | 27.2 | 87.2 |
| 57 | 48.1 | 22.5 | 82.5 |

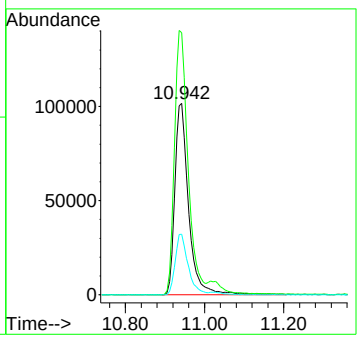


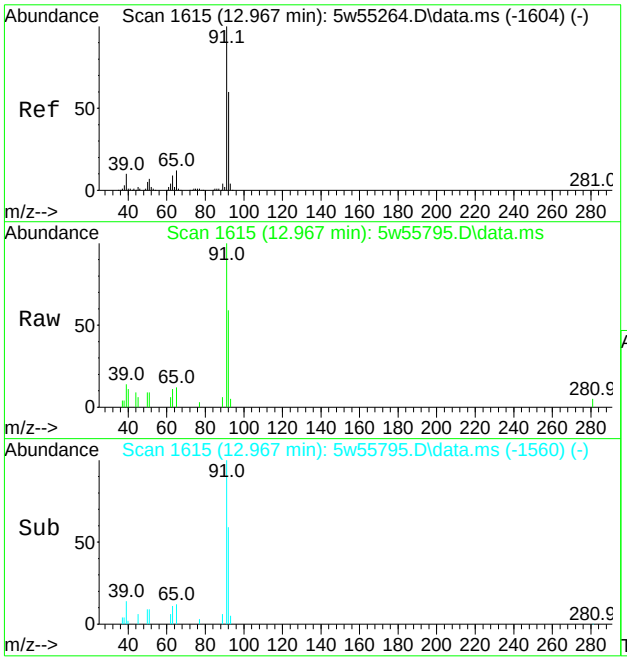



#63
METHYL METHACRYLATE
Concen: 9.5013 PPBV
RT: 10.942 min Scan# 1284
Delta R.T. 0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 69 Resp: 245664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 145.0 | 97.3 | 157.3 |
| 100 | 31.2 | 3.0 | 63.0 |

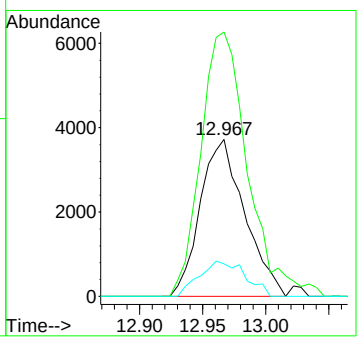


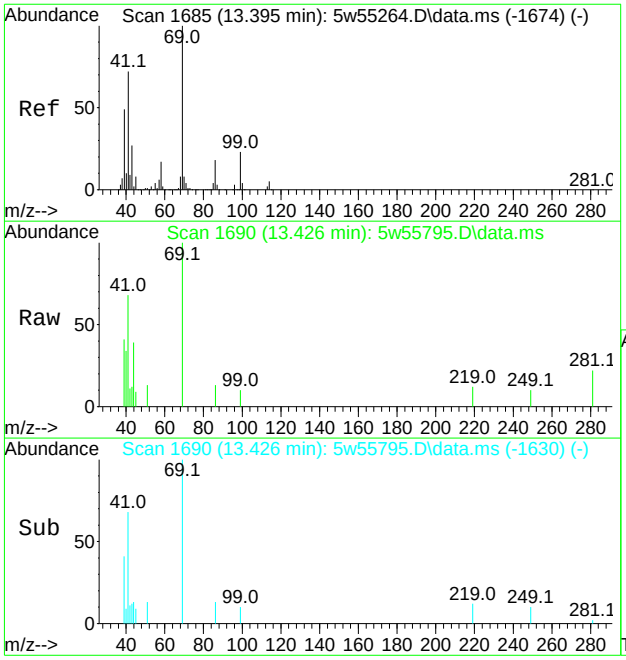




#66
TOLUENE
Concen: 0.1674 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 92 Resp: 9105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 177.5 | 143.4 | 203.4 |
| 65 | 23.2 | 0.0 | 53.8 |

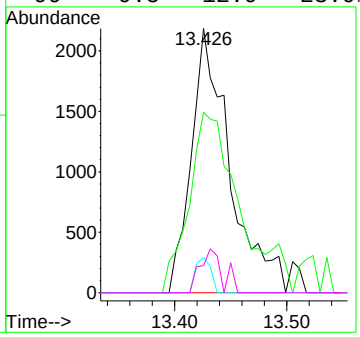


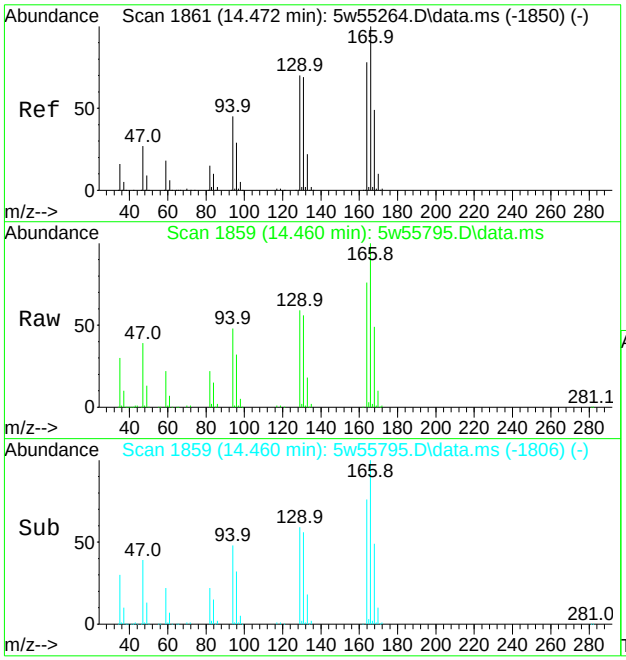



#72
ETHYL METHACRYLATE
Concen: 0.1254 PPBV
RT: 13.426 min Scan# 1690
Delta R.T. 0.037 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion: 69 Resp: 5225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 89.5 | 67.8 | 125.8 |
| 86 | 5.3 | 11.3 | 20.9# |
| 99 | 9.5 | 12.9 | 23.9# |

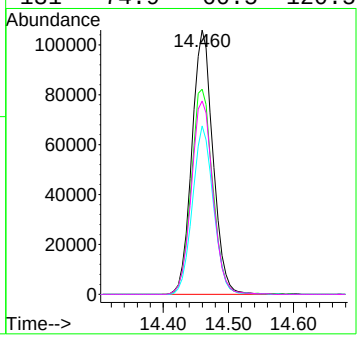



#73
TETRACHLOROETHYLENE
Concen: 6.0530 PPBV
RT: 14.460 min Scan# 1859
Delta R.T. -0.006 min
Lab File: 5w55795.D
Acq: 21 Dec 2024 2:30 am

Tgt Ion:164 Resp: 238577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 79.2 | 64.4 | 124.4 |
| 168 | 63.1 | 31.2 | 91.2 |
| 131 | 74.9 | 60.5 | 120.5 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/24/24 18:00

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 17:26:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

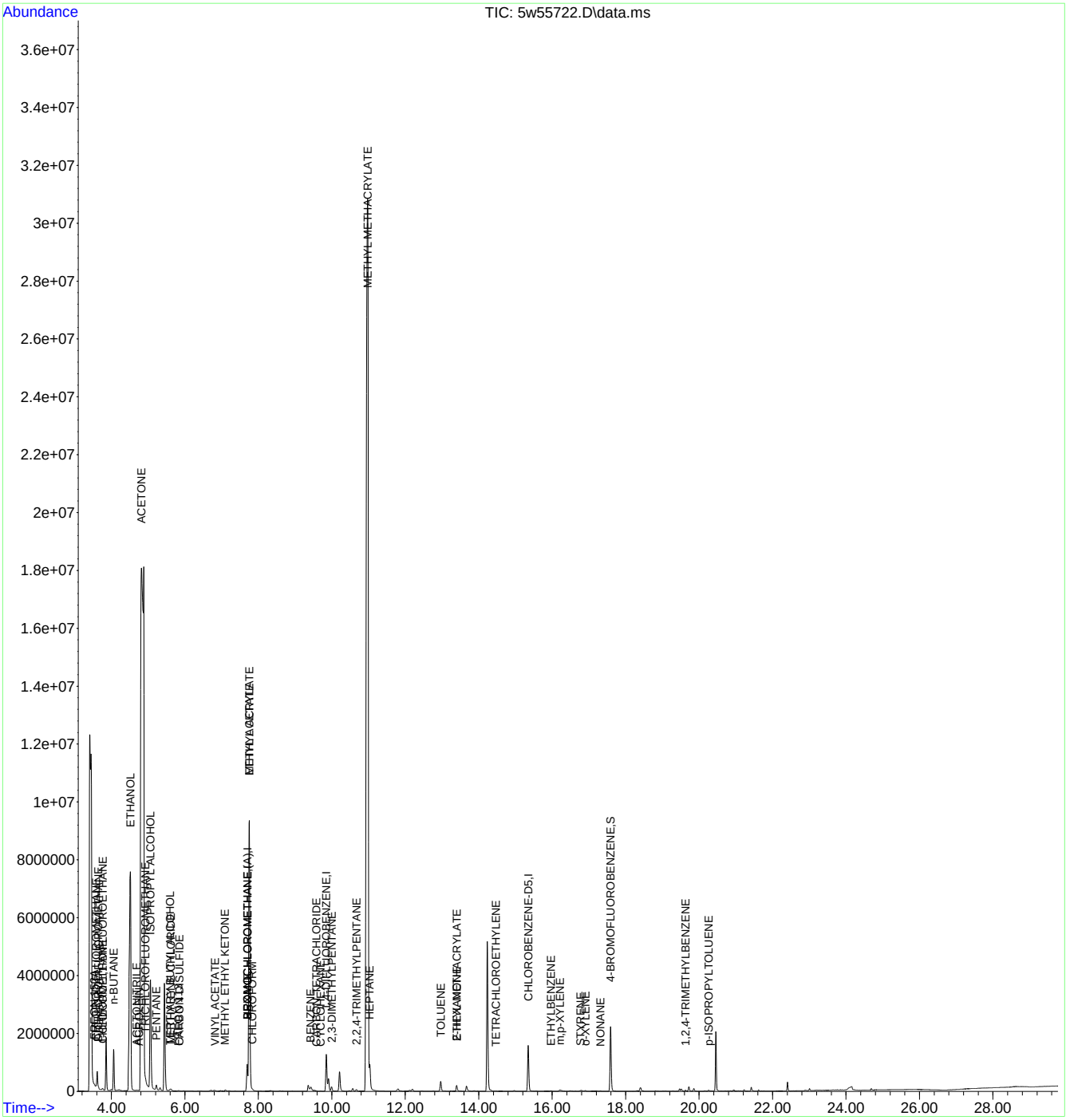
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.700 | 128 | 233544 | 10.00 | PPBV | | 0.03 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1103107 | 10.00 | PPBV | | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 630888 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.700 | 128 | 233544 | 10.00 | PPBV | | 0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 832273 | 11.79 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 117.90% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 20873 | 1.21 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6699 | 0.75 | PPBV | | 90 |
| 6) DICHLORODIFLUOROMETHANE | 3.644 | 85 | 54343 | 0.64 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 20475 | 0.23 | PPBV | # | 18 |
| 10) CHLOROMETHANE | 3.766 | 52 | 9160 | 0.83 | PPBV | | 97 |
| 13) n-BUTANE | 4.060 | 43 | 1214830 | 24.35 | PPBV | | 94 |
| 17) ACETONITRILE | 4.690 | 41 | 22667 | 0.79 | PPBV | # | 91 |
| 18) ACROLEIN | 4.745 | 56 | 21740 | 1.73 | PPBV | | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.928 | 101 | 58757 | 0.74 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.063 | 45 | 5404666 | 108.15 | PPBV | | 93 |
| 23) ACETONE | 4.818 | 58 | 23949205 | 1271.44 | PPBV | # | 47 |
| 24) PENTANE | 5.222 | 42 | 74935 | 3.02 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 12393 | 0.18 | PPBV | | 75 |
| 28) ETHANOL | 4.512 | 45 | 12661202 | 691.31 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 5.626 | 84 | 19807 | 0.81 | PPBV | | 93 |
| 33) FREON 113 | 5.815 | 151 | 3992 | 0.10 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.589 | 59 | 42686 | 0.91 | PPBV | # | 1 |
| 38) HEXANE | 7.700 | 57 | 31629 | 0.86 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.825 | 86 | 2444 | 0.58 | PPBV | # | 1 |
| 41) METHYL ETHYL KETONE | 7.094 | 72 | 17203 | 1.70 | PPBV | # | 79 |
| 44) ETHYL ACETATE | 7.755 | 61 | 1865597 | 249.64 | PPBV | # | 76 |
| 45) METHYL ACRYLATE | 7.748 | 55 | 13329 | 0.30 | PPBV | # | 15 |
| 46) CHLOROFORM | 7.840 | 83 | 27489 | 0.46 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.578 | 117 | 8431 | 0.13 | PPBV | | 90 |
| 52) BENZENE | 9.419 | 78 | 67367 | 0.84 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.688 | 84 | 3732 | 0.12 | PPBV | # | 41 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 26677 | 1.65 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 33439 | 0.28 | PPBV | # | 41 |
| 62) HEPTANE | 11.034 | 43 | 835842m | 19.71 | PPBV | | |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 23744079 | 893.28 | PPBV | | 88 |
| 66) TOLUENE | 12.967 | 92 | 171422 | 3.07 | PPBV | | 99 |
| 71) 2-HEXANONE | 13.401 | 58 | 6660 | 0.22 | PPBV | # | 78 |
| 72) ETHYL METHACRYLATE | 13.395 | 69 | 125679 | 2.88 | PPBV | | 87 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 1898 | 0.05 | PPBV | | 80 |
| 79) ETHYLBENZENE | 15.965 | 91 | 20227 | 0.17 | PPBV | | 92 |
| 80) m,p-XYLENE | 16.215 | 106 | 19843 | 0.45 | PPBV | | 92 |
| 81) o-XYLENE | 16.907 | 106 | 7810 | 0.18 | PPBV | | 83 |
| 82) STYRENE | 16.766 | 104 | 11394 | 0.19 | PPBV | | 94 |
| 83) NONANE | 17.304 | 43 | 9905 | 0.17 | PPBV | # | 79 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 13239 | 0.12 | PPBV | # | 38 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 3765 | 0.12 | PPBV | | 88 |

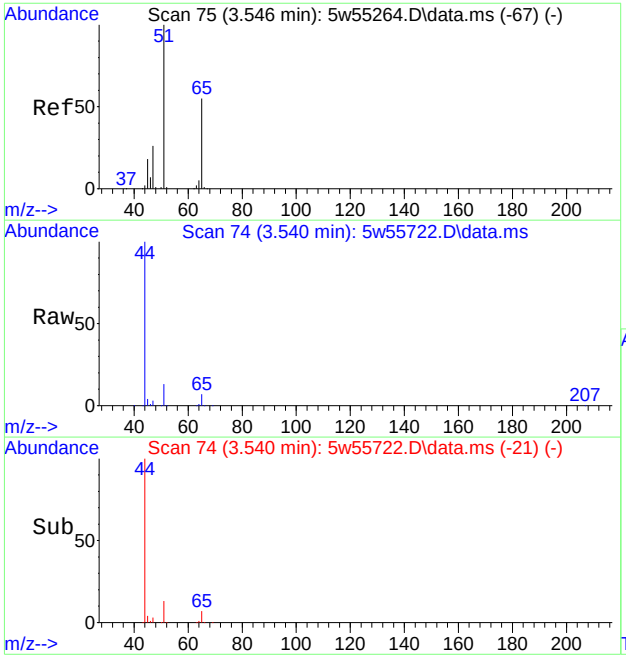
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 24 17:26:24 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

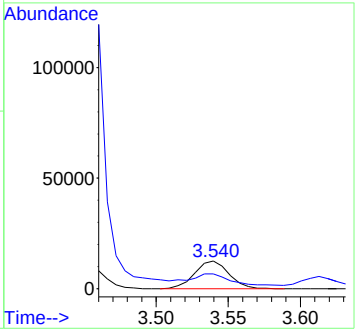


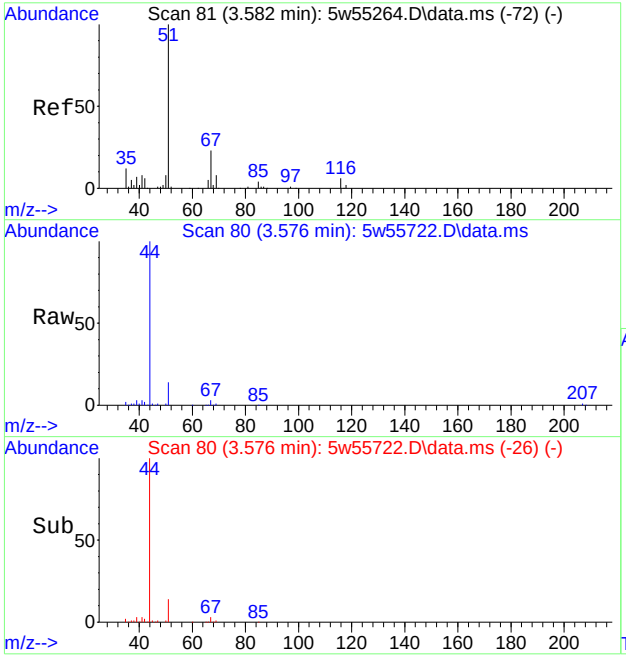



#3
FREON 152A
Concen: 1.21 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 65 Resp: 20873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 39.4 | 1.8 | 61.8 |

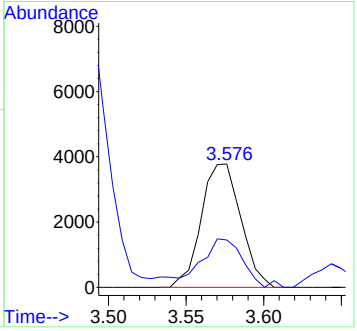


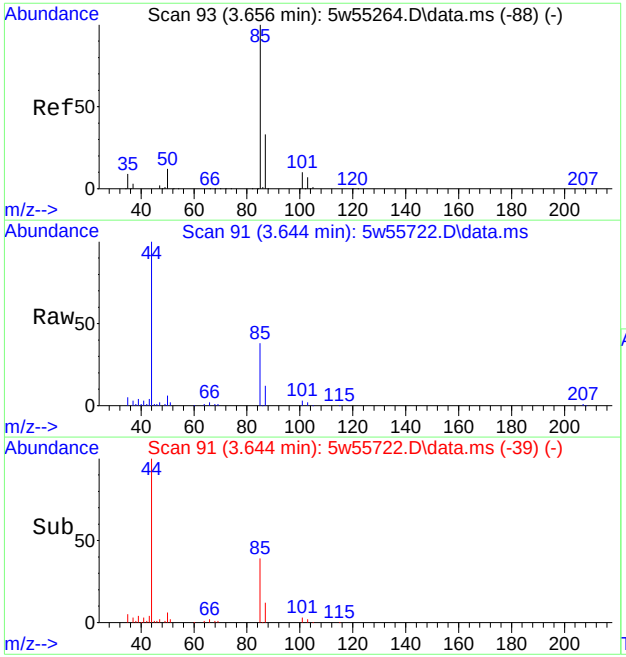




#4
CHLORODIFLUOROMETHANE
Concen: 0.75 PPBV
RT: 3.576 min Scan# 80
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 67 Resp: 6699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 38.4 | 2.9 | 62.9 |

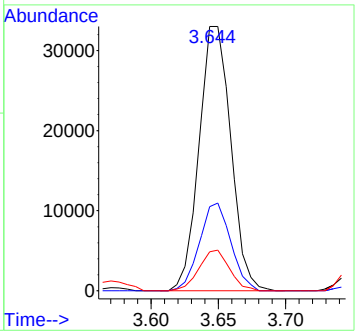


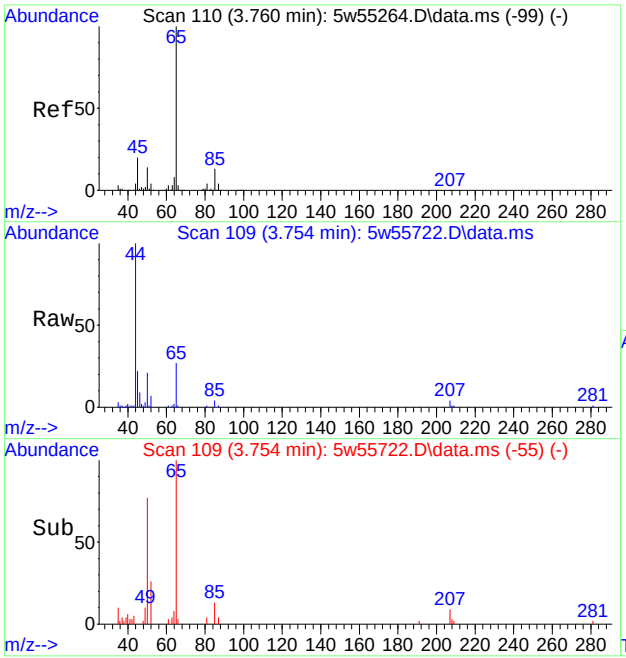



#6
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 3.644 min Scan# 91
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 85 Resp: 54343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 2.6 | 62.6 |
| 50 | 14.8 | 0.0 | 43.0 |

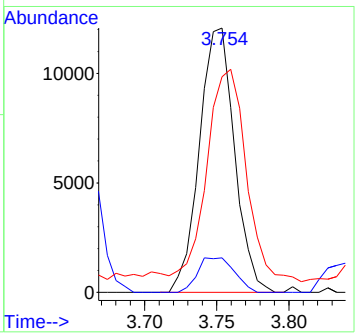


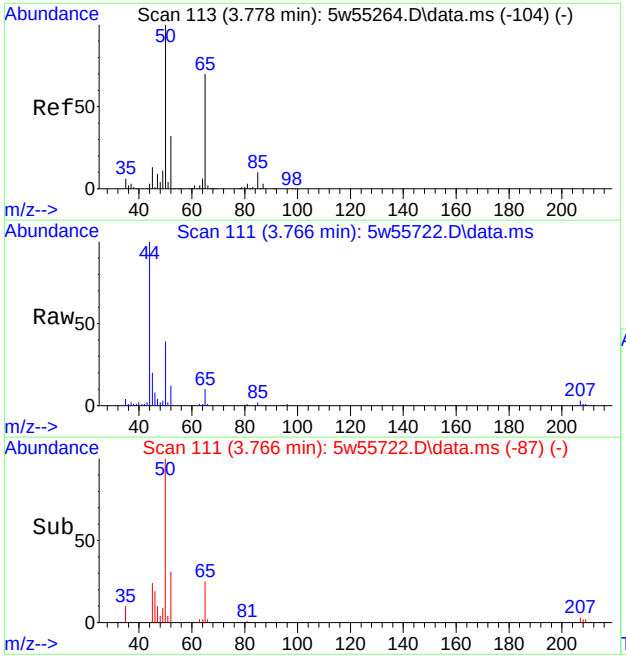




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 0.23 PPBV
RT: 3.754 min Scan# 109
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 65 Resp: 20475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 13.8 | 10.1 | 18.7 |
| 45 | 87.0 | 15.9 | 29.5# |

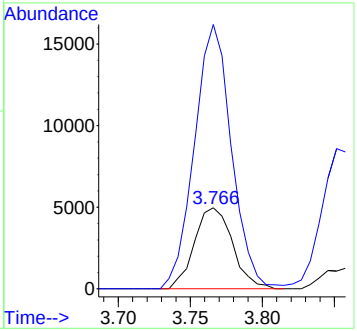


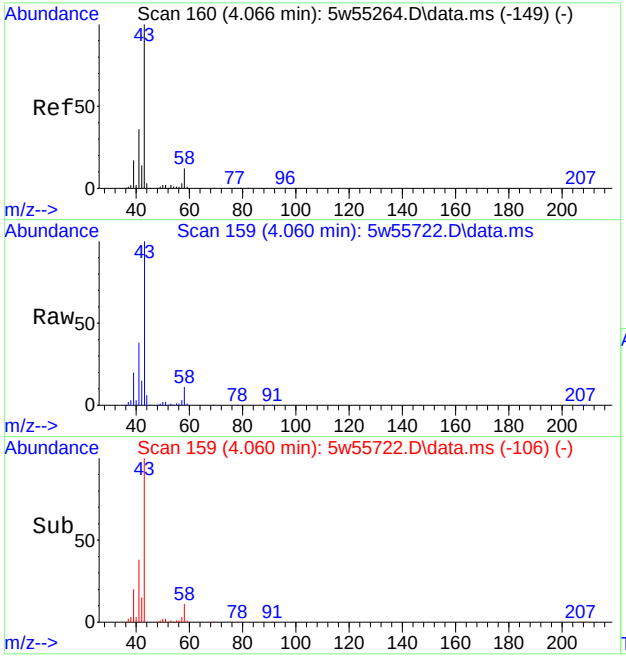



#10
CHLOROMETHANE
Concen: 0.83 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 52 Resp: 9160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 323.9 | 287.9 | 347.9 |

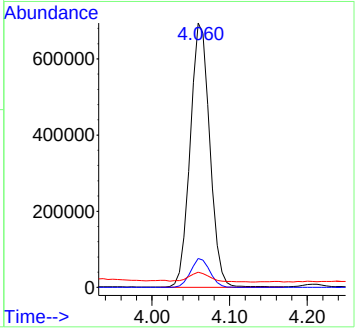


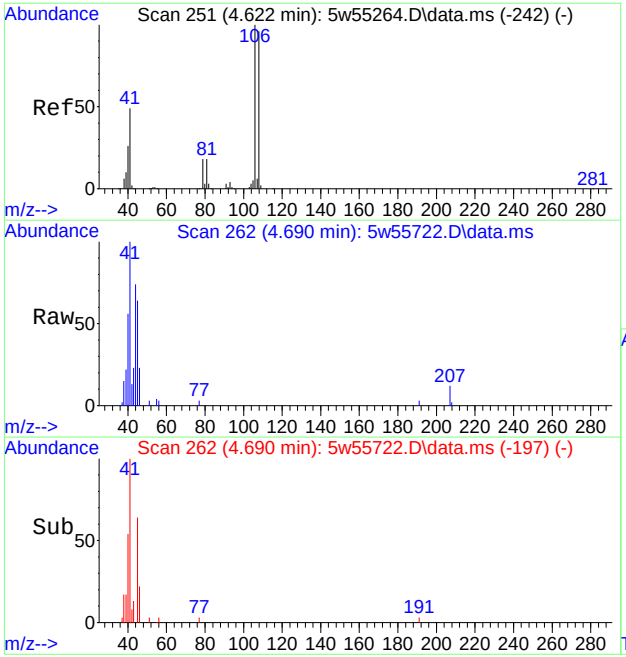




#13
n-BUTANE
Concen: 24.35 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 1214830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 9.9 | 0.0 | 34.7 |

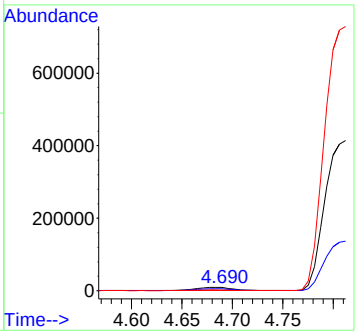


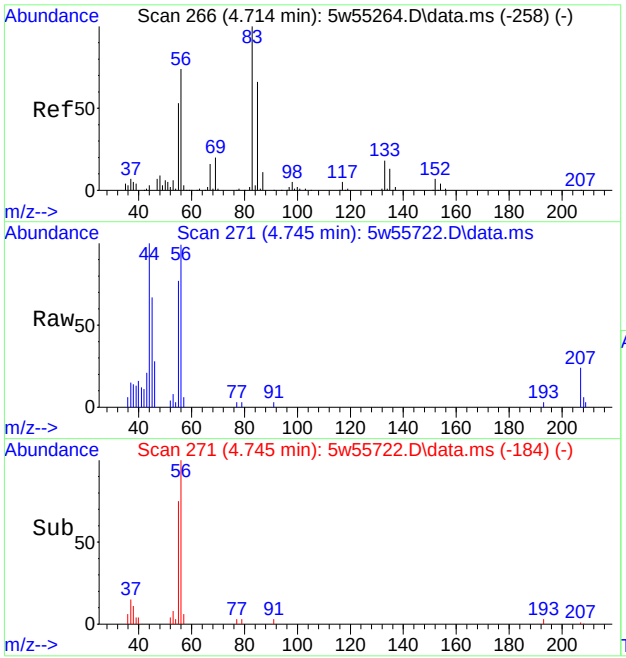



#17
ACETONITRILE
Concen: 0.79 PPBV
RT: 4.690 min Scan# 262
Delta R.T. 0.067 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 41 Resp: 22667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 57.9 | 38.4 | 71.4 |
| 39 | 30.7 | 13.7 | 25.5# |

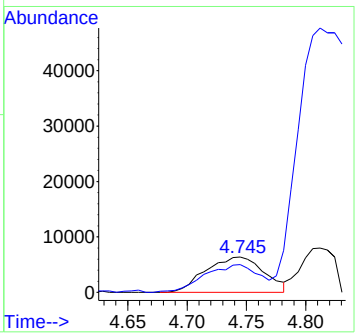


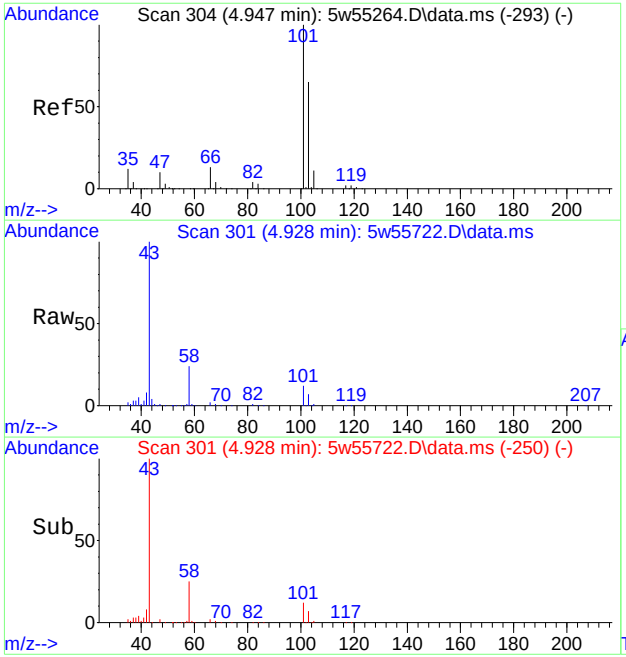




#18
ACROLEIN
Concen: 1.73 PPBV
RT: 4.745 min Scan# 271
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 56 Resp: 21740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.3 | 49.8 | 92.6 |

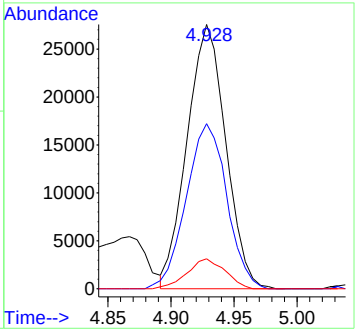


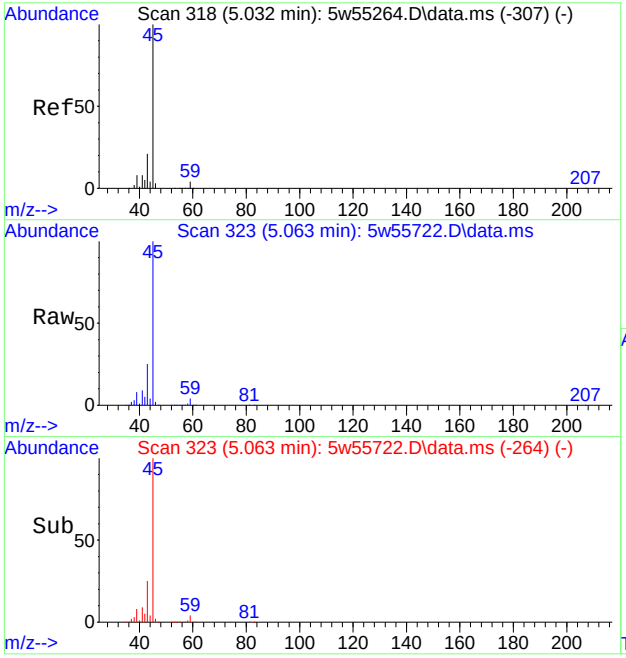



#21
TRICHLOROFLUOROMETHANE
Concen: 0.74 PPBV
RT: 4.928 min Scan# 301
Delta R.T. -0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:101 Resp: 58757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 34.7 | 94.7 |
| 105 | 11.2 | 0.0 | 40.5 |

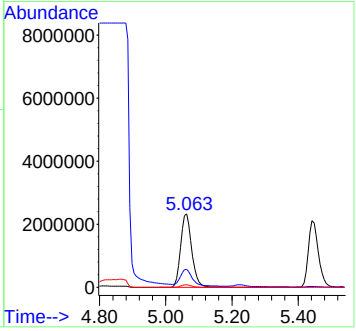


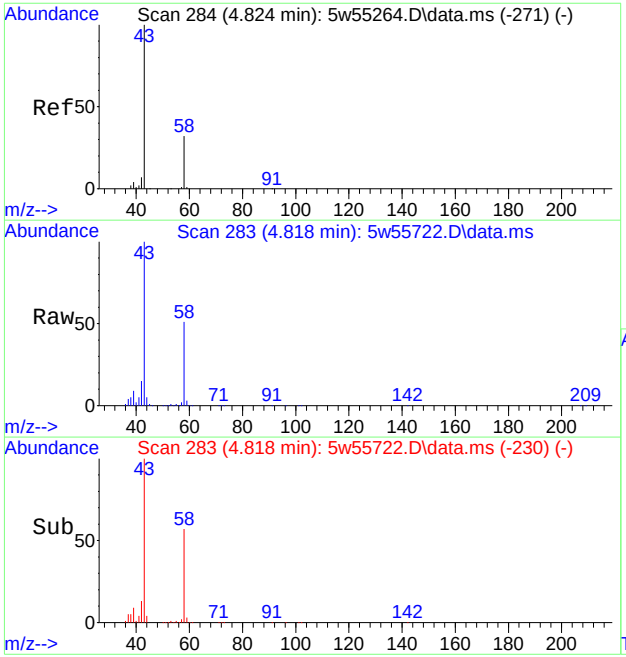




#22
ISOPROPYL ALCOHOL
Concen: 108.15 PPBV
RT: 5.063 min Scan# 323
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 45 Resp: 5404666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 24.6 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

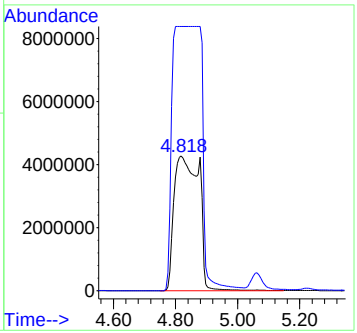


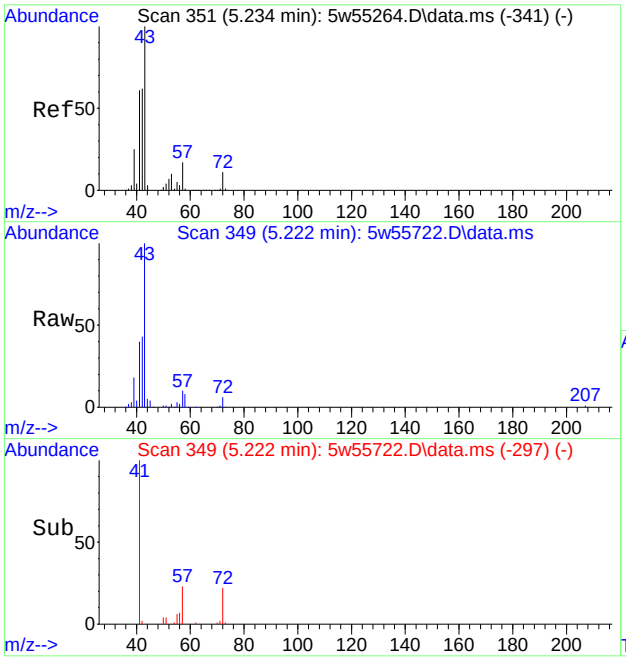



#23
ACETONE
Concen: 1271.44 PPBV
RT: 4.818 min Scan# 283
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 58 Resp:23949205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 228.9 | 312.3 | 372.3# |

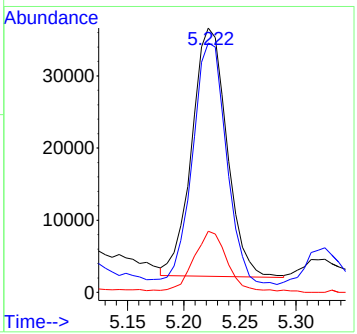


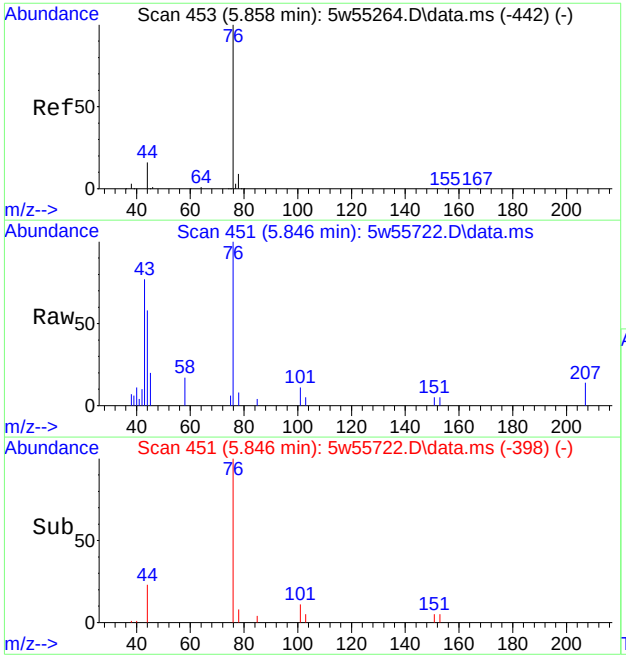




#24
PENTANE
Concen: 3.02 PPBV
RT: 5.222 min Scan# 349
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 42 Resp: 74935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 94.3 | 64.4 | 124.4 |
| 57 | 24.1 | 0.0 | 55.0 |

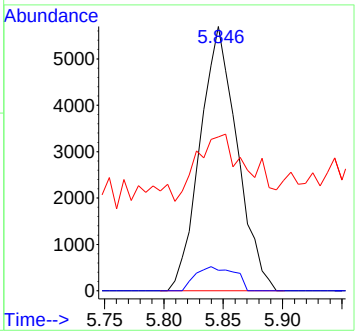


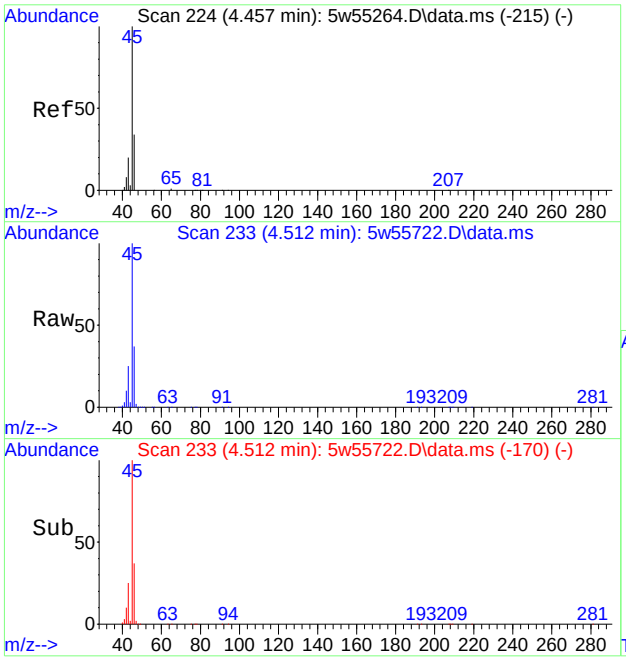



#27
CARBON DISULFIDE
Concen: 0.18 PPBV
RT: 5.846 min Scan# 451
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 76 Resp: 12393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 0.0 | 41.5 |
| 44 | 33.6 | 0.0 | 47.2 |

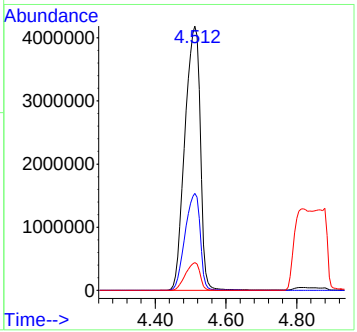


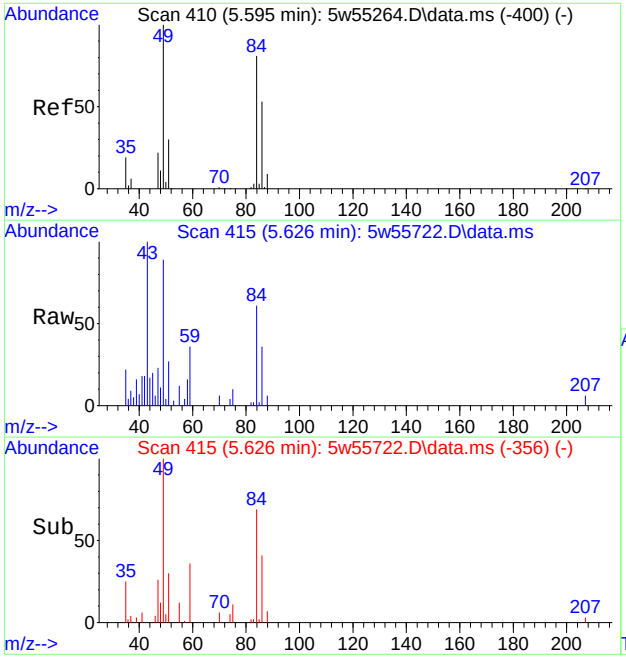




#28
ETHANOL
Concen: 691.31 PPBV
RT: 4.512 min Scan# 233
Delta R.T. 0.055 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 45 Resp:12661202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 36.1 | 4.5 | 64.5 |
| 42 | 10.0 | 0.0 | 38.6 |

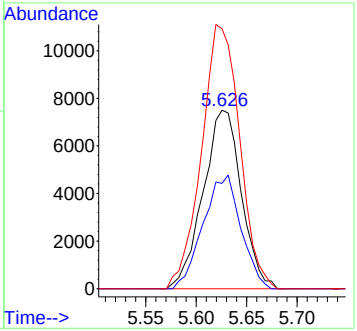


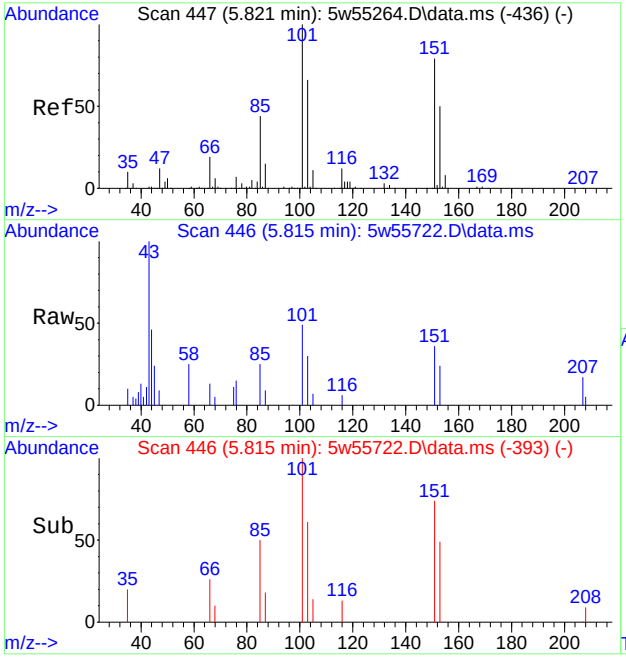



#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 84 Resp: 19807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.8 | 34.0 | 94.0 |
| 49 | 147.4 | 105.8 | 165.8 |

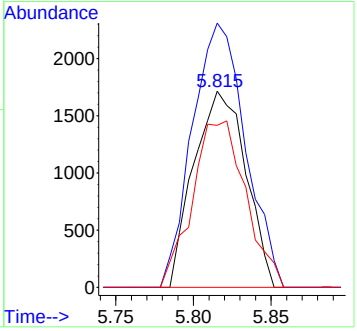


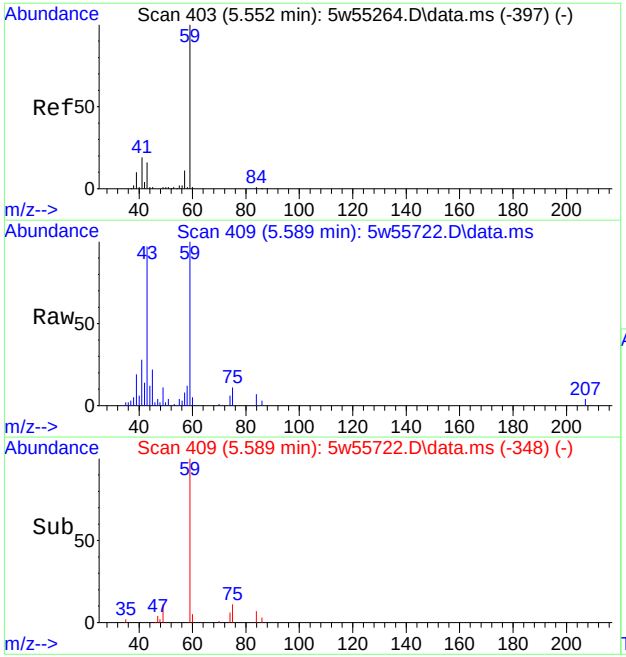




#33
FREON 113
Concen: 0.10 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:151 Resp: 3992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 137.9 | 112.2 | 172.2 |
| 103 | 86.8 | 62.0 | 122.0 |

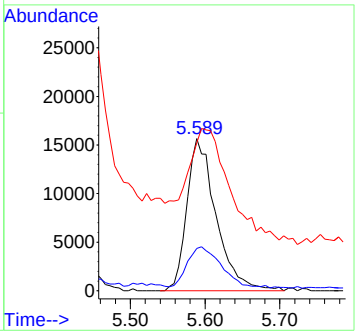


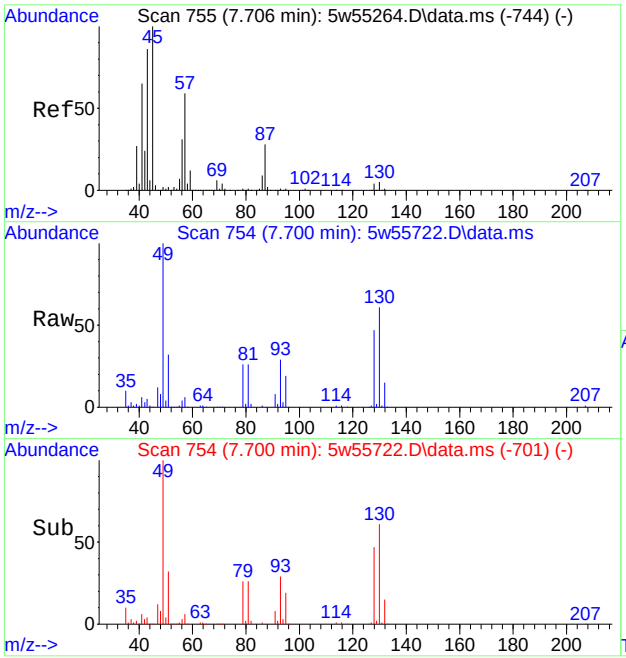



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.91 PPBV
RT: 5.589 min Scan# 409
Delta R.T. 0.043 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 59 Resp: 42686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 43.5 | 0.0 | 53.1 |
| 43 | 147.8 | 0.0 | 47.1# |

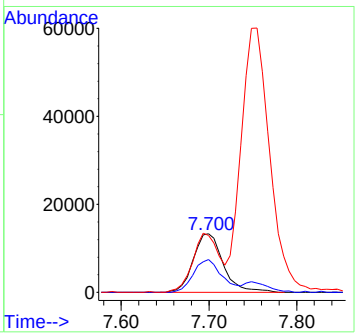


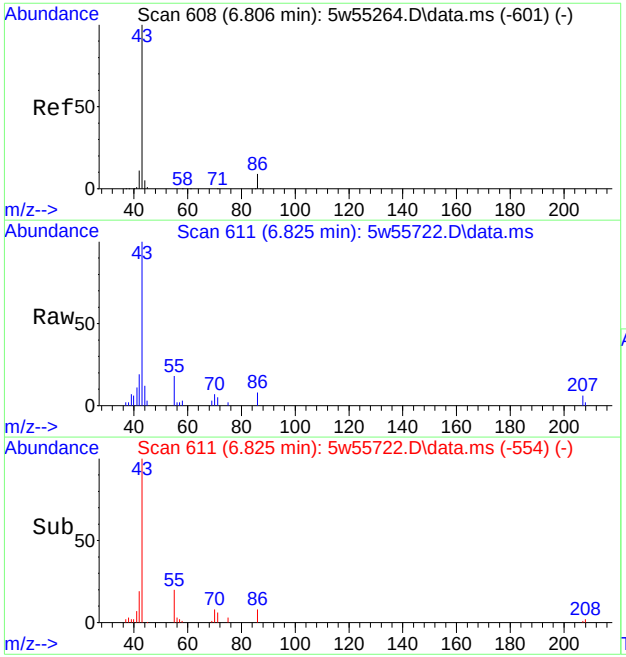




#38
HEXANE
Concen: 0.86 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 57 Resp: 31629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 54.2 | 24.2 | 84.2 |
| 41 | 88.9 | 92.1 | 152.1# |

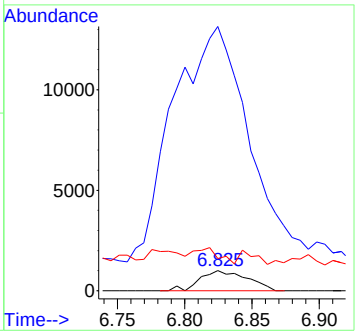


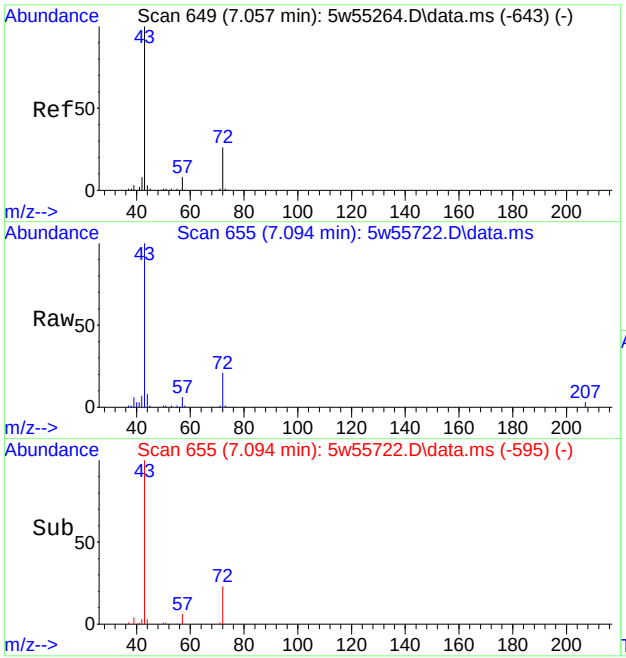



#39
VINYL ACETATE
Concen: 0.58 PPBV
RT: 6.825 min Scan# 611
Delta R.T. 0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 86 Resp: 2444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1936.6 | 1335.5 | 1395.5# |
| 44 | 41.6 | 40.9 | 100.9 |

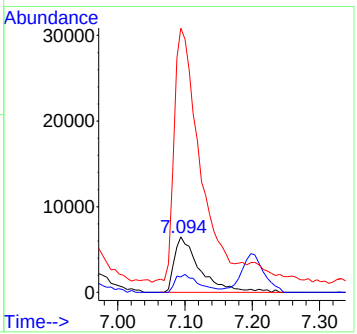


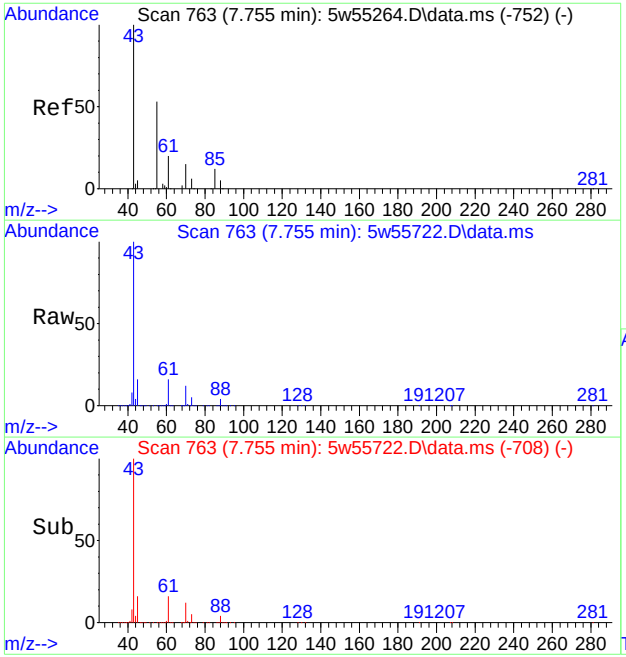




#41
METHYL ETHYL KETONE
Concen: 1.70 PPBV
RT: 7.094 min Scan# 655
Delta R.T. 0.037 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 72 Resp: 17203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 28.0 | 1.1 | 61.1 |
| 43 | 476.0 | 390.6 | 450.6# |

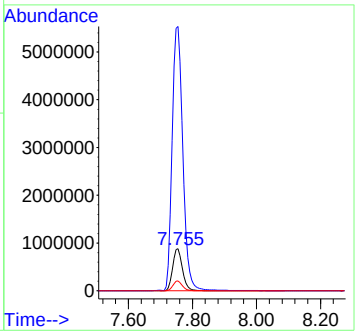


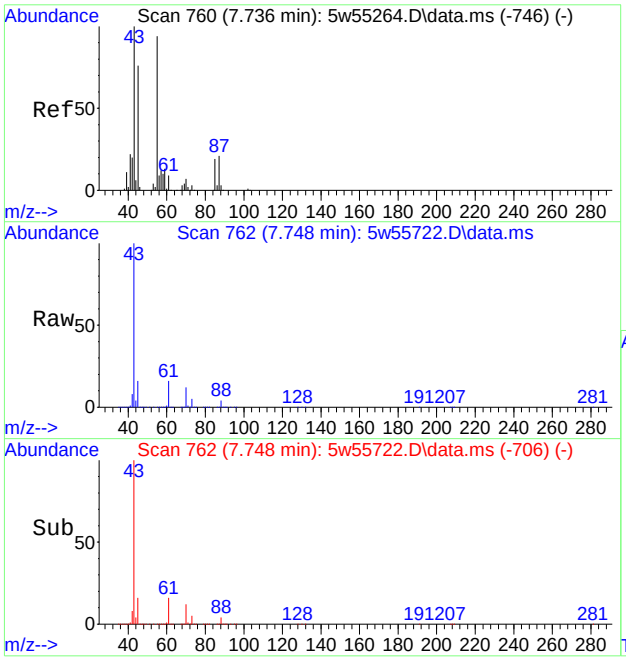



#44
ETHYL ACETATE
Concen: 249.64 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 61 Resp: 1865597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 689.9 | 0.0 | 30.0# |
| 88 | 22.8 | 7.3 | 67.3 |

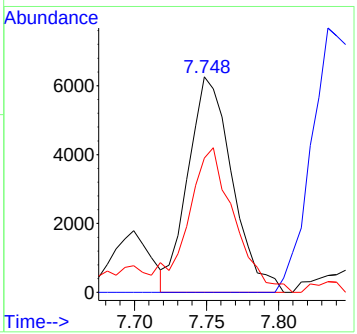


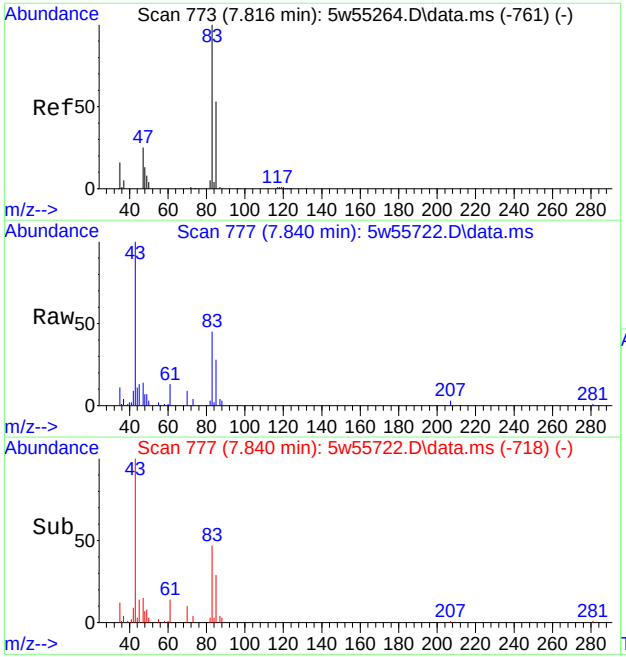




#45
METHYL ACRYLATE
Concen: 0.30 PPBV
RT: 7.748 min Scan# 762
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 55 Resp: 13329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 11.4 | 21.2# |
| 58 | 70.4 | 9.7 | 17.9# |

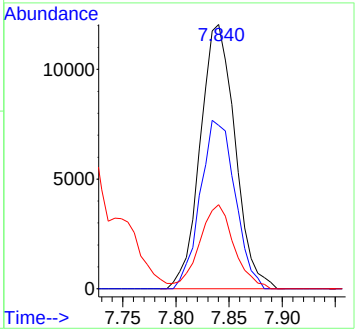


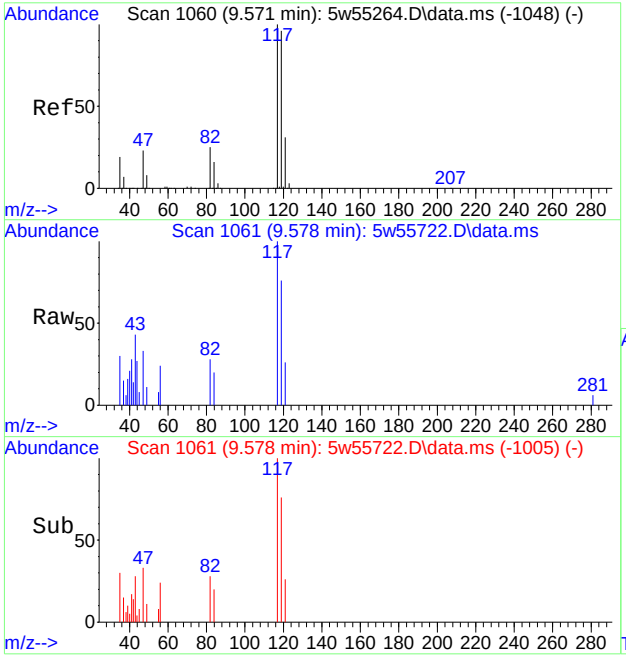



#46
CHLOROFORM
Concen: 0.46 PPBV
RT: 7.840 min Scan# 777
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 83 Resp: 27489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 35.5 | 95.5 |
| 47 | 31.4 | 0.0 | 56.8 |

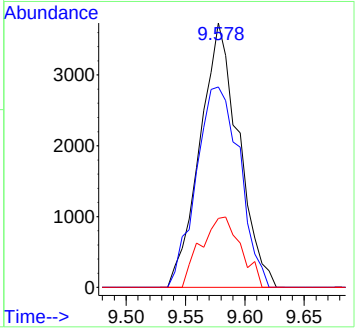


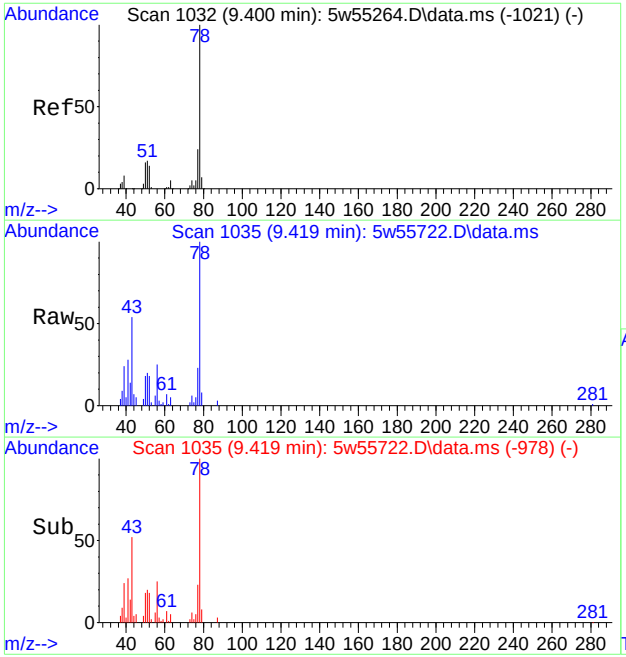




#49
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 9.578 min Scan# 1061
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:117 Resp: 8431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 85.4 | 65.9 | 125.9 |
| 121 | 27.5 | 0.7 | 60.7 |

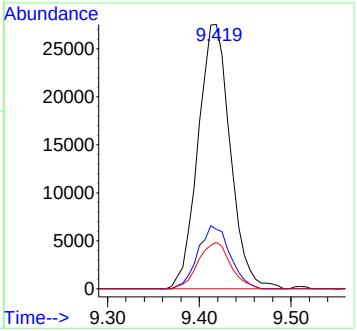


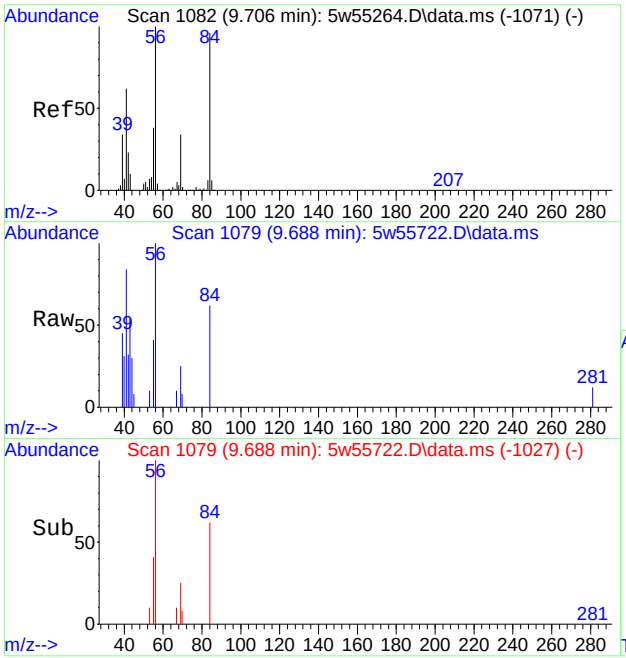



#52
BENZENE
Concen: 0.84 PPBV
RT: 9.419 min Scan# 1035
Delta R.T. 0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 78 Resp: 67367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 0.0 | 54.0 |
| 52 | 17.6 | 0.0 | 45.6 |

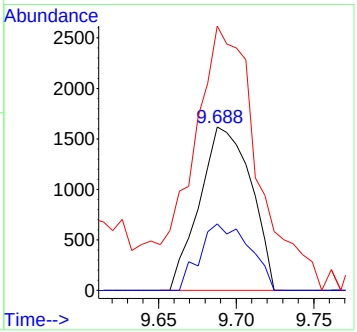


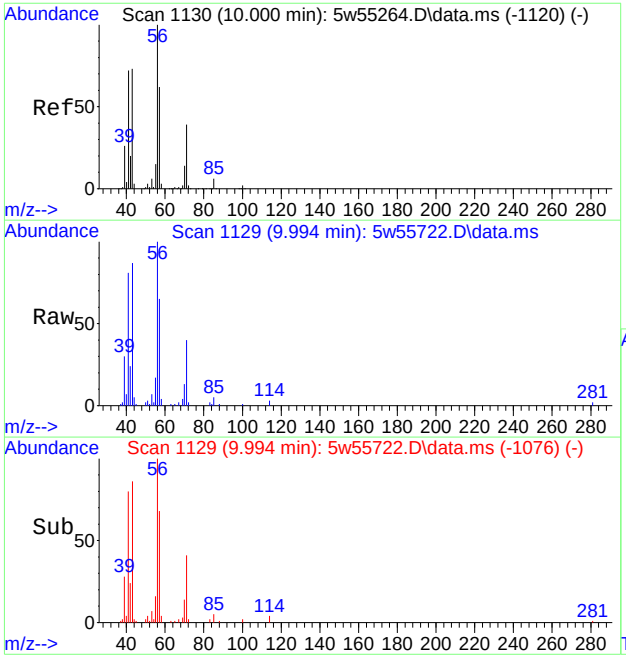




#53
CYCLOHEXANE
Concen: 0.12 PPBV
RT: 9.688 min Scan# 1079
Delta R.T. -0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 84 Resp: 3732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 39.2 | 7.0 | 67.0 |
| 56 | 200.2 | 86.5 | 146.5# |

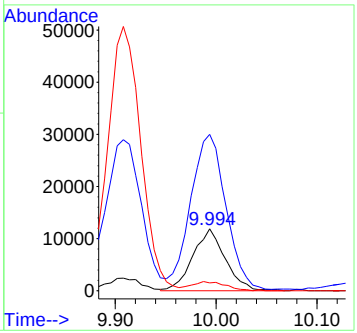


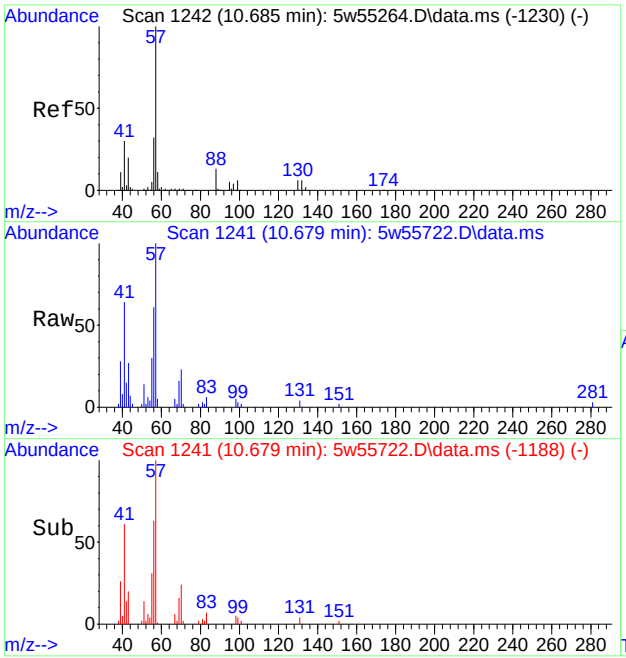



#54
2,3-DIMETHYLPENTANE
Concen: 1.65 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 71 Resp: 26677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 274.4 | 235.4 | 295.4 |
| 85 | 15.9 | 0.0 | 45.3 |

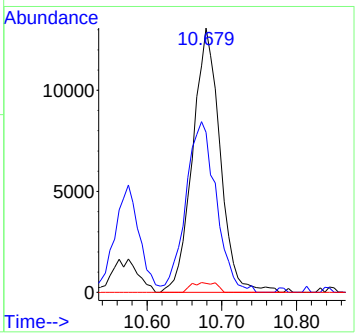


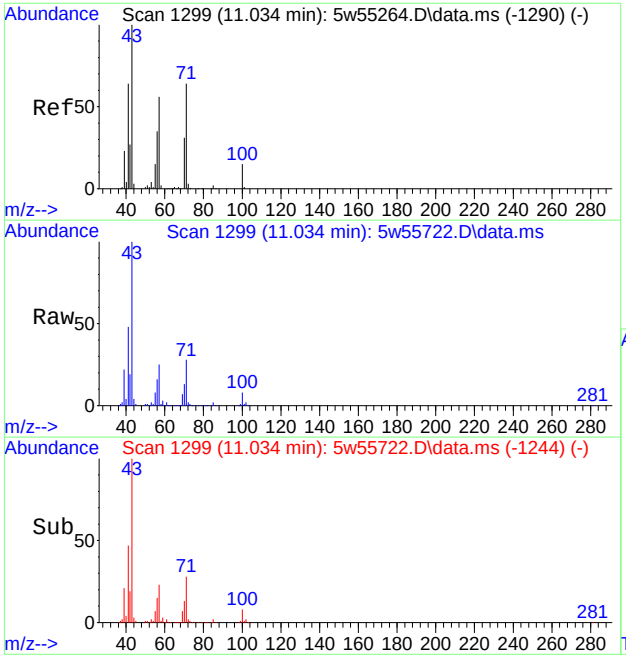




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.28 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 57 Resp: 33439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 71.6 | 2.2 | 62.2# |
| 99 | 3.4 | 0.0 | 37.6 |

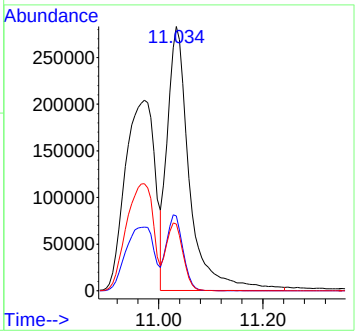


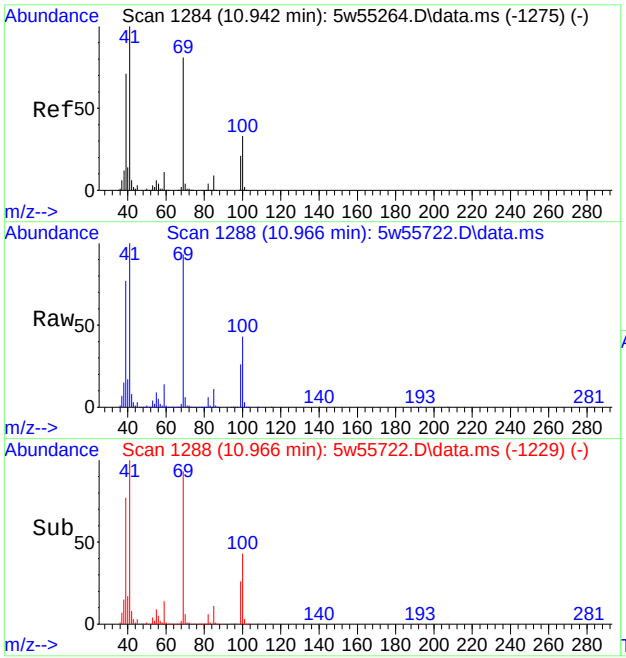



#62
HEPTANE
Concen: 19.71 PPBV m
RT: 11.034 min Scan# 1299
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 835842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 31.2 | 27.2 | 87.2 |
| 57 | 49.8 | 22.5 | 82.5 |

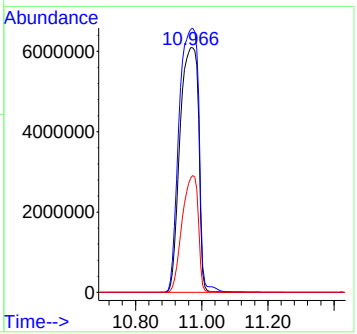


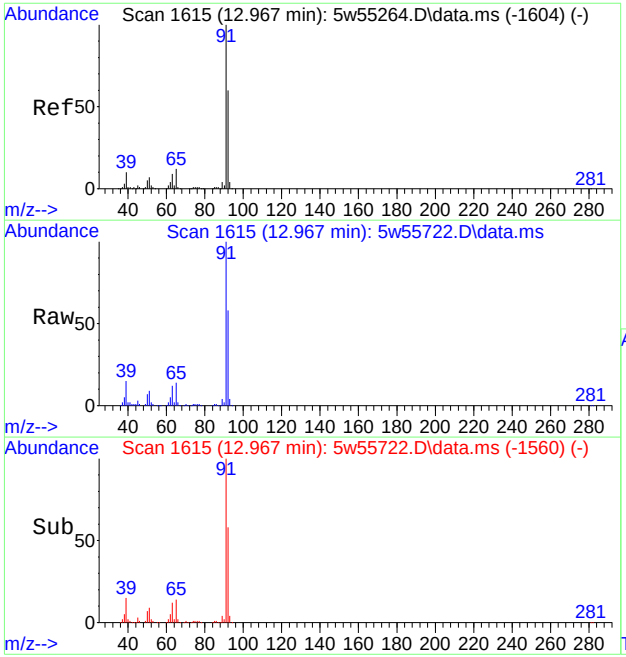




#63
METHYL METHACRYLATE
Concen: 893.28 PPBV
RT: 10.966 min Scan# 1288
Delta R.T. 0.030 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 69 Resp:23744079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 114.5 | 97.3 | 157.3 |
| 100 | 41.5 | 3.0 | 63.0 |

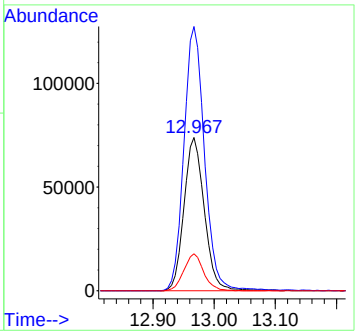


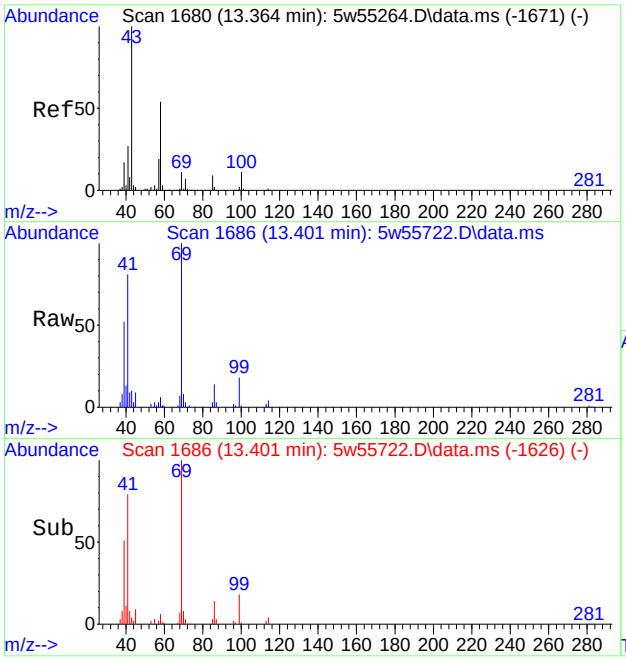



#66
TOLUENE
Concen: 3.07 PPBV
RT: 12.967 min Scan# 1615
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 92 Resp: 171422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 143.4 | 203.4 |
| 65 | 23.4 | 0.0 | 53.8 |

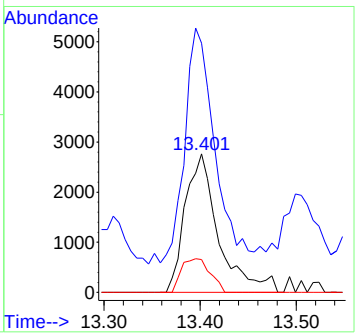


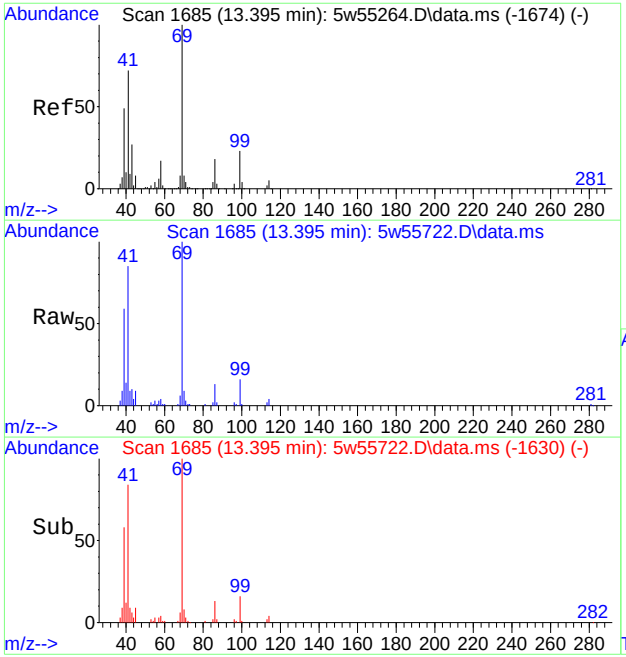




#71
2-HEXANONE
Concen: 0.22 PPBV
RT: 13.401 min Scan# 1686
Delta R.T. 0.037 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 58 Resp: 6660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 155.0 | 159.0 | 219.0# |
| 100 | 21.0 | 0.0 | 47.8 |

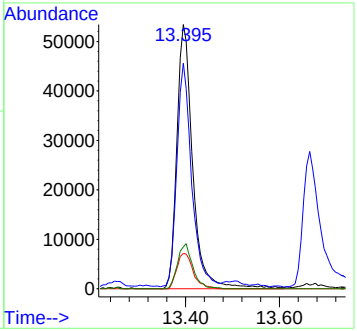


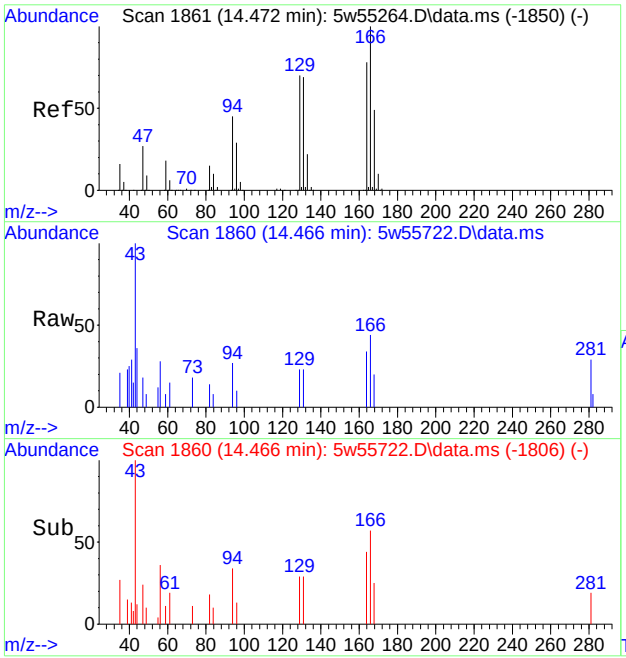



#72
ETHYL METHACRYLATE
Concen: 2.88 PPBV
RT: 13.395 min Scan# 1685
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 69 Resp: 125679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 81.7 | 67.8 | 125.8 |
| 86 | 13.8 | 11.3 | 20.9 |
| 99 | 16.4 | 12.9 | 23.9 |

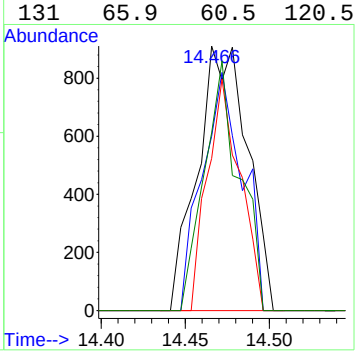


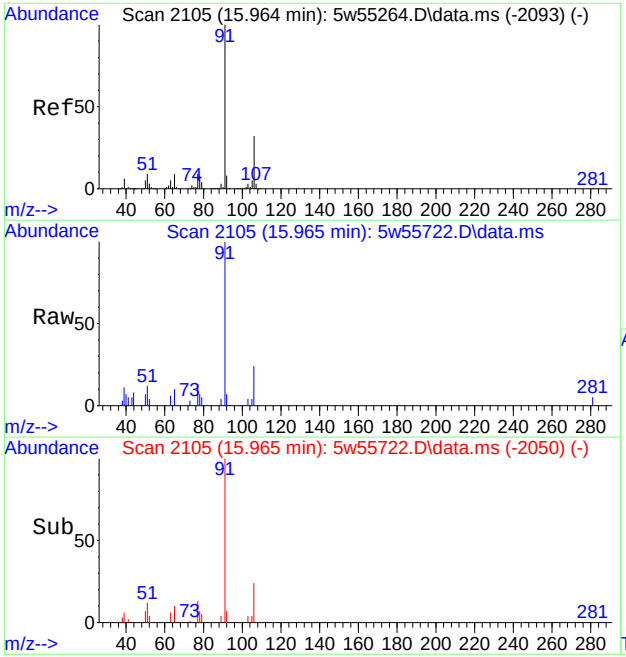




#73
TETRACHLOROETHYLENE
Concen: 0.05 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:164 Resp: 1898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 72.0 | 64.4 | 124.4 |
| 168 | 57.0 | 31.2 | 91.2 |
| 131 | 65.9 | 60.5 | 120.5 |

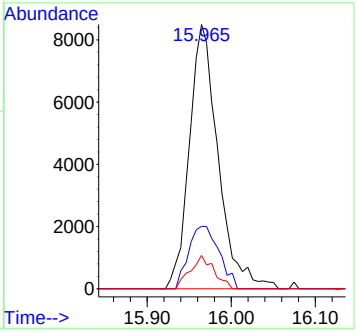


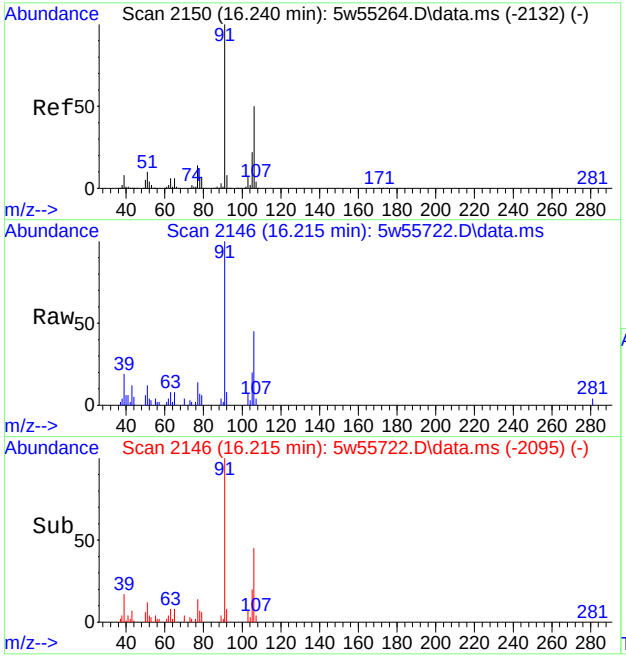



#79
ETHYLBENZENE
Concen: 0.17 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 91 Resp: 20227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.0 | 0.0 | 59.9 |
| 77 | 10.3 | 0.0 | 39.1 |

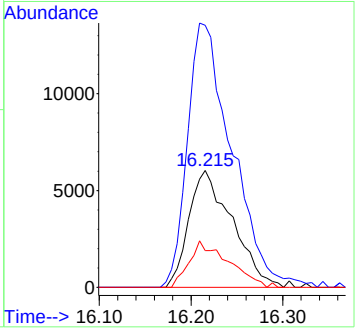


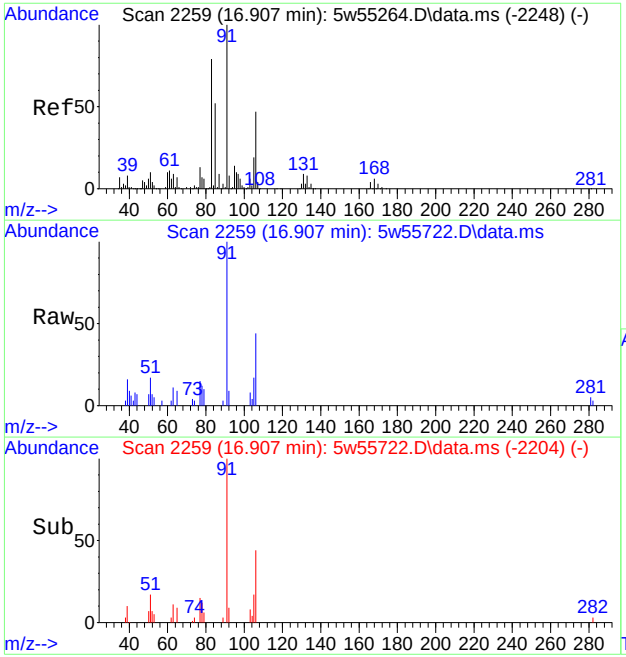




#80
m,p-XYLENE
Concen: 0.45 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:106 Resp: 19843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.2 | 181.2 | 241.2 |
| 77 | 31.6 | 0.1 | 60.1 |

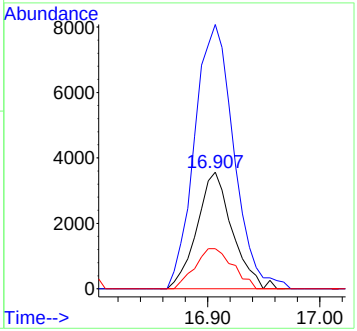


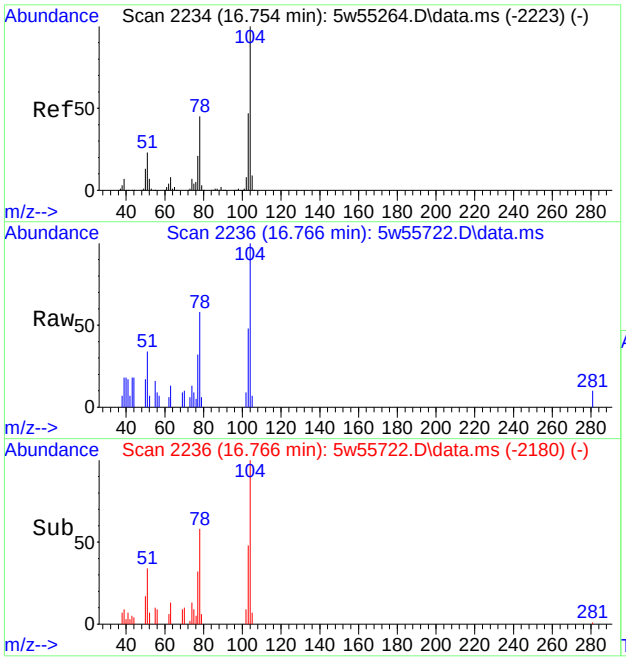



#81
o-XYLENE
Concen: 0.18 PPBV
RT: 16.907 min Scan# 2259
Delta R.T. 0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:106 Resp: 7810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 251.5 | 193.4 | 253.4 |
| 77 | 37.1 | 0.0 | 59.8 |

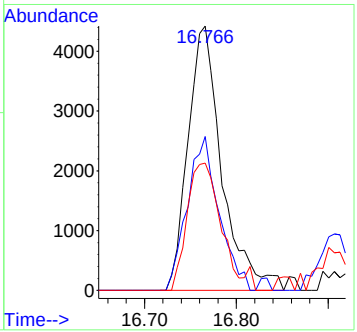


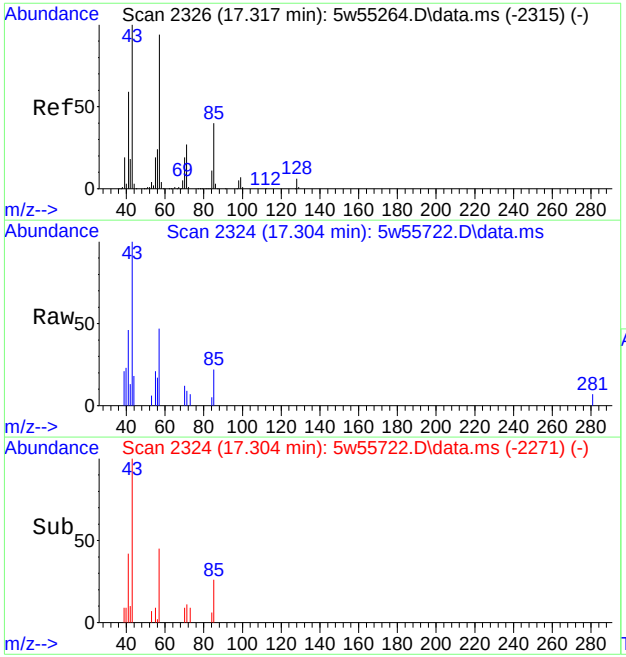




#82
STYRENE
Concen: 0.19 PPBV
RT: 16.766 min Scan# 2236
Delta R.T. 0.012 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:104 Resp: 11394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.4 | 16.5 | 76.5 |
| 103 | 48.6 | 18.1 | 78.1 |

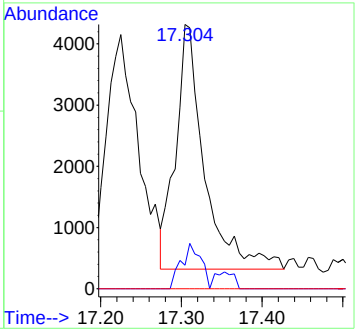


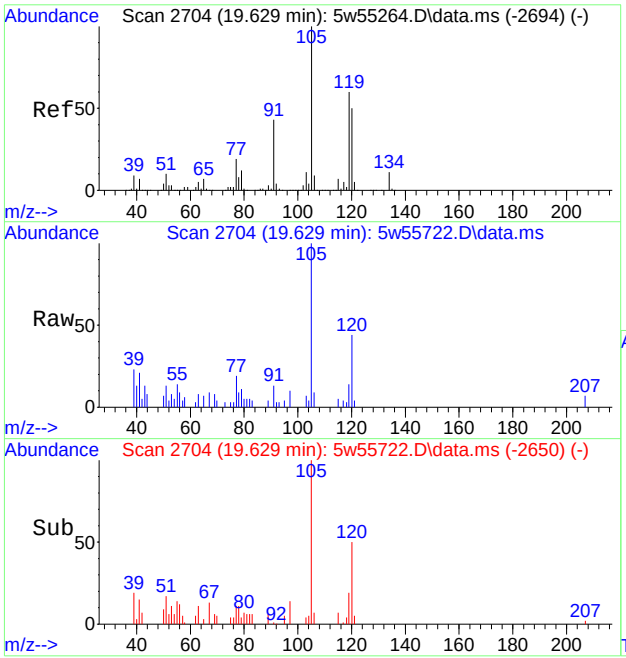



#83
NONANE
Concen: 0.17 PPBV
RT: 17.304 min Scan# 2324
Delta R.T. -0.006 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion: 43 Resp: 9905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 12.6 | 0.0 | 53.8 |
| 128 | 0.0 | 0.0 | 34.3 |

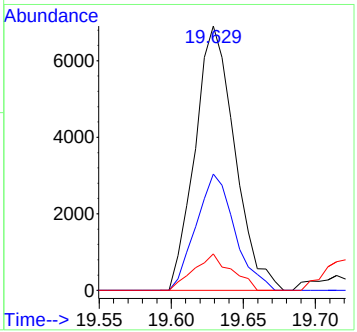


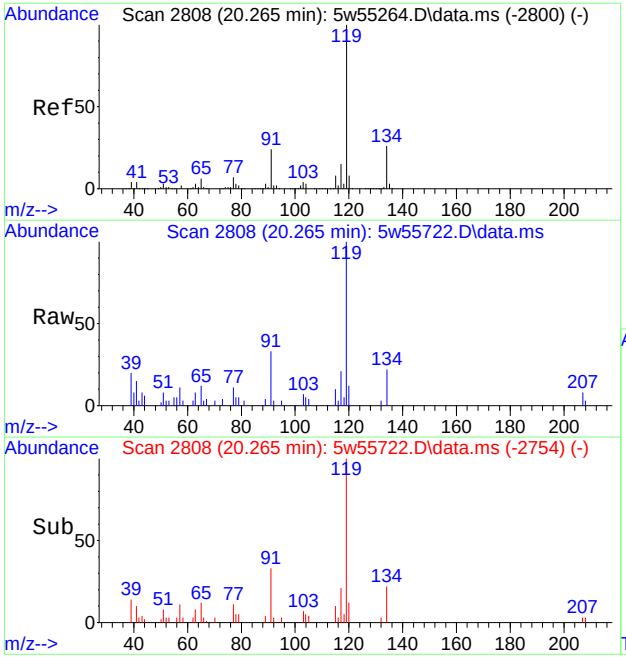




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.12 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:105 Resp: 13239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 22.6 | 82.6 |
| 119 | 13.1 | 69.7 | 129.7# |

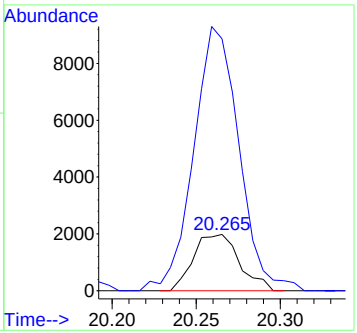





#102
p-ISOPROPYLTOLUENE
Concen: 0.12 PPBV
RT: 20.265 min Scan# 2808
Delta R.T. -0.000 min
Lab File: 5w55722.D
Acq: 18 Dec 2024 1:30 pm

Tgt Ion:134 Resp: 3765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 119 | 463.1 | 403.4 | 463.4 |



# Manual Integration Approval Summary



**Sample Number:** JE2491-2
**Lab FileID:** 5W55722.D
**Injection Time:** 12/18/24 13:30

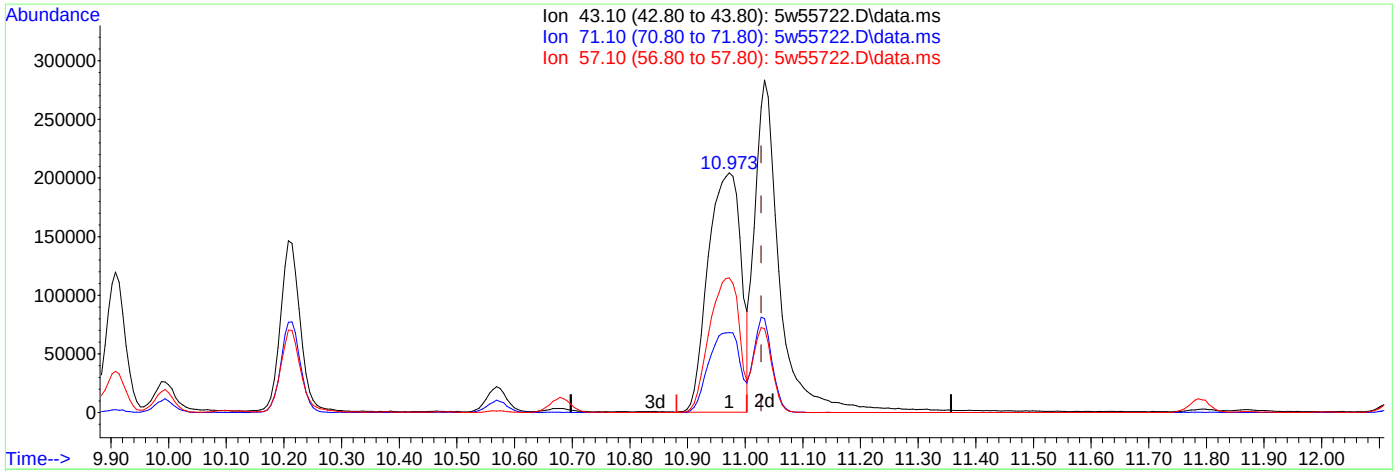
**Method:** TO-15
**Analyst approved:** 12/24/24 17:36 Kanya Veerawat
**Supervisor approved:** 12/24/24 18:00 Kanya Veerawat

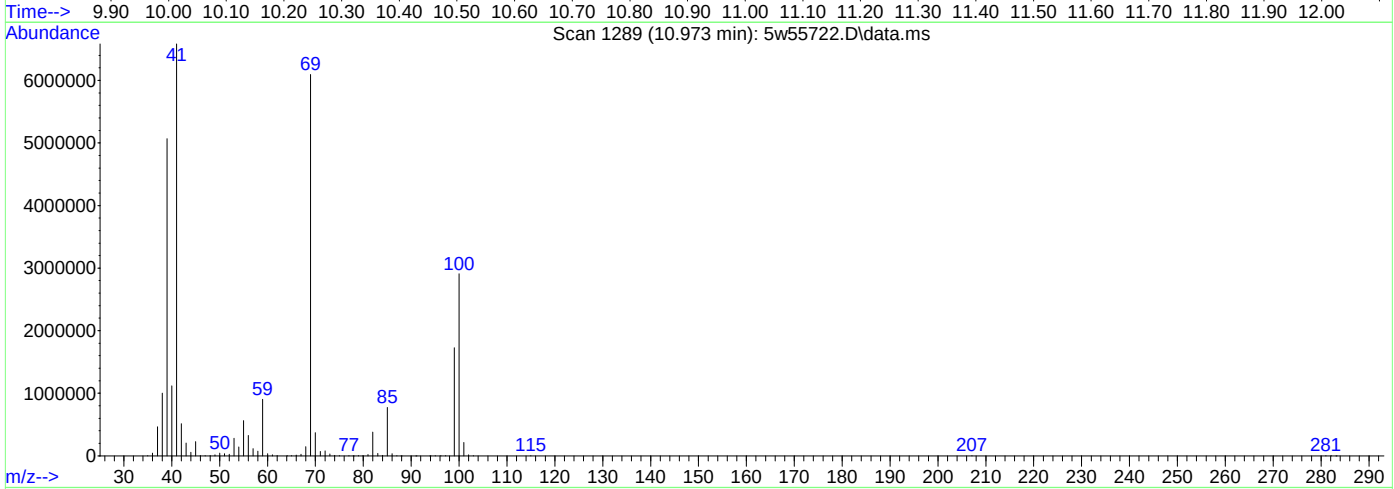
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Heptane | 142-82-5 | | 11.03 | Missed peak |

Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\19 Dec 2024\v5w2133\
Data File : 5w55722.D
Acq On : 18 Dec 2024 1:30 pm
Operator : thomash
Sample : je2491-2
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 18 19:16:54 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55722.D\data.ms

(62) HEPTANE

10.973min (-0.055) 19.11PPBV

response 810259

| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 71.10 | 57.20 | 32.22 |
| 57.10 | 52.50 | 51.38 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55796.D
Acq On : 21 Dec 2024 3:11 am
Operator : thomash
Sample : je2491-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 23 07:54:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

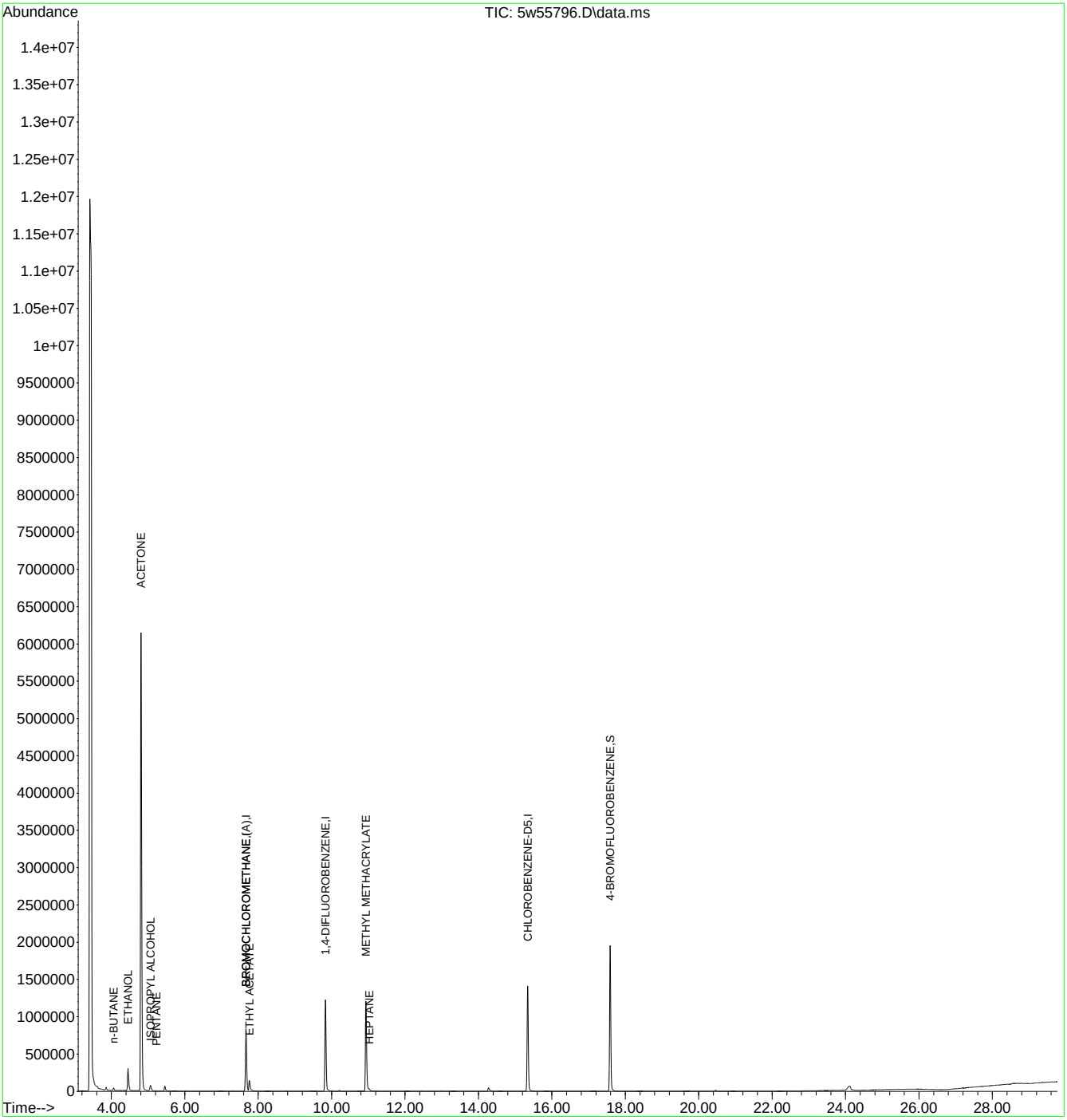
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 214306 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1052666 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 558080 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 214306 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 693592 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) n-BUTANE | 4.060 | 43 | 27245 | 0.5951 | PPBV # | 93 |
| 22) ISOPROPYL ALCOHOL | 5.069 | 45 | 120762 | 2.6335 | PPBV | 83 |
| 23) ACETONE | 4.806 | 58 | 2266719 | 131.1409 | PPBV # | 85 |
| 24) PENTANE | 5.228 | 42 | 2609 | 0.1145 | PPBV | 88 |
| 28) ETHANOL | 4.451 | 45 | 394688 | 23.4847 | PPBV | 99 |
| 44) ETHYL ACETATE | 7.761 | 61 | 27488 | 4.0085 | PPBV # | 76 |
| 62) HEPTANE | 11.021 | 43 | 9307 | 0.2300 | PPBV | 94 |
| 63) METHYL METHACRYLATE | 10.930 | 69 | 543981 | 21.4458 | PPBV | 89 |

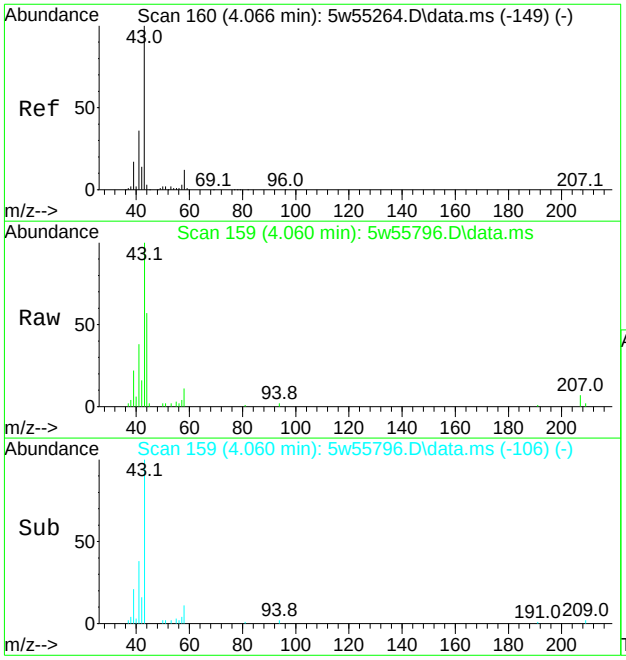
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55796.D
Acq On : 21 Dec 2024 3:11 am
Operator : thomash
Sample : je2491-2 Inst : GCMS5W
Misc : MS88104,V5W2136,10,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 23 07:54:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

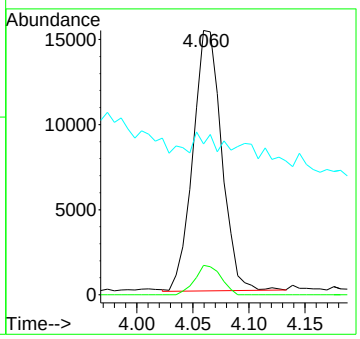


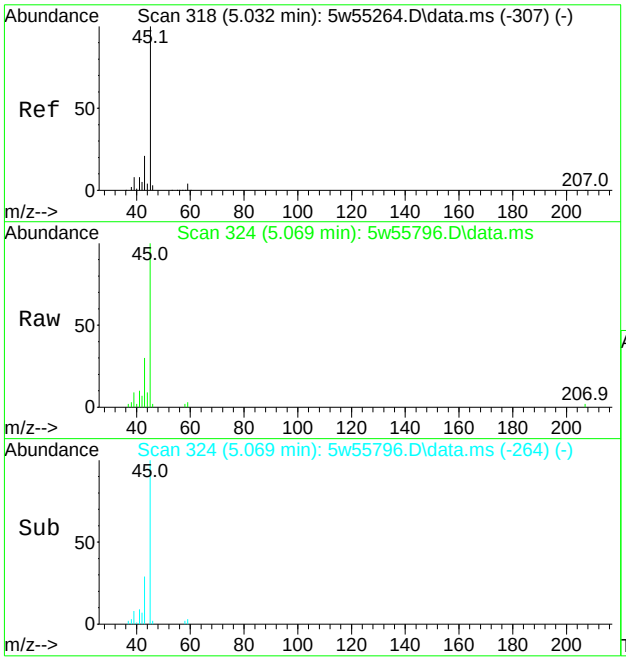



#13
n-BUTANE
Concen: 0.5951 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 43 Resp: 27245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.2 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

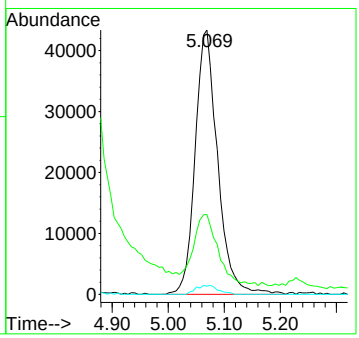


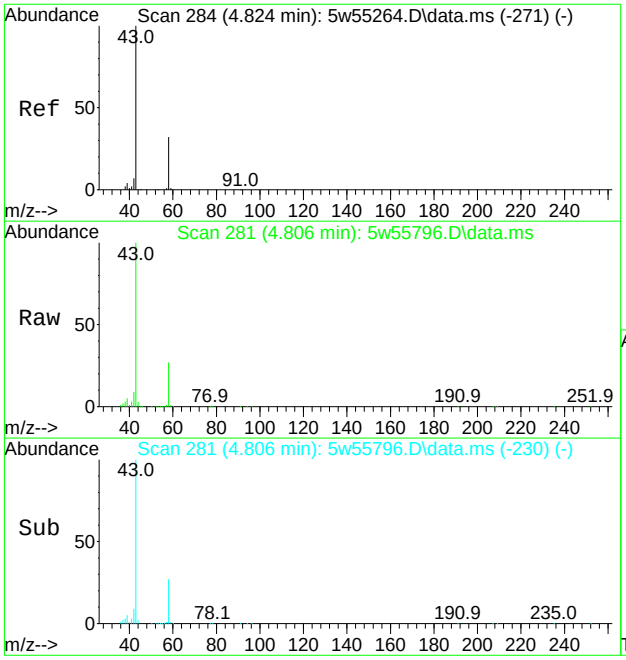




#22
ISOPROPYL ALCOHOL
Concen: 2.6335 PPBV
RT: 5.069 min Scan# 324
Delta R.T. 0.037 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 45 Resp: 120762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 30.2 | 0.0 | 50.8 |
| 59 | 3.1 | 0.0 | 33.8 |

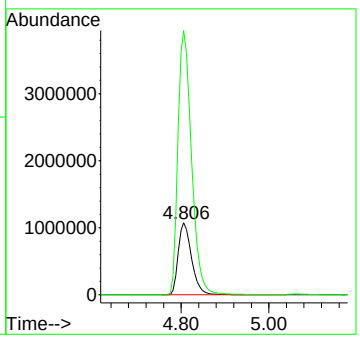


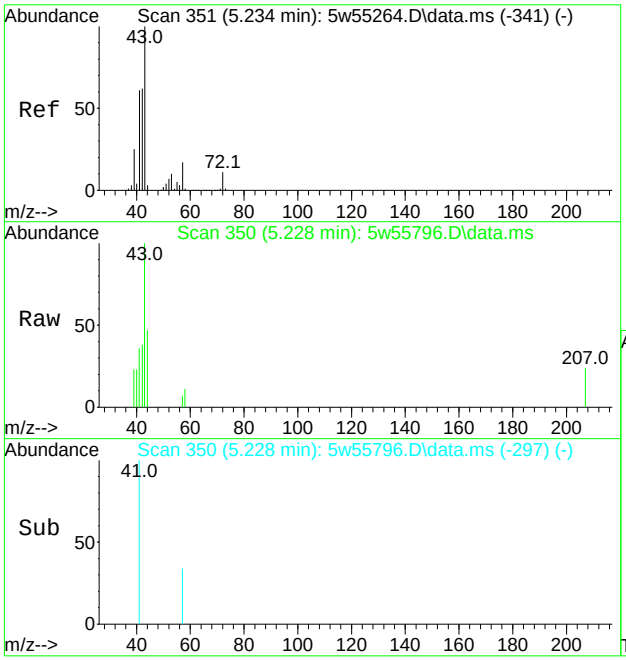



#23
ACETONE
Concen: 131.1409 PPBV
RT: 4.806 min Scan# 281
Delta R.T. -0.018 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 58 Resp: 2266719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 374.5 | 312.3 | 372.3# |

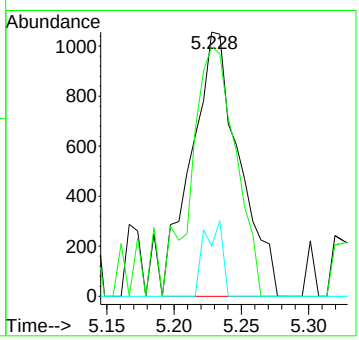


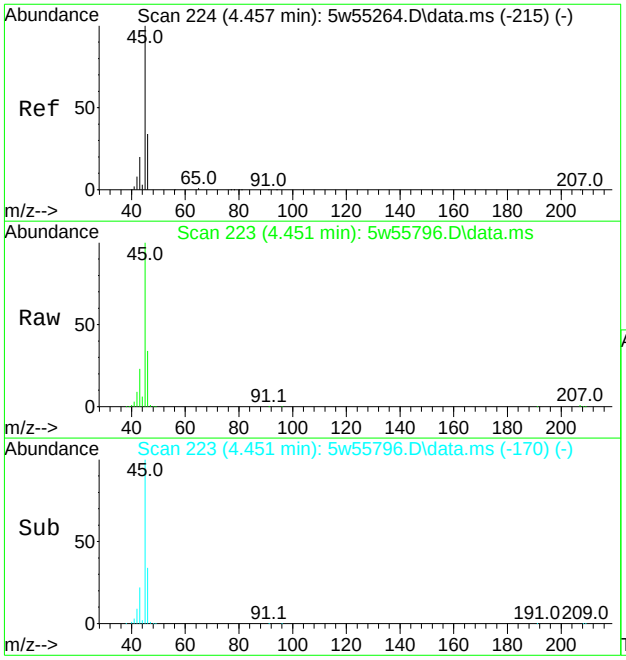




#24
PENTANE
Concen: 0.1145 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 42 Resp: 2609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 87.0 | 64.4 | 124.4 |
| 57 | 10.8 | 0.0 | 55.0 |

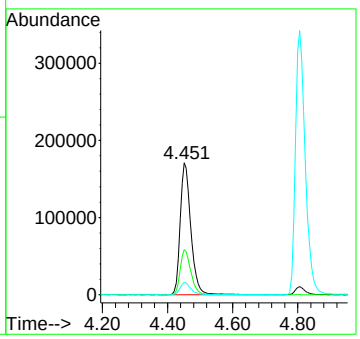


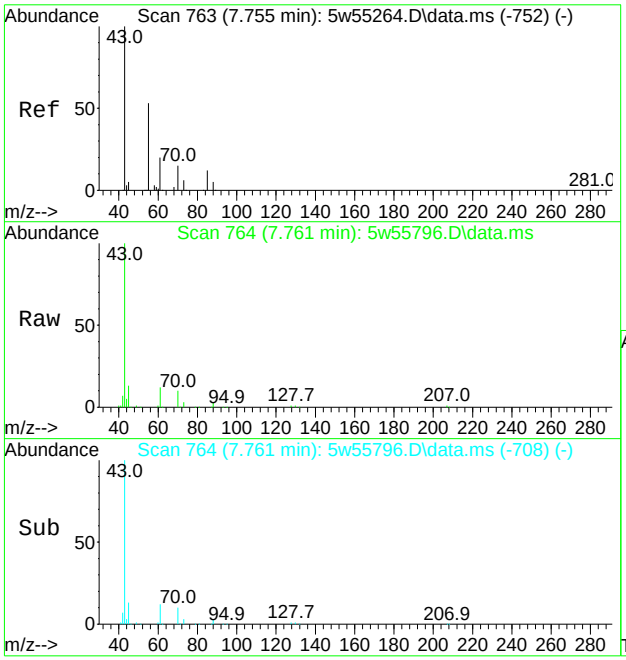



#28
ETHANOL
Concen: 23.4847 PPBV
RT: 4.451 min Scan# 223
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 45 Resp: 394688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.1 | 4.5 | 64.5 |
| 42 | 9.1 | 0.0 | 38.6 |

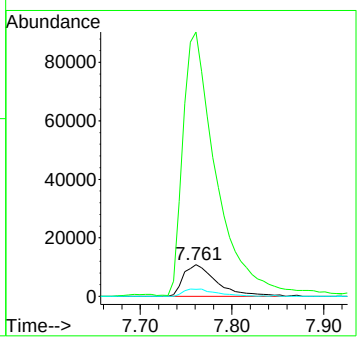


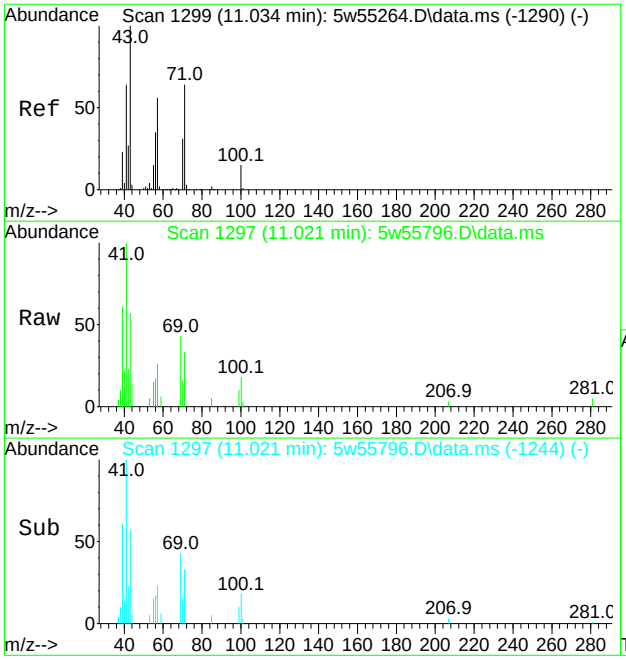




#44
ETHYL ACETATE
Concen: 4.0085 PPBV
RT: 7.761 min Scan# 764
Delta R.T. 0.012 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 61 Resp: 27488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 858.5 | 0.0 | 30.0# |
| 88 | 23.1 | 7.3 | 67.3 |

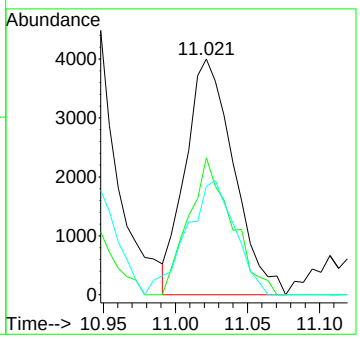


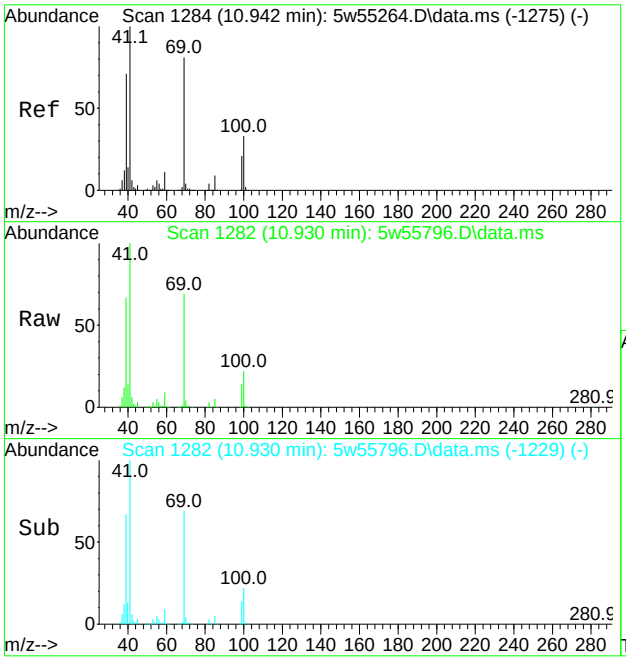



#62
HEPTANE
Concen: 0.2300 PPBV
RT: 11.021 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 43 Resp: 9307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 52.3 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

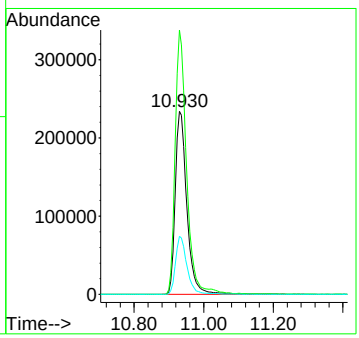



#63
METHYL METHACRYLATE
Concen: 21.4458 PPBV
RT: 10.930 min Scan# 1282
Delta R.T. -0.006 min
Lab File: 5w55796.D
Acq: 21 Dec 2024 3:11 am

Tgt Ion: 69 Resp: 543981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 142.2 | 97.3 | 157.3 |
| 100 | 31.4 | 3.0 | 63.0 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55831.D
Acq On : 23 Dec 2024 7:43 pm
Operator : thomash
Sample : je2491-2(a1735,m442) Inst : GCMS5W
Misc : MS88104,V5W2138,200,,,,135
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 24 17:09:16 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

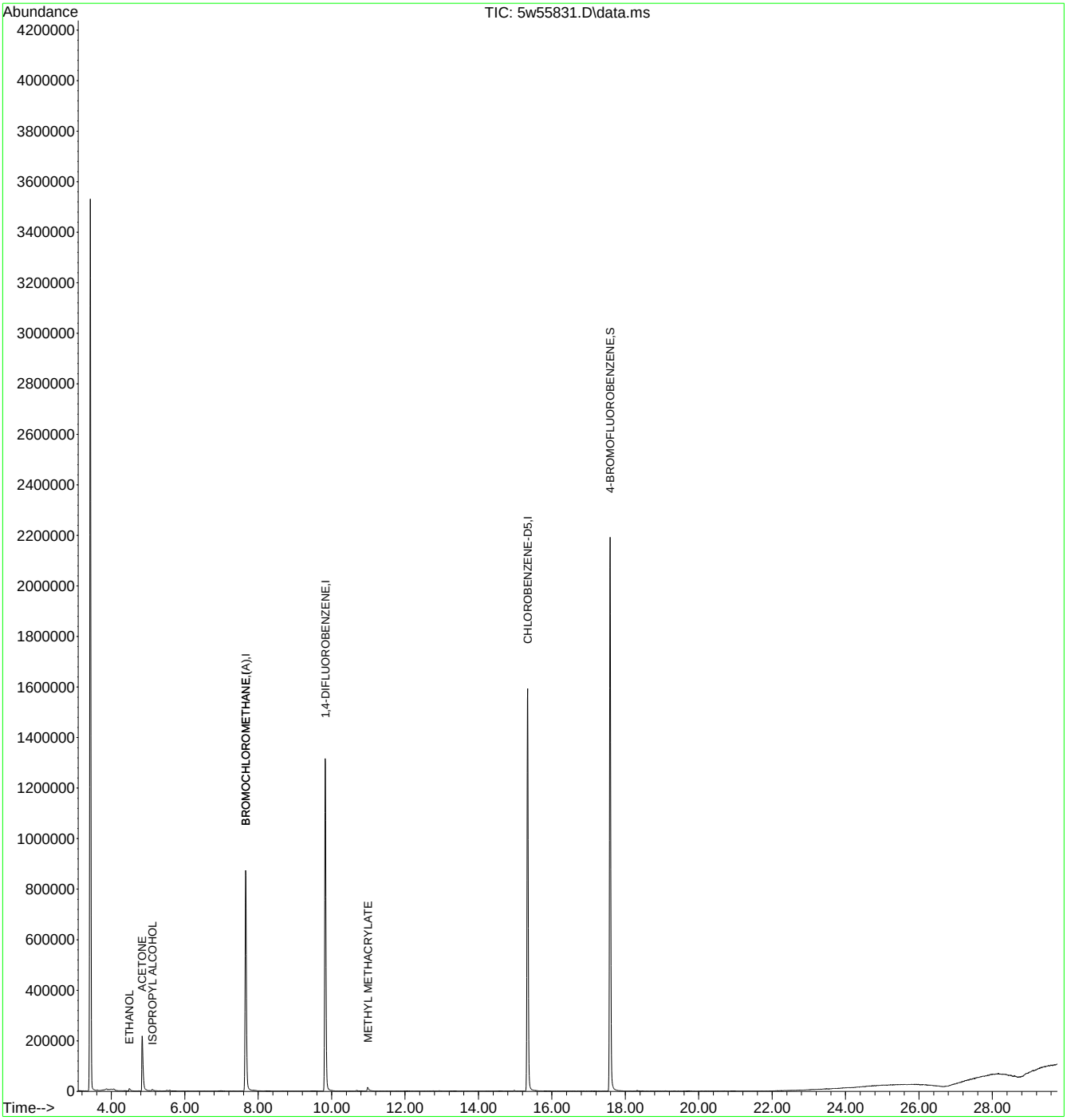
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 244806 | 10.00 | PPBV | #-0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1174993 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 645042 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 244806 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 775008 | 10.74 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.40% | | | |
| Target Compounds | | | | | | Qvalue |
| 22) ISOPROPYL ALCOHOL | 5.118 | 45 | 9462 | 0.1806 | PPBV | 71 |
| 23) ACETONE | 4.837 | 58 | 87234 | 4.4181 | PPBV # | 73 |
| 28) ETHANOL | 4.488 | 45 | 13165 | 0.6857 | PPBV | 94 |
| 63) METHYL METHACRYLATE | 10.985 | 69 | 10488 | 0.3704 | PPBV | 86 |

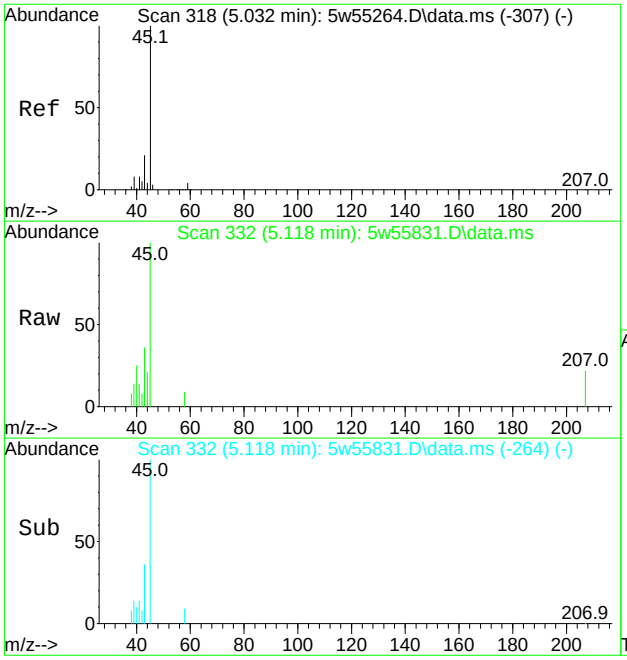
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55831.D
Acq On : 23 Dec 2024 7:43 pm
Operator : thomash
Sample : je2491-2(a1735,m442) Inst : GCMS5W
Misc : MS88104,V5W2138,200,,,,135
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 24 17:09:16 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

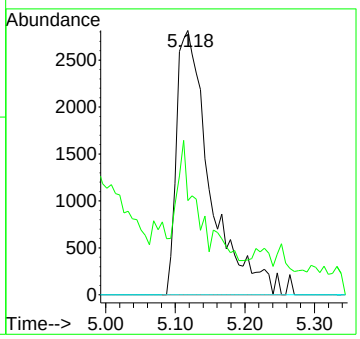


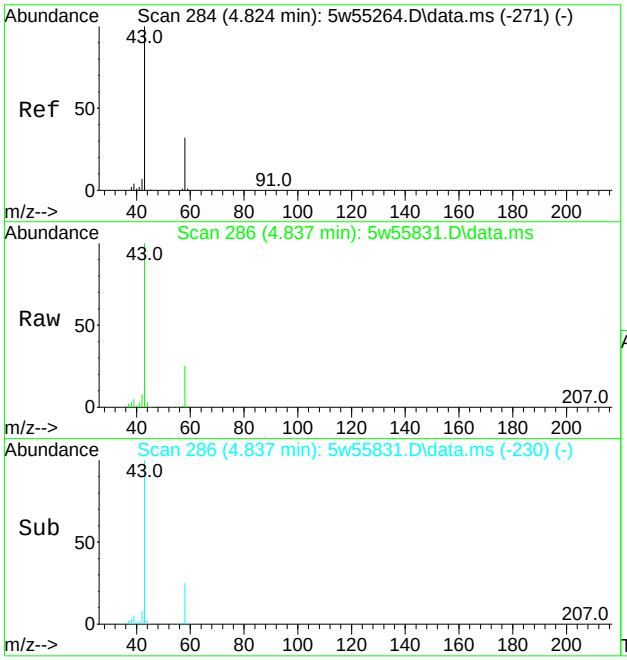



#22
ISOPROPYL ALCOHOL
Concen: 0.1806 PPBV
RT: 5.118 min Scan# 332
Delta R.T. 0.086 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 45 Resp: 9462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 35.6 | 0.0 | 50.8 |
| 59 | 0.0 | 0.0 | 33.8 |

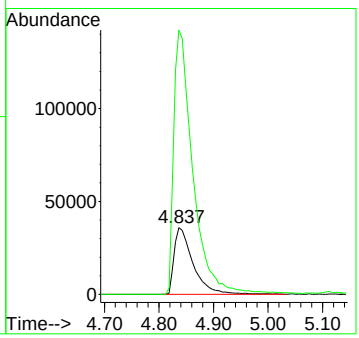


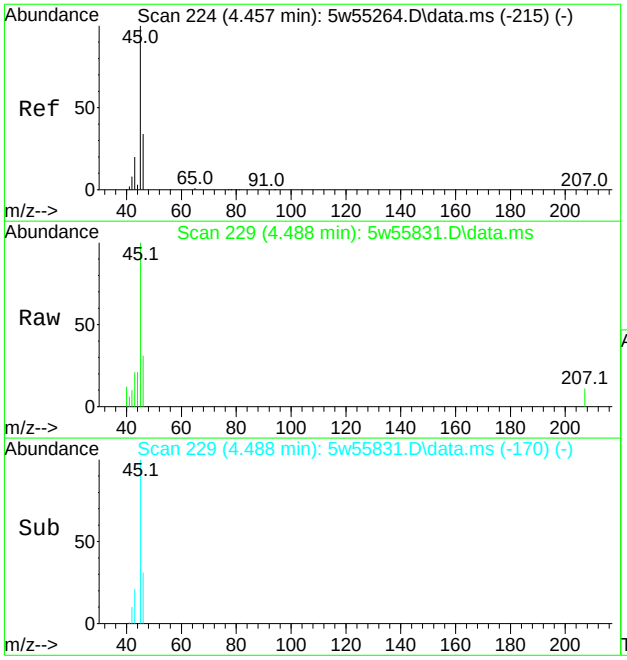




#23
ACETONE
Concen: 4.4181 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 58 Resp: 87234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 400.5 | 312.3 | 372.3# |

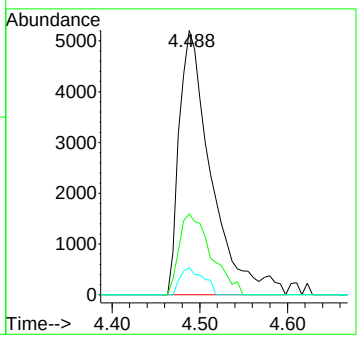


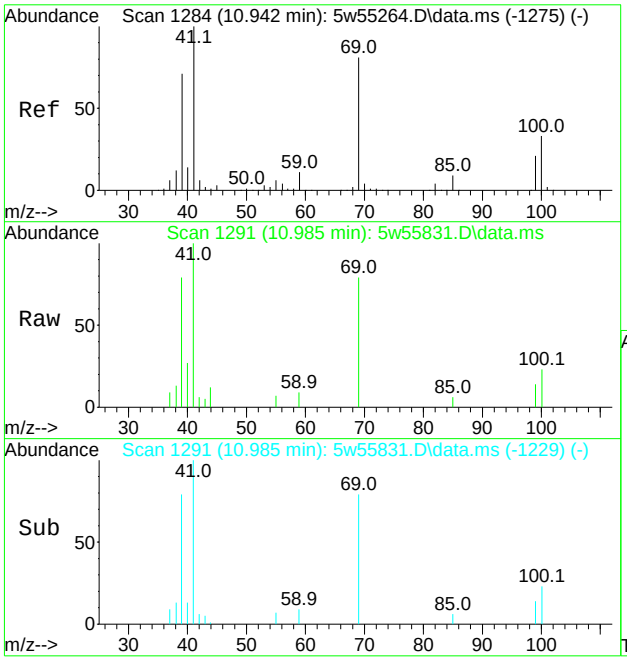



#28
ETHANOL
Concen: 0.6857 PPBV
RT: 4.488 min Scan# 229
Delta R.T. 0.031 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 45 Resp: 13165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 30.7 | 4.5 | 64.5 |
| 42 | 7.5 | 0.0 | 38.6 |

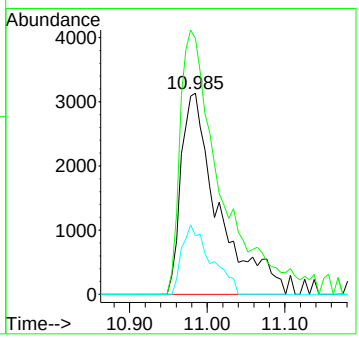



#63
METHYL METHACRYLATE
Concen: 0.3704 PPBV
RT: 10.985 min Scan# 1291
Delta R.T. 0.049 min
Lab File: 5w55831.D
Acq: 23 Dec 2024 7:43 pm

Tgt Ion: 69 Resp: 10488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 144.5 | 97.3 | 157.3 |
| 100 | 27.1 | 3.0 | 63.0 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55797.D
Acq On : 21 Dec 2024 3:54 am
Operator : thomash
Sample : je2491-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 07:56:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

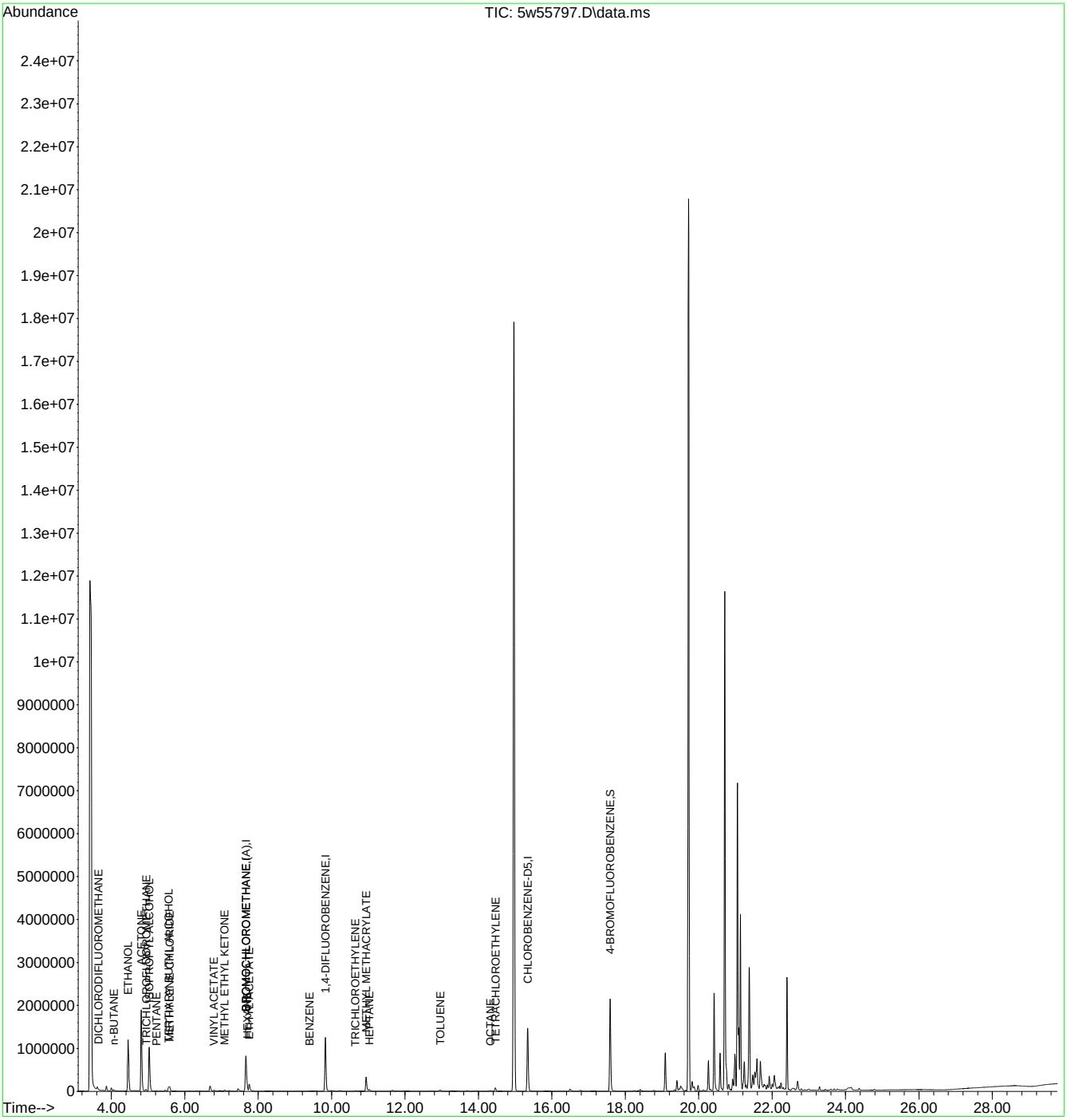
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 219702 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1077760 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 597639 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 219702 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 752483 | 11.25 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 19833 | 0.2470 | PPBV | 97 |
| 13) n-BUTANE | 4.066 | 43 | 23371 | 0.4979 | PPBV # | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 29705 | 0.4004 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 1431104 | 30.4421 | PPBV | 98 |
| 23) ACETONE | 4.812 | 58 | 663541 | 37.4463 | PPBV # | 81 |
| 24) PENTANE | 5.228 | 42 | 5092 | 0.2180 | PPBV | 87 |
| 28) ETHANOL | 4.457 | 45 | 1505030 | 87.3529 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 34228 | 1.4854 | PPBV | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 116658 | 2.6380 | PPBV | 83 |
| 38) HEXANE | 7.700 | 57 | 41598 | 1.2084 | PPBV | 93 |
| 39) VINYL ACETATE | 6.794 | 86 | 1849 | 0.4699 | PPBV # | 62 |
| 41) METHYL ETHYL KETONE | 7.076 | 72 | 11128 | 1.1677 | PPBV | 94 |
| 44) ETHYL ACETATE | 7.755 | 61 | 30653 | 4.3602 | PPBV # | 73 |
| 52) BENZENE | 9.400 | 78 | 14933 | 0.1912 | PPBV | 98 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 1915 | 0.0465 | PPBV | 88 |
| 62) HEPTANE | 11.021 | 43 | 19199 | 0.4634 | PPBV | 90 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 152860 | 5.8860 | PPBV | 93 |
| 66) TOLUENE | 12.961 | 92 | 15318 | 0.2803 | PPBV | 95 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 22029 | 0.5643 | PPBV | 85 |
| 76) OCTANE | 14.325 | 43 | 17246 | 0.3285 | PPBV | 60 |

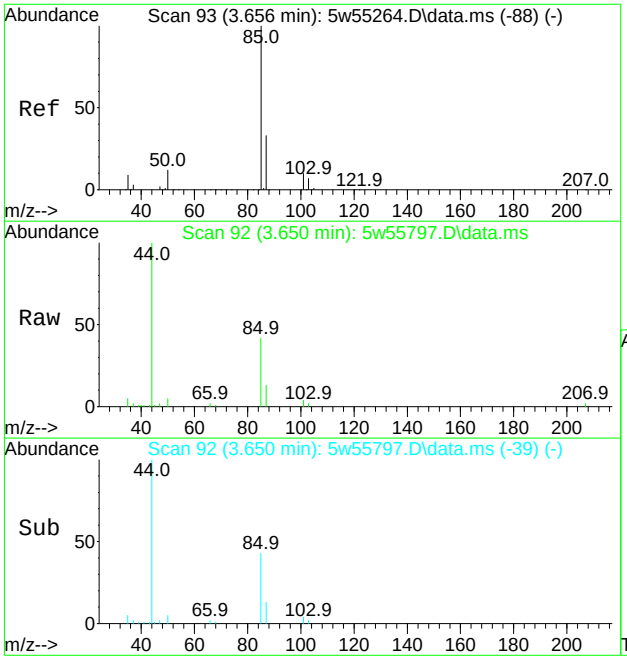
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55797.D
Acq On : 21 Dec 2024 3:54 am
Operator : thomash
Sample : je2491-3 Inst : GCMS5W
Misc : MS88104,V5W2136,200,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 23 07:56:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

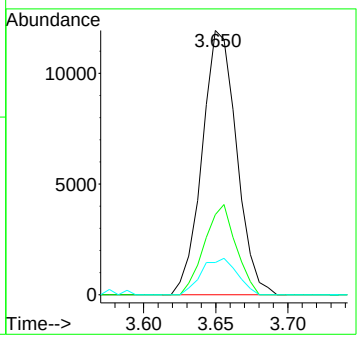


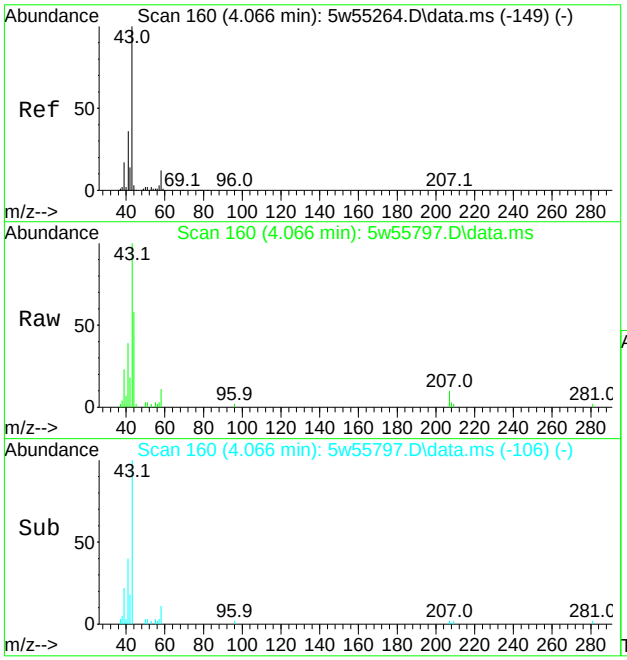



#6
DICHLORODIFLUOROMETHANE
Concen: 0.2470 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 85 Resp: 19833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.2 | 2.6 | 62.6 |
| 50 | 14.4 | 0.0 | 43.0 |

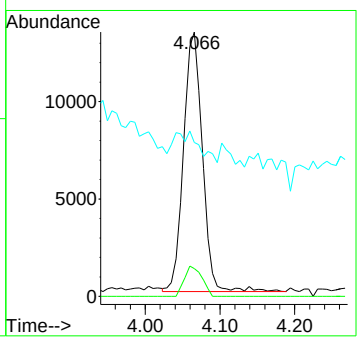


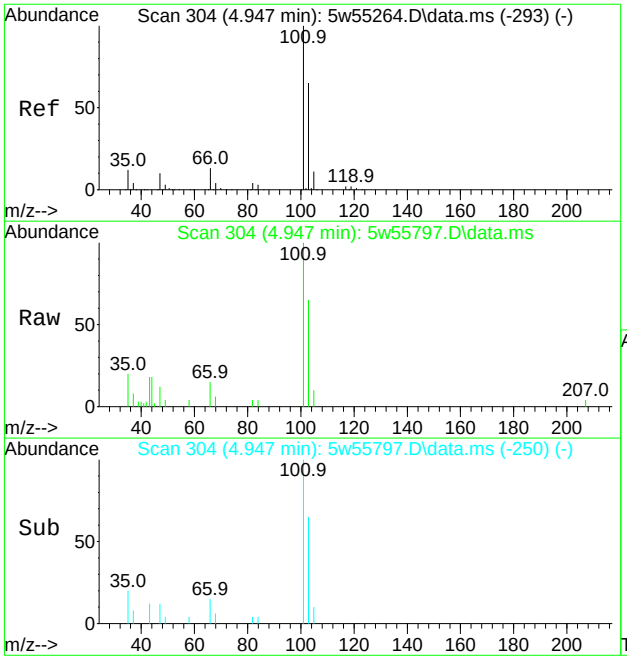




#13
n-BUTANE
Concen: 0.4979 PPBV
RT: 4.066 min Scan# 160
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 23371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

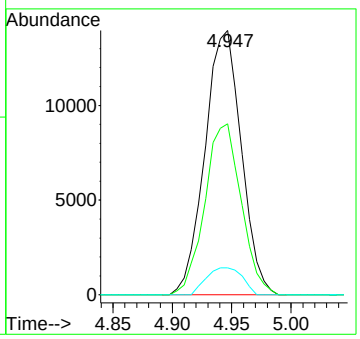


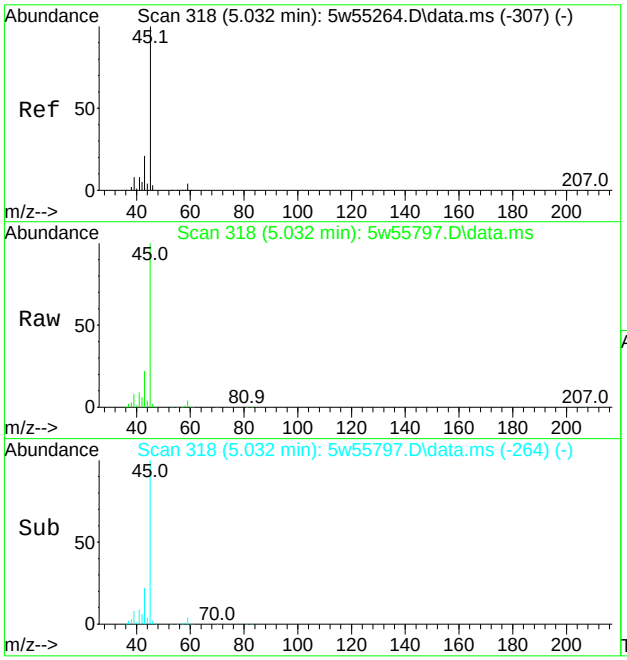



#21
TRICHLOROFLUOROMETHANE
Concen: 0.4004 PPBV
RT: 4.947 min Scan# 304
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion:101 Resp: 29705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.6 | 34.7 | 94.7 |
| 105 | 10.1 | 0.0 | 40.5 |

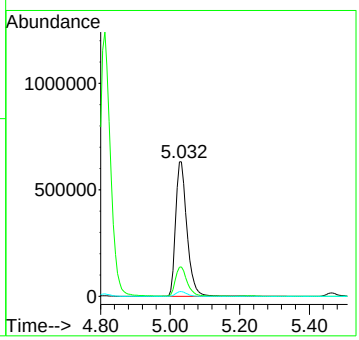


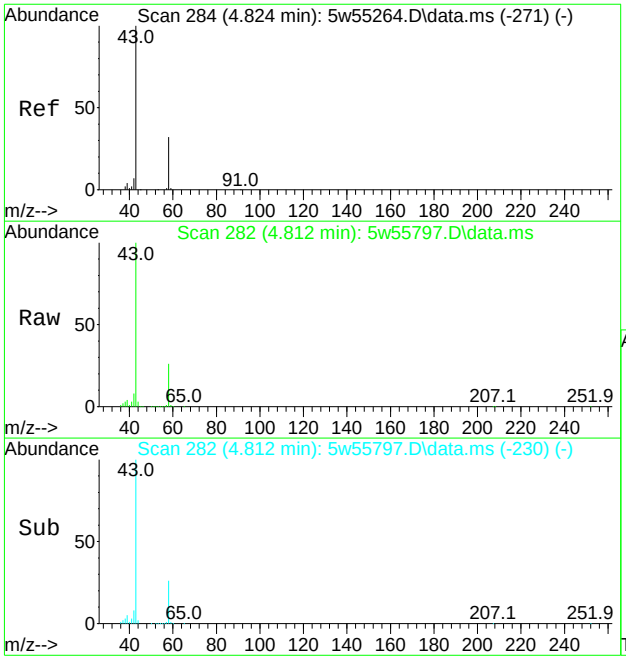




#22
ISOPROPYL ALCOHOL
Concen: 30.4421 PPBV
RT: 5.032 min Scan# 318
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 45 Resp: 1431104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 21.9 | 0.0 | 50.8 |
| 59 | 3.6 | 0.0 | 33.8 |

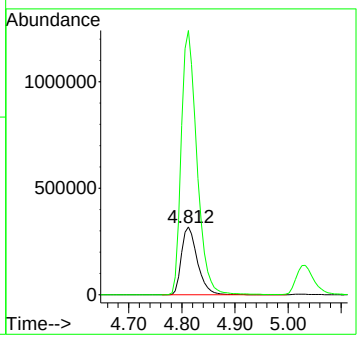


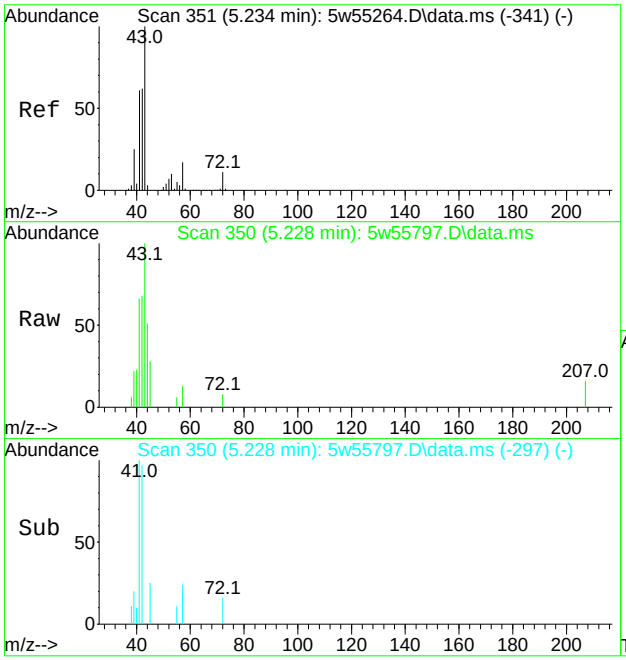



#23
ACETONE
Concen: 37.4463 PPBV
RT: 4.812 min Scan# 282
Delta R.T. -0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 58 Resp: 663541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 383.0 | 312.3 | 372.3# |

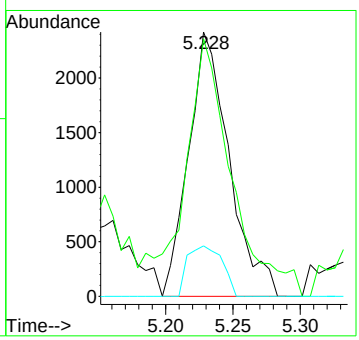


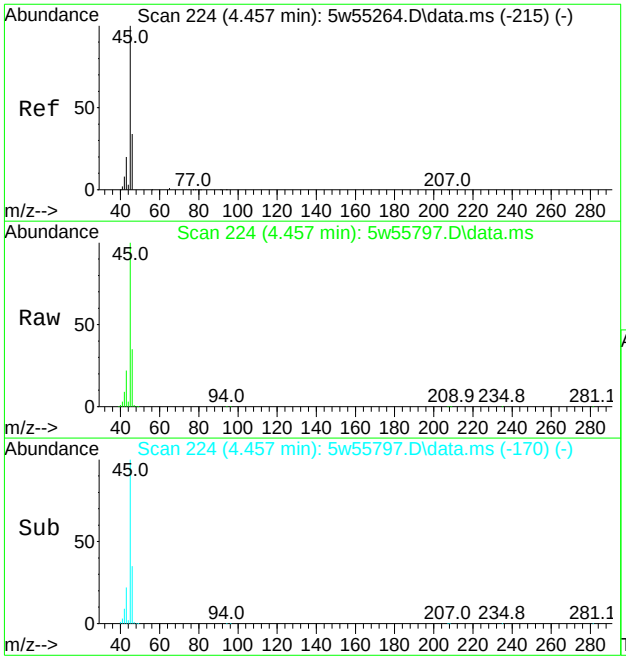




#24
PENTANE
Concen: 0.2180 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 42 Resp: 5092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 105.4 | 64.4 | 124.4 |
| 57 | 16.3 | 0.0 | 55.0 |

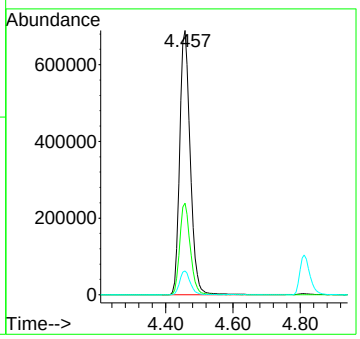


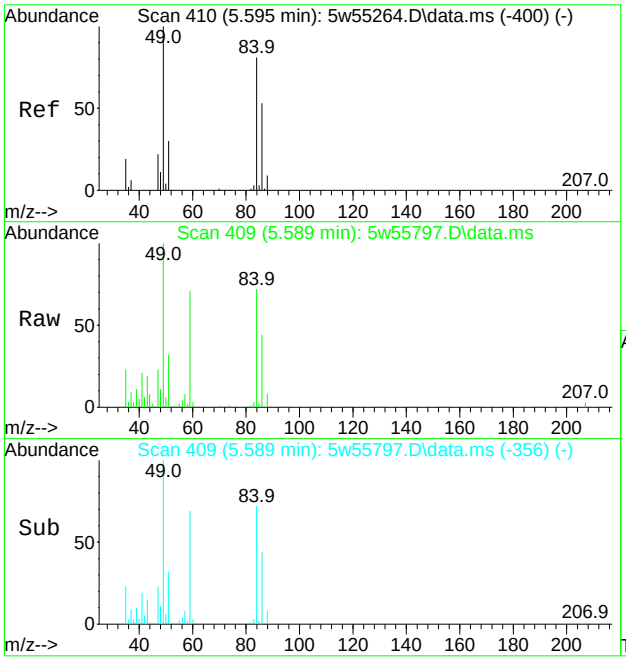



#28
ETHANOL
Concen: 87.3529 PPBV
RT: 4.457 min Scan# 224
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 45 Resp: 1505030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.8 | 4.5 | 64.5 |
| 42 | 9.2 | 0.0 | 38.6 |

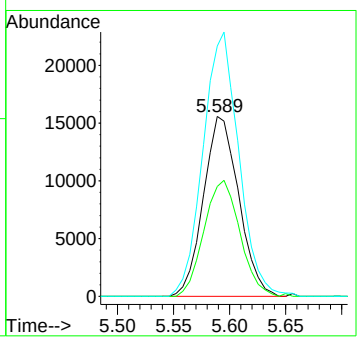


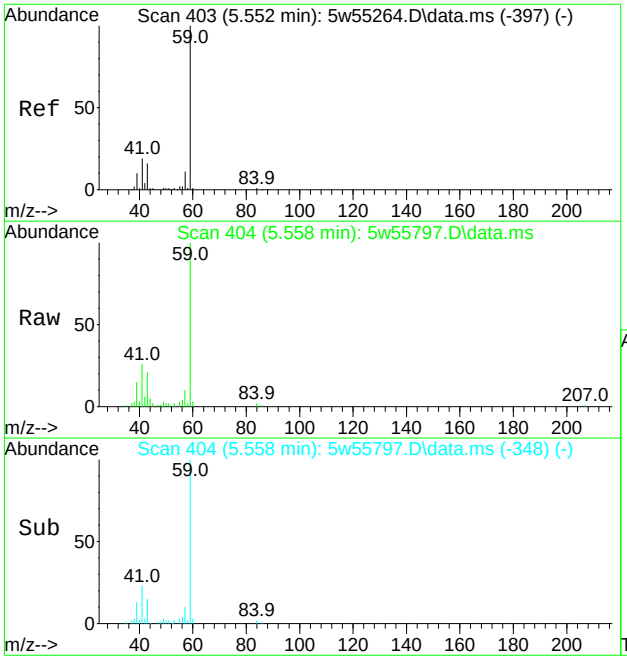




#31
METHYLENE CHLORIDE
Concen: 1.4854 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 84 Resp: 34228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.7 | 34.0 | 94.0 |
| 49 | 148.6 | 105.8 | 165.8 |

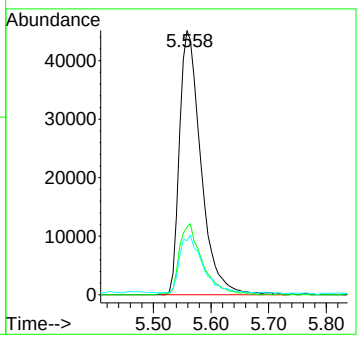


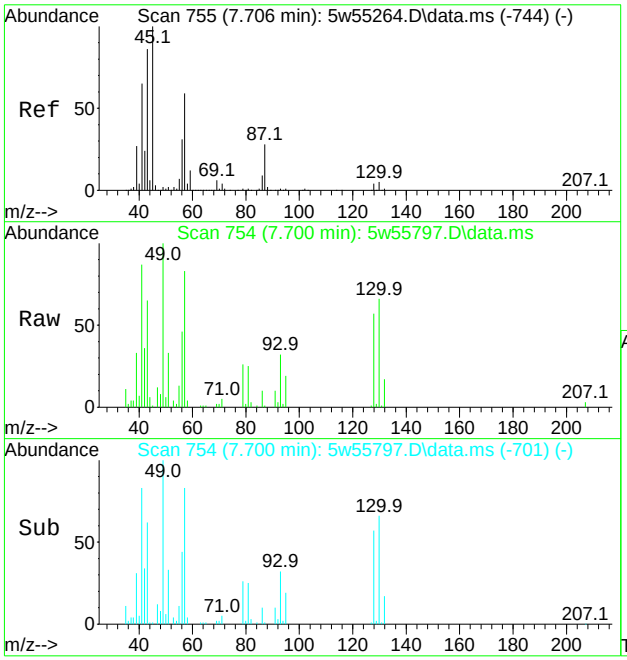



#35
TERTIARY BUTYL ALCOHOL
Concen: 2.6380 PPBV
RT: 5.558 min Scan# 404
Delta R.T. 0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 59 Resp: 116658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 28.8 | 0.0 | 53.1 |
| 43 | 27.3 | 0.0 | 47.1 |

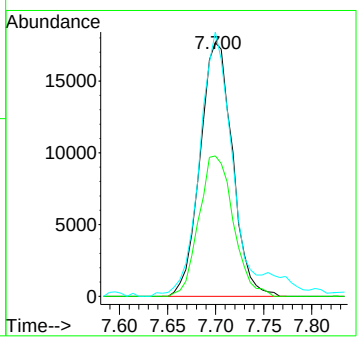


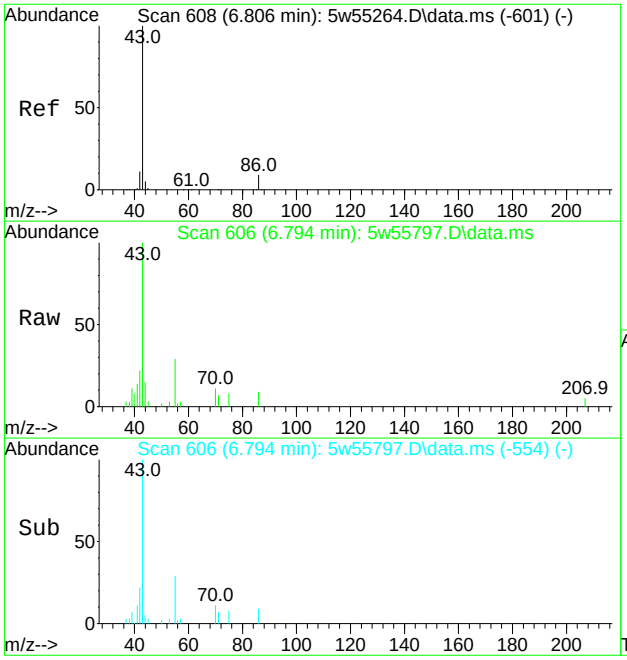




#38
HEXANE
Concen: 1.2084 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 57 Resp: 41598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.6 | 24.2 | 84.2 |
| 41 | 113.4 | 92.1 | 152.1 |

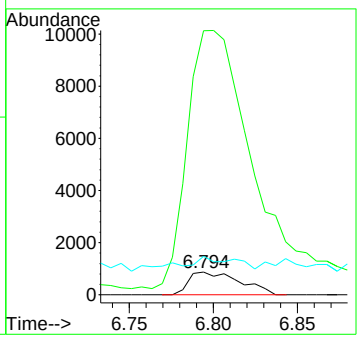


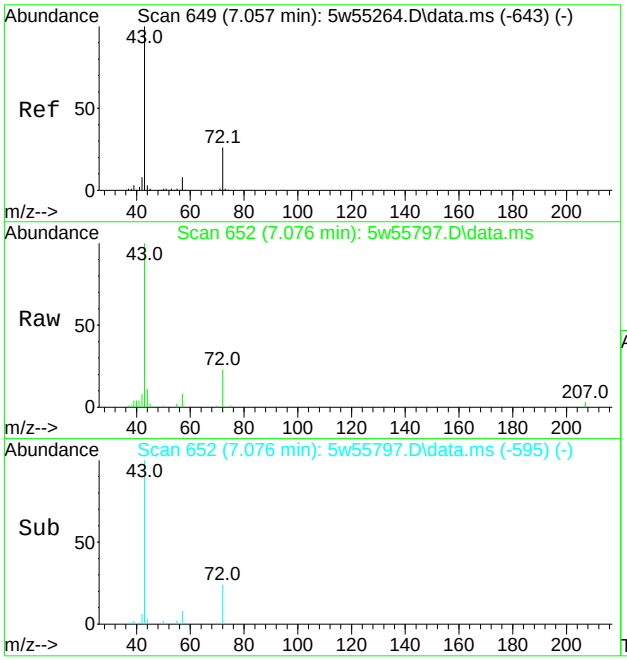



#39
VINYL ACETATE
Concen: 0.4699 PPBV
RT: 6.794 min Scan# 606
Delta R.T. -0.012 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 86 Resp: 1849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1579.9 | 1335.5 | 1395.5# |
| 44 | 48.0 | 40.9 | 100.9 |

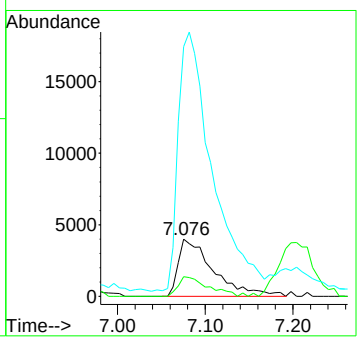


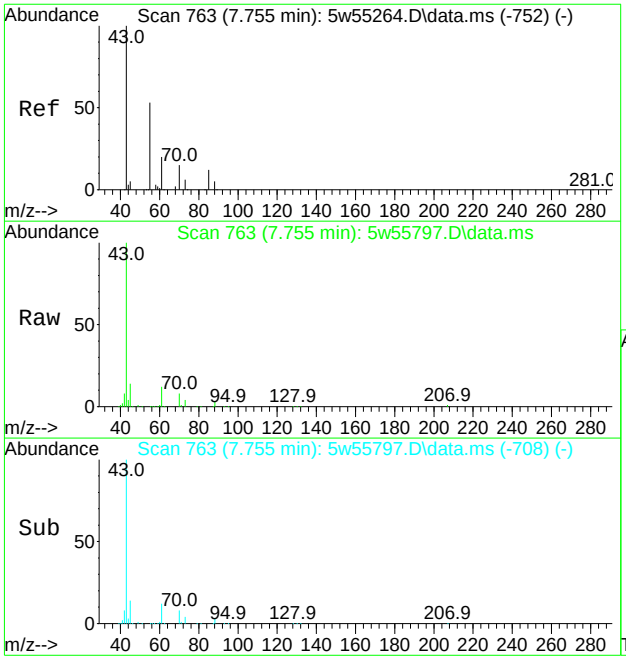




#41
METHYL ETHYL KETONE
Concen: 1.1677 PPBV
RT: 7.076 min Scan# 652
Delta R.T. 0.018 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 72 Resp: 11128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 34.5 | 1.1 | 61.1 |
| 43 | 435.4 | 390.6 | 450.6 |

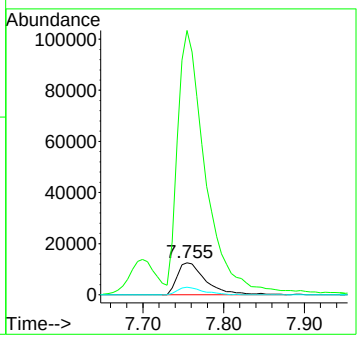


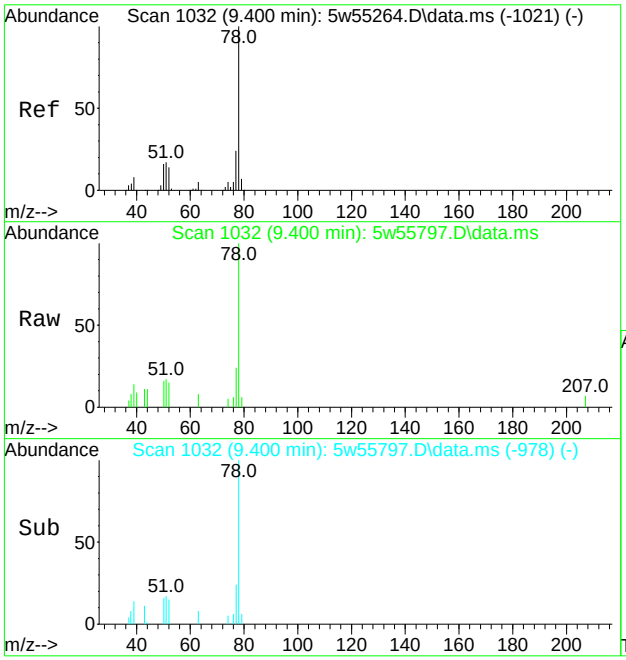



#44
ETHYL ACETATE
Concen: 4.3602 PPBV
RT: 7.755 min Scan# 763
Delta R.T. 0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 61 Resp: 30653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 804.0 | 0.0 | 30.0# |
| 88 | 21.3 | 7.3 | 67.3 |

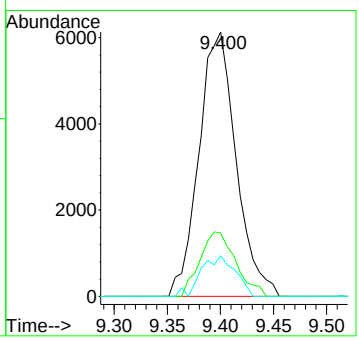


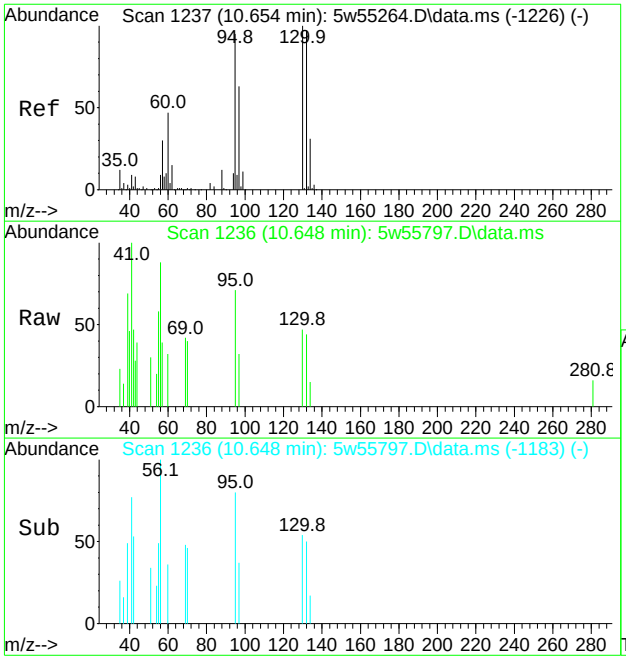




#52
BENZENE
Concen: 0.1912 PPBV
RT: 9.400 min Scan# 1032
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 78 Resp: 14933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 0.0 | 54.0 |
| 52 | 14.1 | 0.0 | 45.6 |

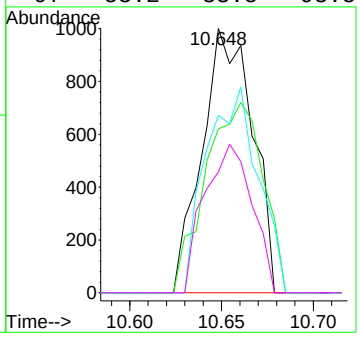


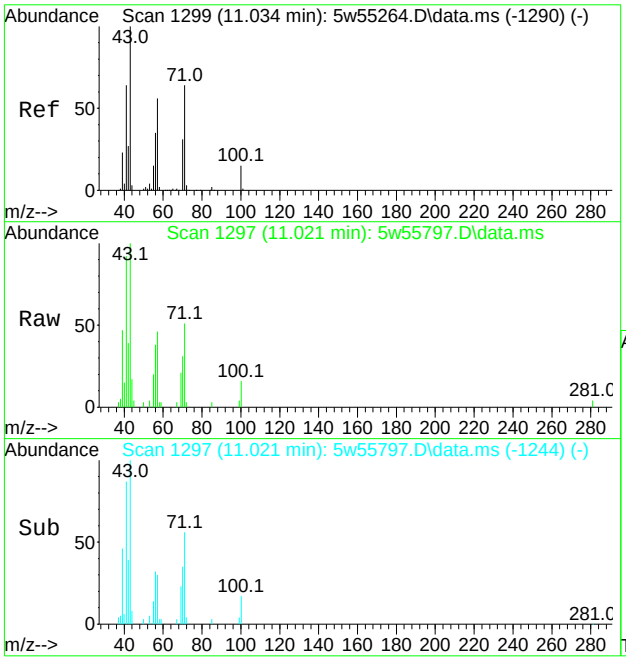



#55
TRICHLOROETHYLENE
Concen: 0.0465 PPBV
RT: 10.648 min Scan# 1236
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 95 Resp: 1915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 132 | 82.2 | 60.0 | 120.0 |
| 130 | 79.7 | 64.1 | 124.1 |
| 97 | 53.2 | 33.5 | 93.5 |

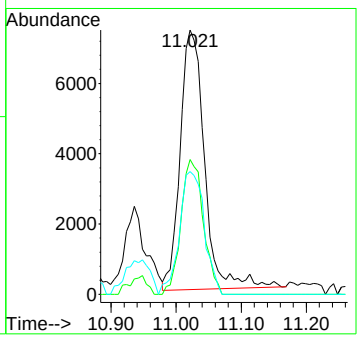


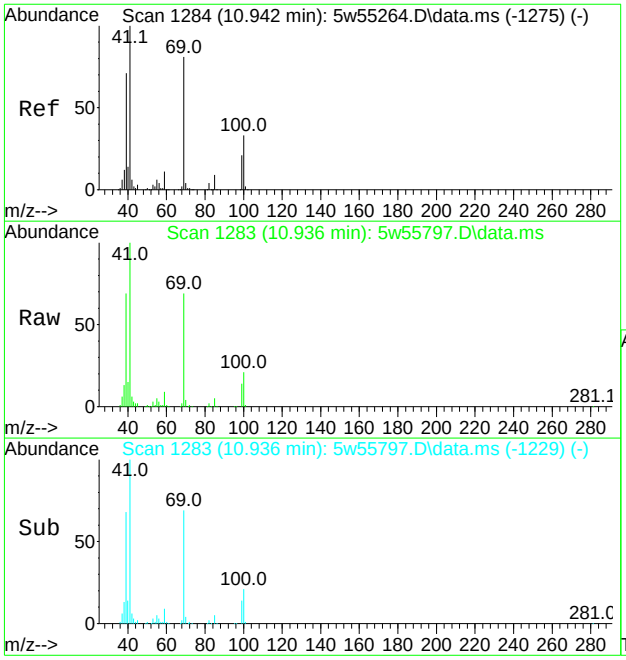




#62
HEPTANE
Concen: 0.4634 PPBV
RT: 11.021 min Scan# 1297
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 19199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 47.8 | 27.2 | 87.2 |
| 57 | 48.1 | 22.5 | 82.5 |

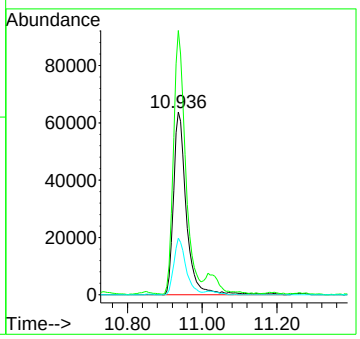


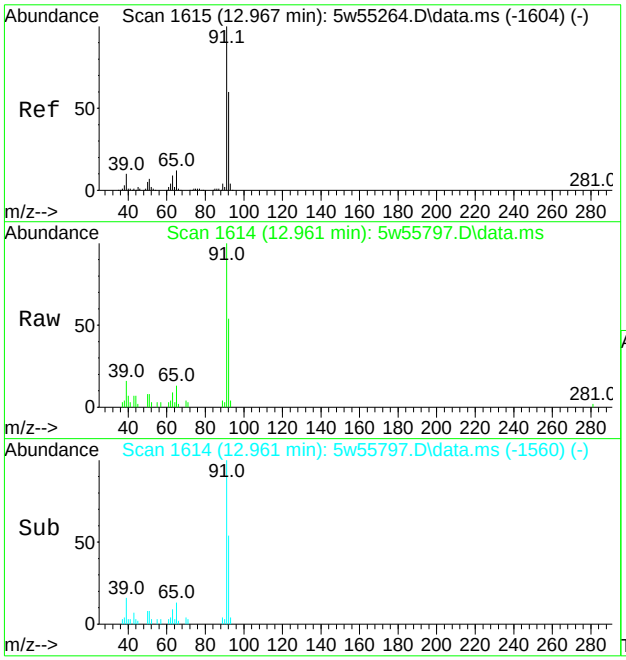



#63
METHYL METHACRYLATE
Concen: 5.8860 PPBV
RT: 10.936 min Scan# 1283
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 69 Resp: 152860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 135.1 | 97.3 | 157.3 |
| 100 | 29.3 | 3.0 | 63.0 |

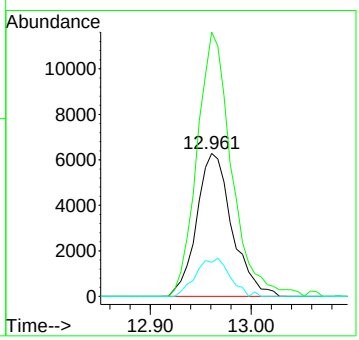


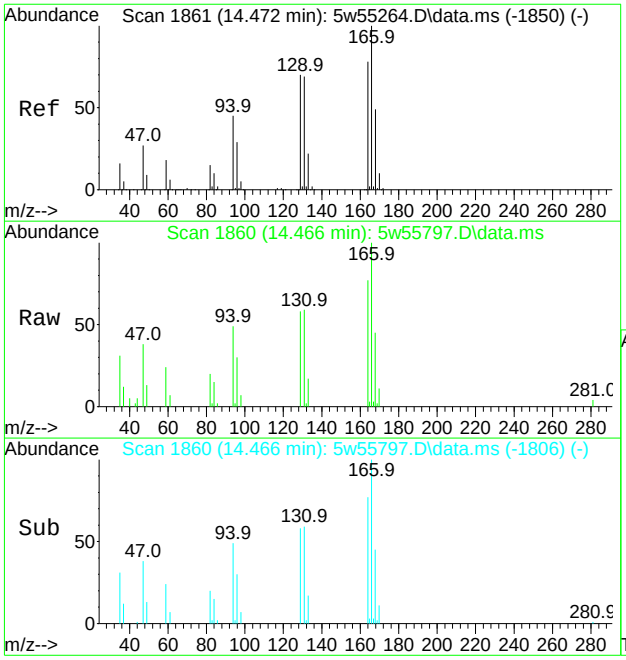




#66
TOLUENE
Concen: 0.2803 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 92 Resp: 15318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 180.1 | 143.4 | 203.4 |
| 65 | 25.6 | 0.0 | 53.8 |

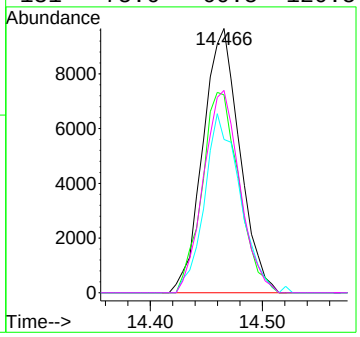


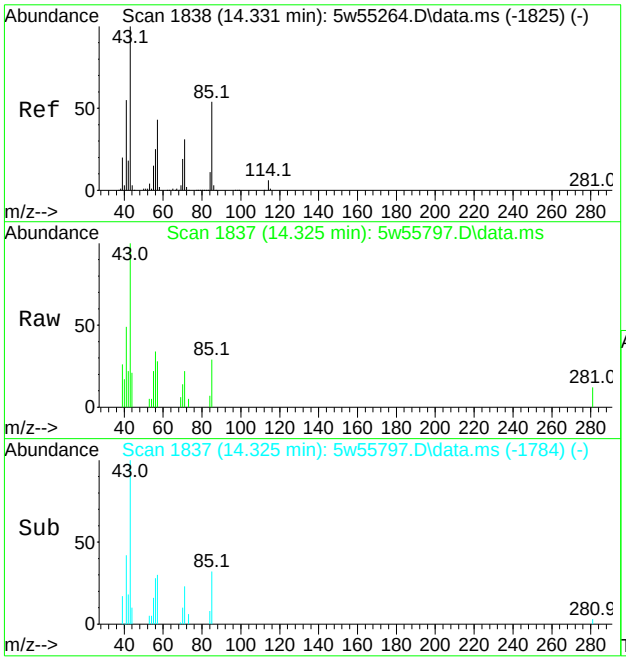



#73
TETRACHLOROETHYLENE
Concen: 0.5643 PPBV
RT: 14.466 min Scan# 1860
Delta R.T. -0.000 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion:164 Resp: 22029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 76.1 | 64.4 | 124.4 |
| 168 | 65.8 | 31.2 | 91.2 |
| 131 | 75.6 | 60.5 | 120.5 |

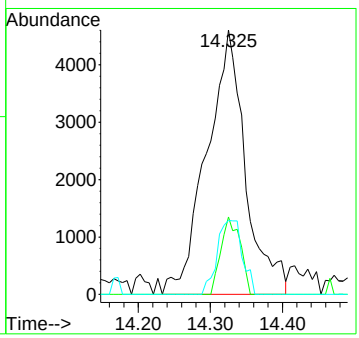



#76
OCTANE
Concen: 0.3285 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55797.D
Acq: 21 Dec 2024 3:54 am

Tgt Ion: 43 Resp: 17246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 14.6 | 13.7 | 73.7 |
| 57 | 18.2 | 9.9 | 69.9 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11545.D
Acq On : 7 Jan 2025 3:36 am
Operator : benk
Sample : je2491-4 Inst : MS7W
Misc : MS88104,v7w414,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 07 19:59:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

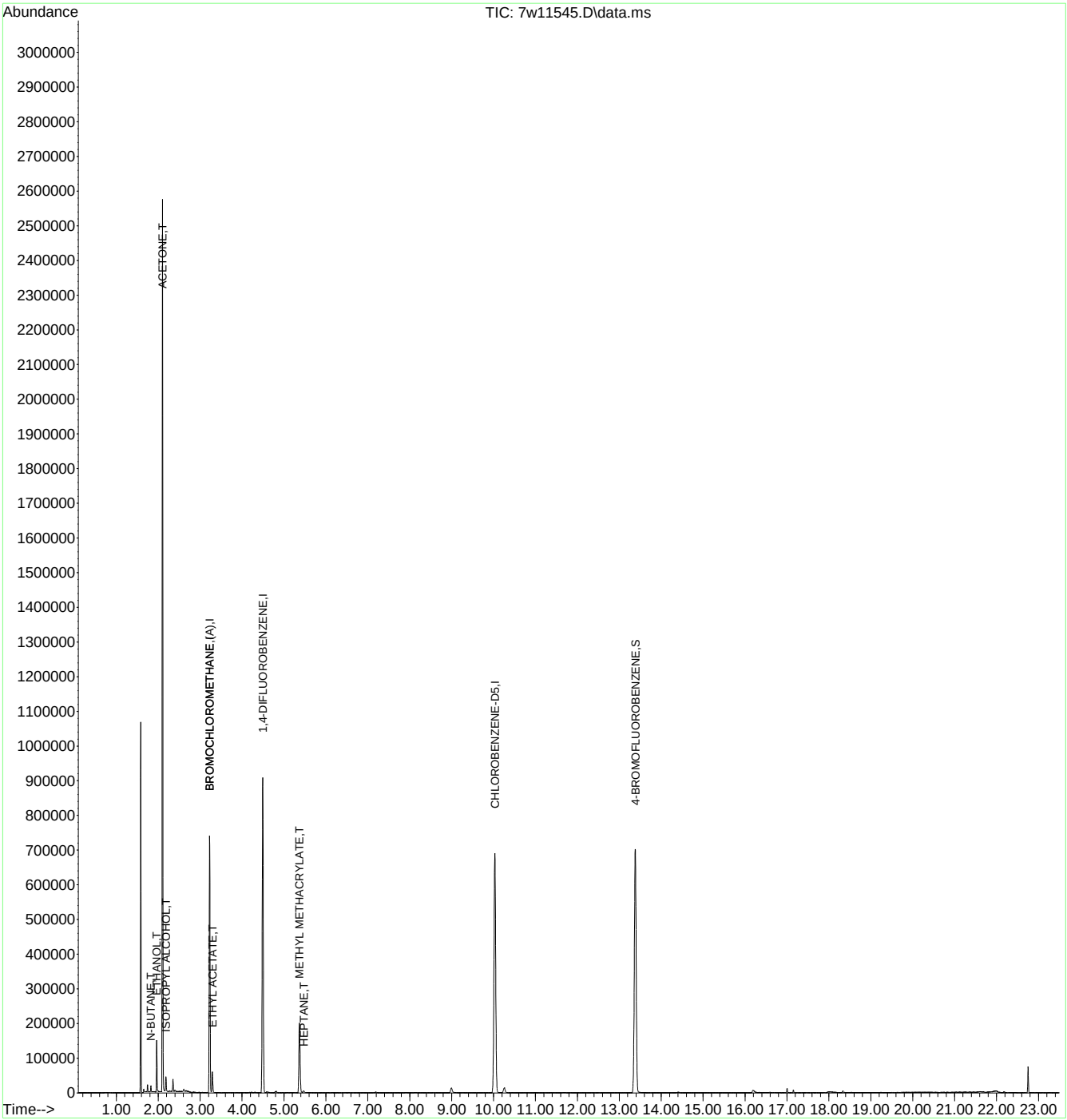
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 129627 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 634201 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.030 | 117 | 600502 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 129627 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 429372 | 9.85 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 13) N-BUTANE | 1.824 | 43 | 7317 | 0.4352 | PPBV # | 73 |
| 22) ISOPROPYL ALCOHOL | 2.184 | 45 | 31017 | 1.2916 | PPBV # | 85 |
| 23) ACETONE | 2.101 | 58 | 498483 | 66.1869 | PPBV | 97 |
| 28) ETHANOL | 1.962 | 45 | 85041 | 12.9363 | PPBV | 100 |
| 44) ETHYL ACETATE | 3.290 | 61 | 6539 | 1.5986 | PPBV # | 1 |
| 62) HEPTANE | 5.470 | 43 | 4281 | 0.1997 | PPBV # | 55 |
| 63) METHYL METHACRYLATE | 5.367 | 69 | 75648 | 5.4920 | PPBV | 89 |

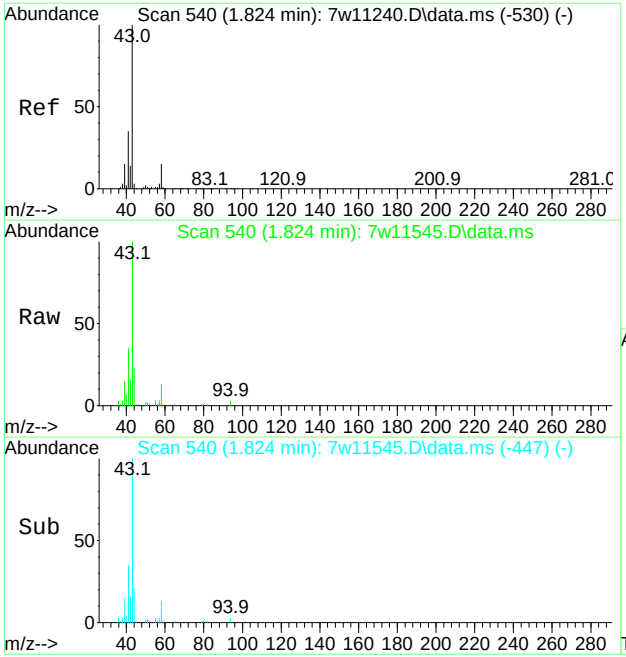
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11545.D
Acq On : 7 Jan 2025 3:36 am
Operator : benk
Sample : je2491-4 Inst : MS7W
Misc : MS88104,v7w414,5,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 07 19:59:59 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

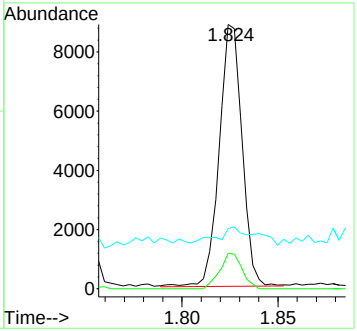


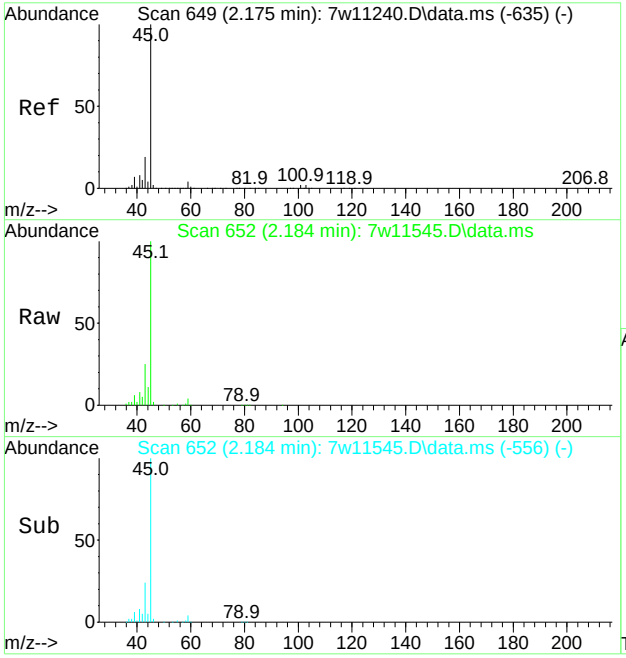



#13
N-BUTANE
Concen: 0.4352 PPBV
RT: 1.824 min Scan# 540
Delta R.T. 0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 43 Resp: 7317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 13.2 | 10.4 | 19.2 |
| 44 | 39.0 | 3.0 | 5.6# |

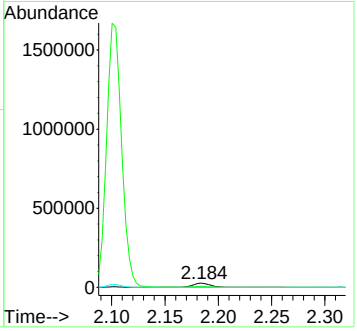


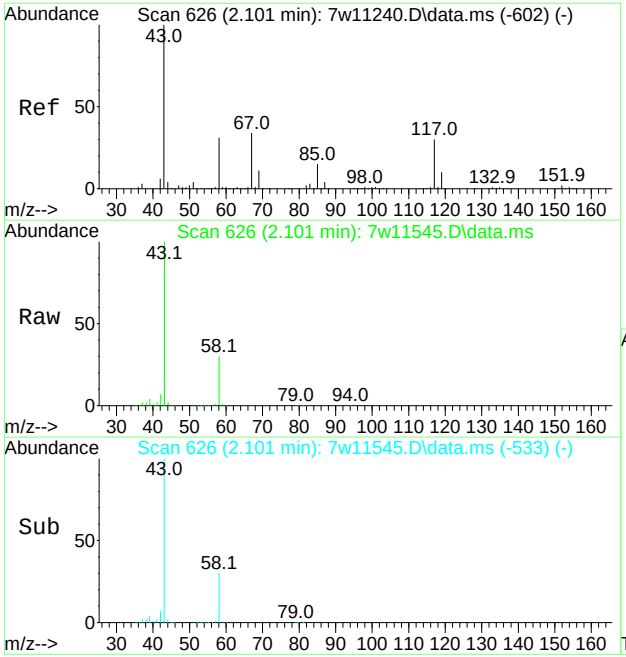




#22
ISOPROPYL ALCOHOL
Concen: 1.2916 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 45 Resp: 31017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 28.1 | 13.9 | 25.9# |
| 59 | 3.9 | 2.8 | 5.2 |

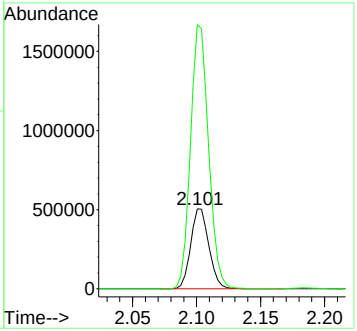


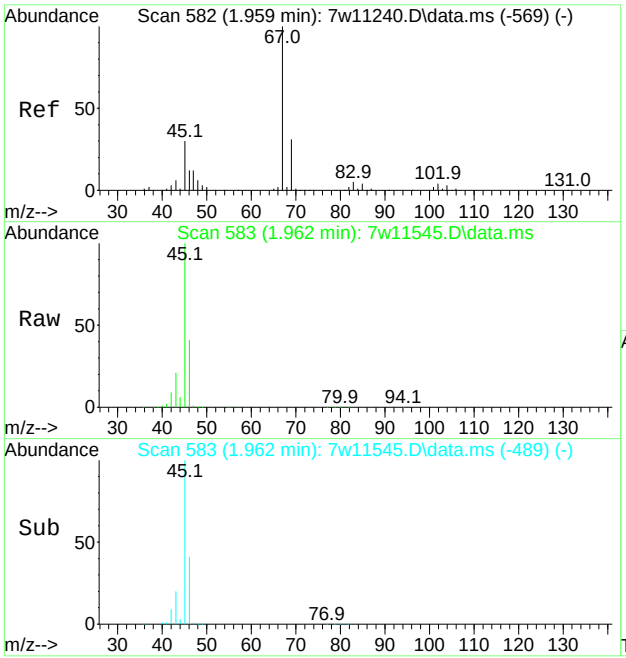



#23
ACETONE
Concen: 66.1869 PPBV
RT: 2.101 min Scan# 626
Delta R.T. -0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 58 Resp: 498483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 328.5 | 234.4 | 435.2 |

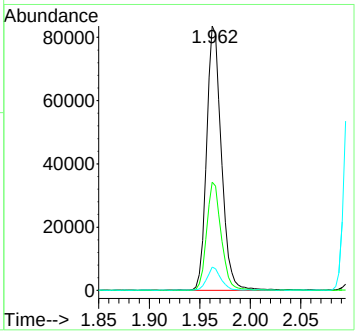


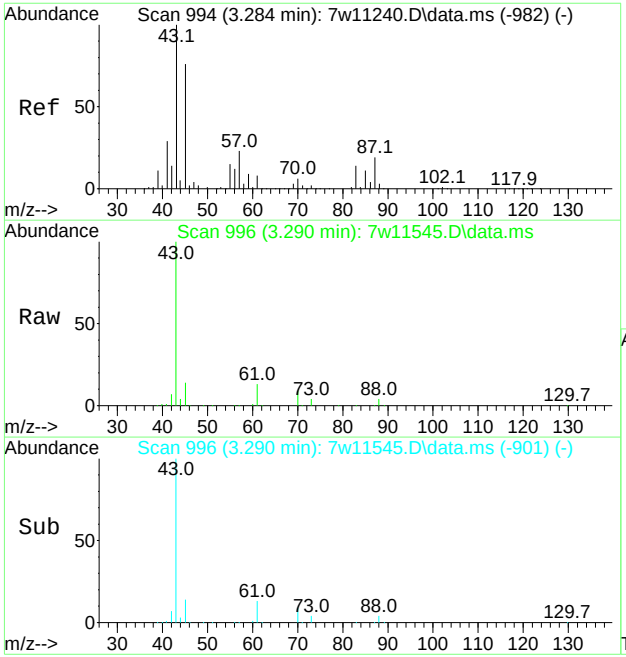




#28
ETHANOL
Concen: 12.9363 PPBV
RT: 1.962 min Scan# 583
Delta R.T. 0.003 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 45 Resp: 85041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 40.6 | 28.6 | 53.0 |
| 42 | 8.6 | 6.3 | 11.7 |

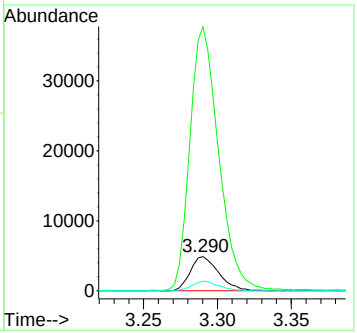


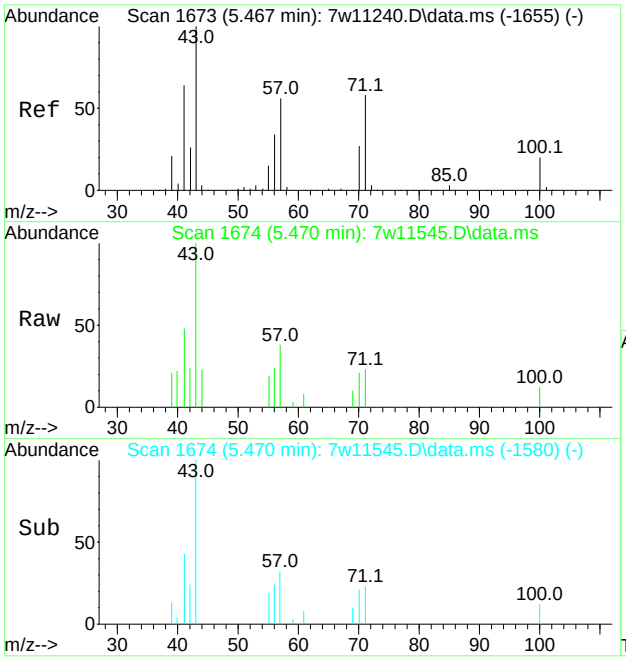



#44
ETHYL ACETATE
Concen: 1.5986 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.006 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 61 Resp: 6539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 789.4 | 1005.1 | 1866.5# |
| 88 | 26.7 | 29.3 | 54.5# |

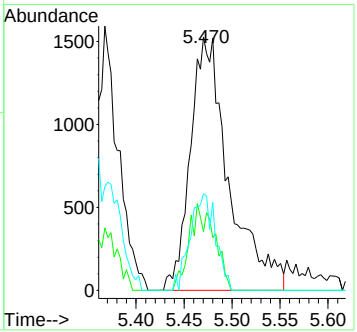


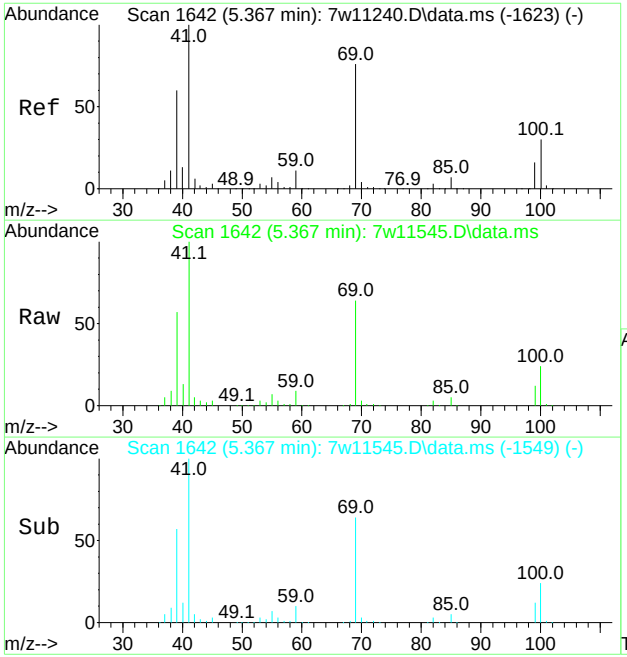




#62
HEPTANE
Concen: 0.1997 PPBV
RT: 5.470 min Scan# 1674
Delta R.T. 0.003 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 43 Resp: 4281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 22.3 | 40.0 | 74.4# |
| 57 | 25.1 | 38.9 | 72.2# |

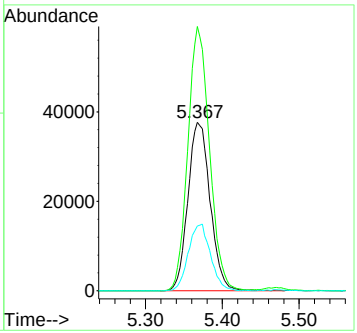





#63
METHYL METHACRYLATE
Concen: 5.4920 PPBV
RT: 5.367 min Scan# 1642
Delta R.T. 0.000 min
Lab File: 7w11545.D
Acq: 7 Jan 2025 3:36 am

Tgt Ion: 69 Resp: 75648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 152.2 | 95.5 | 177.4 |
| 100 | 39.4 | 28.3 | 52.7 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11594.D
Acq On : 8 Jan 2025 8:22 pm
Operator : benk
Sample : je2491-4(a1688,m143) Inst : MS7W
Misc : MS88104,v7w415,400,,,,143
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 04:37:32 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

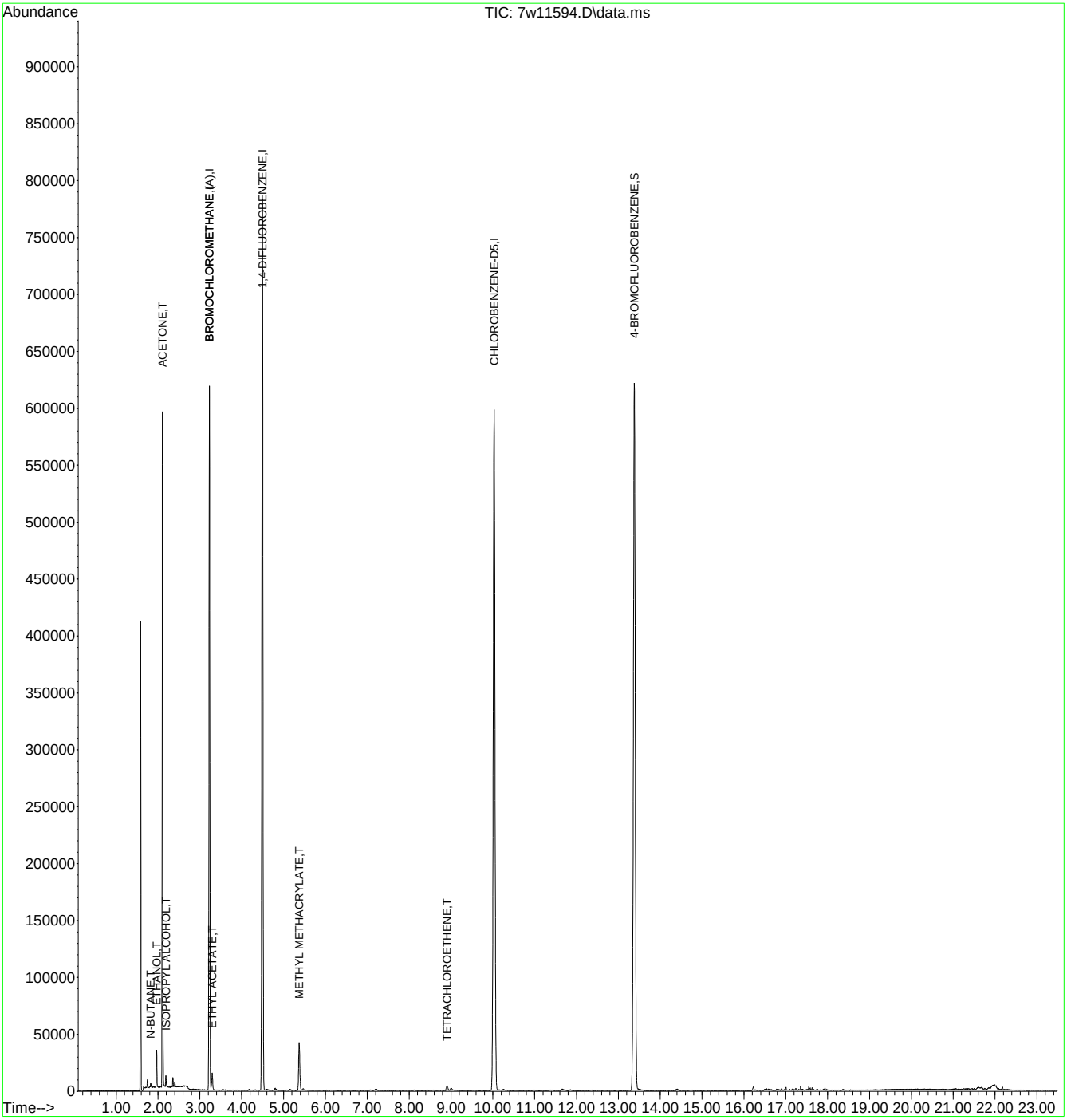
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 117130 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 572033 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.029 | 117 | 544669 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 117130 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.380 | 95 | 391283 | 9.90 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 13) N-BUTANE | 1.827 | 43 | 2349 | 0.1546 | PPBV # | 34 |
| 22) ISOPROPYL ALCOHOL | 2.187 | 45 | 6865 | 0.3164 | PPBV # | 78 |
| 23) ACETONE | 2.107 | 58 | 116563 | 17.1281 | PPBV | 88 |
| 28) ETHANOL | 1.969 | 45 | 19182 | 3.2293 | PPBV | 99 |
| 44) ETHYL ACETATE | 3.293 | 61 | 1709 | 0.4624 | PPBV # | 1 |
| 63) METHYL METHACRYLATE | 5.374 | 69 | 17247 | 1.3882 | PPBV | 98 |
| 72) TETRACHLOROETHENE | 8.904 | 164 | 1493 | 0.0975 | PPBV | 96 |

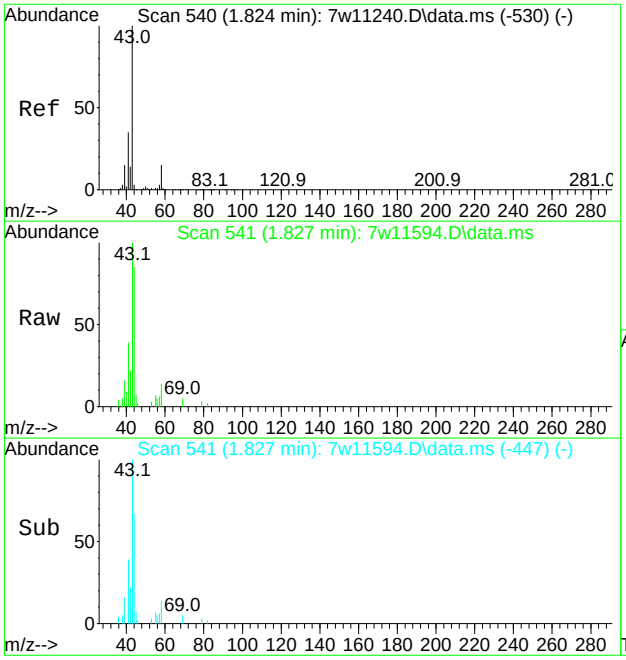
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11594.D
Acq On : 8 Jan 2025 8:22 pm
Operator : benk
Sample : je2491-4(a1688,m143) Inst : MS7W
Misc : MS88104,v7w415,400,,,,143
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 09 04:37:32 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

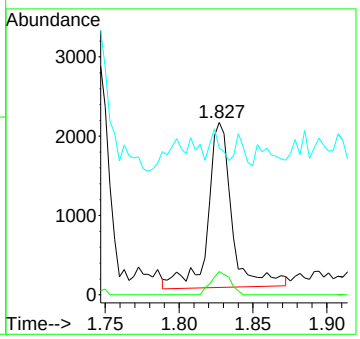


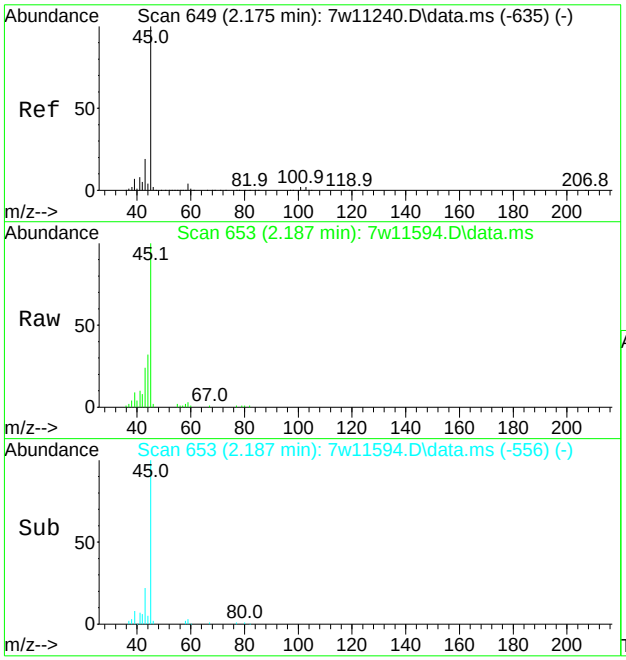



#13
N-BUTANE
Concen: 0.1546 PPBV
RT: 1.827 min Scan# 541
Delta R.T. 0.003 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 43 Resp: 2349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 11.3 | 10.4 | 19.2 |
| 44 | 90.8 | 3.0 | 5.6# |

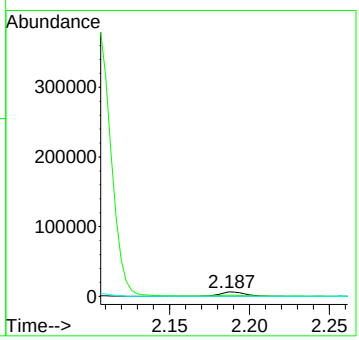


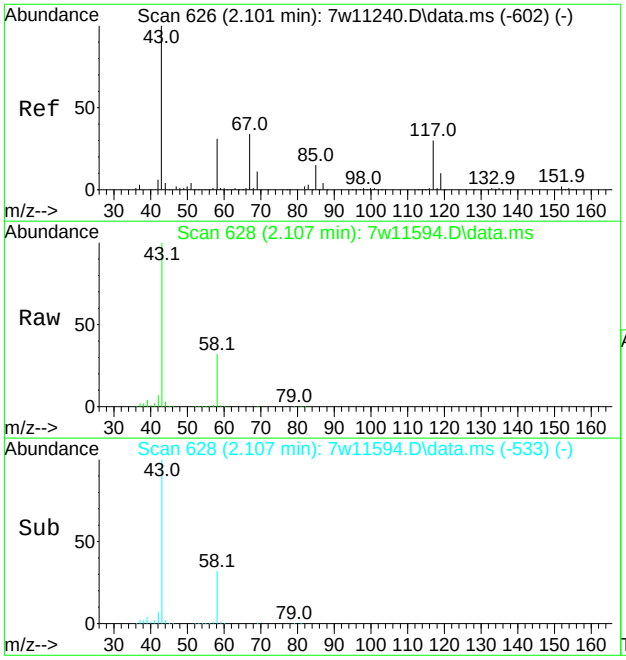




#22
ISOPROPYL ALCOHOL
Concen: 0.3164 PPBV
RT: 2.187 min Scan# 653
Delta R.T. 0.012 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 45 Resp: 6865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 32.2 | 13.9 | 25.9# |
| 59 | 4.0 | 2.8 | 5.2 |

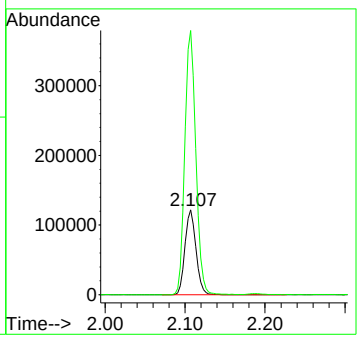


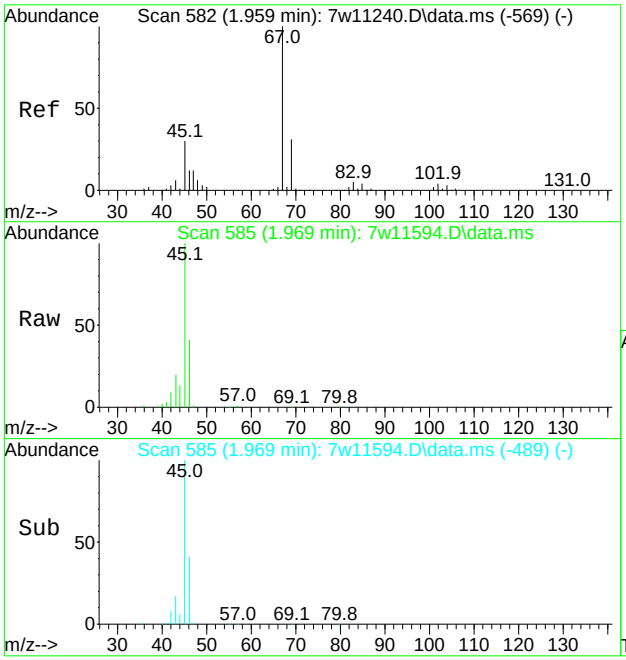



#23
ACETONE
Concen: 17.1281 PPBV
RT: 2.107 min Scan# 628
Delta R.T. 0.006 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 58 Resp: 116563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 310.5 | 234.4 | 435.2 |

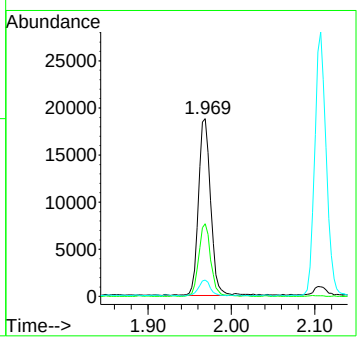


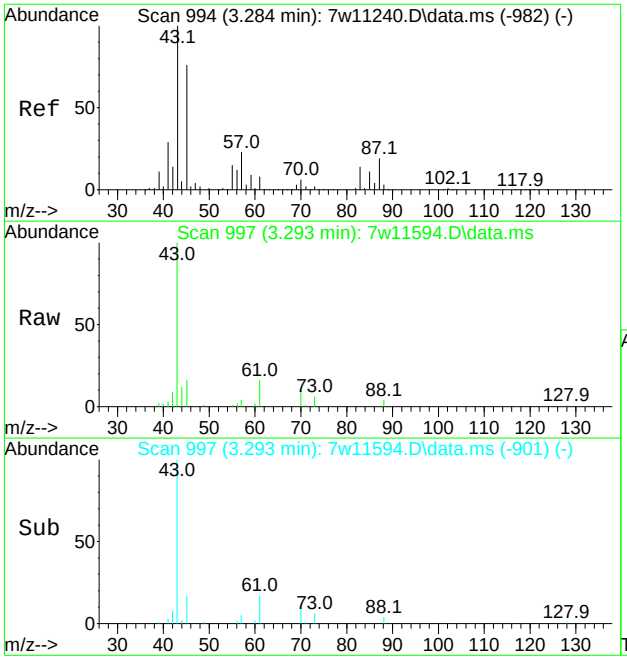




#28
ETHANOL
Concen: 3.2293 PPBV
RT: 1.969 min Scan# 585
Delta R.T. 0.010 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 45 Resp: 19182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 40.4 | 28.6 | 53.0 |
| 42 | 8.7 | 6.3 | 11.7 |

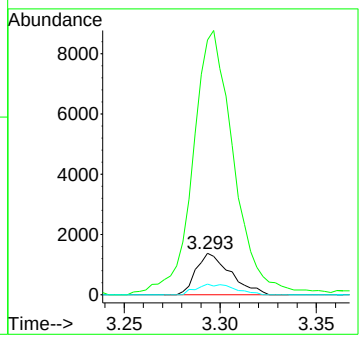


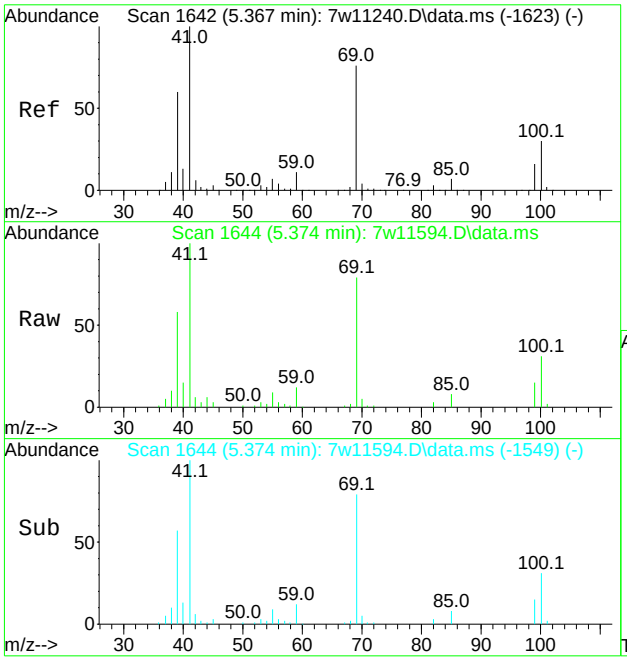



#44
ETHYL ACETATE
Concen: 0.4624 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 61 Resp: 1709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 765.6 | 1005.1 | 1866.5# |
| 88 | 28.8 | 29.3 | 54.5# |

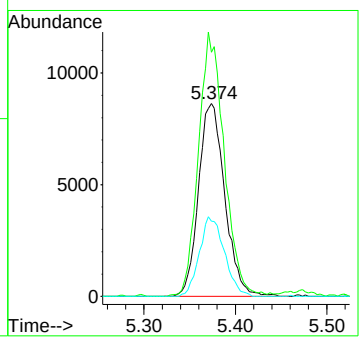


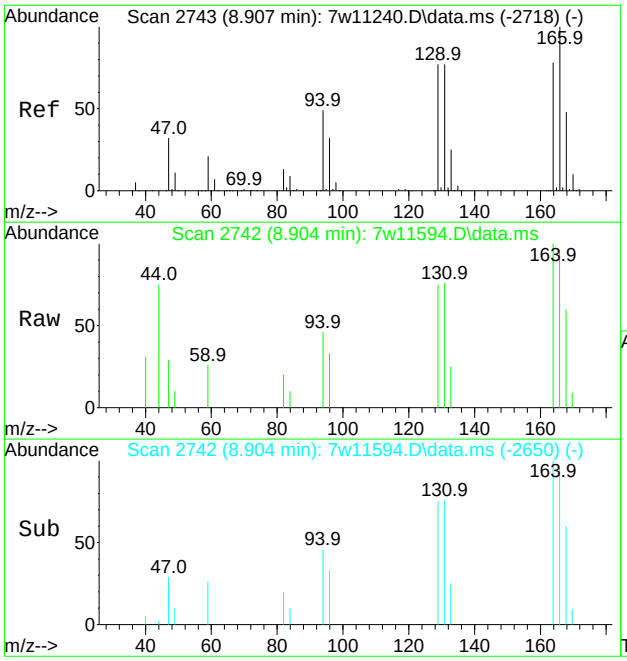




#63
METHYL METHACRYLATE
Concen: 1.3882 PPBV
RT: 5.374 min Scan# 1644
Delta R.T. 0.007 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion: 69 Resp: 17247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 134.5 | 95.5 | 177.4 |
| 100 | 39.1 | 28.3 | 52.7 |

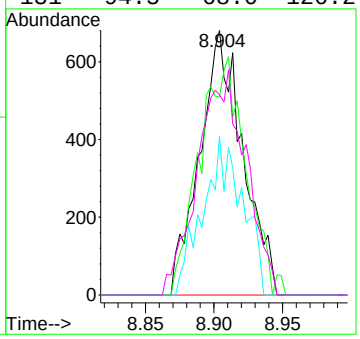





#72
TETRACHLOROETHENE
Concen: 0.0975 PPBV
RT: 8.904 min Scan# 2742
Delta R.T. -0.003 min
Lab File: 7w11594.D
Acq: 8 Jan 2025 8:22 pm

Tgt Ion:164 Resp: 1493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 96.6 | 68.9 | 127.9 |
| 168 | 54.5 | 42.3 | 78.5 |
| 131 | 94.5 | 68.0 | 126.2 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

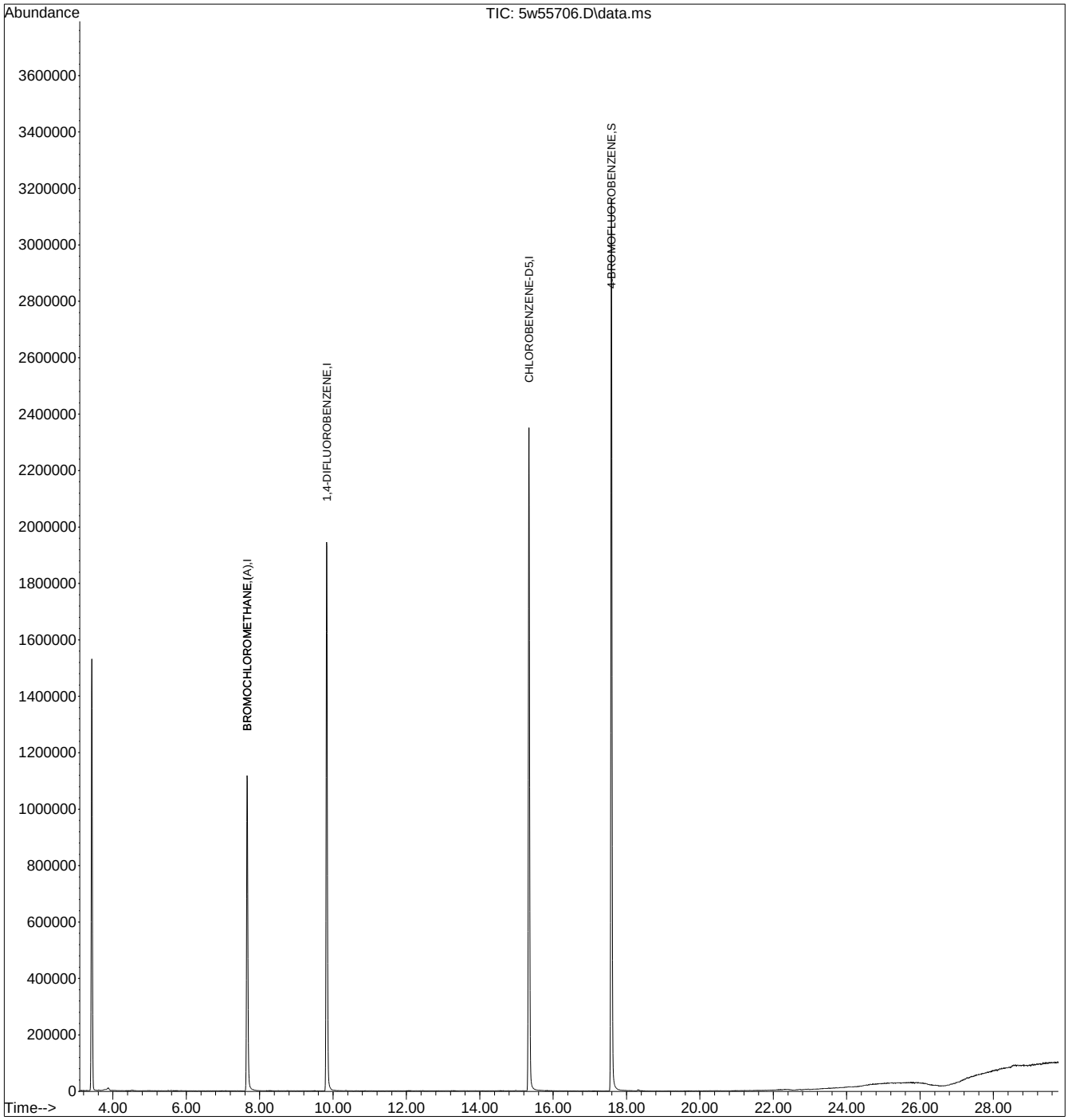
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1754729 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 953484 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 295908 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1170287 | 10.97 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.70% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55706.D
Acq On : 18 Dec 2024 12:51 am
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 19:27:35 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

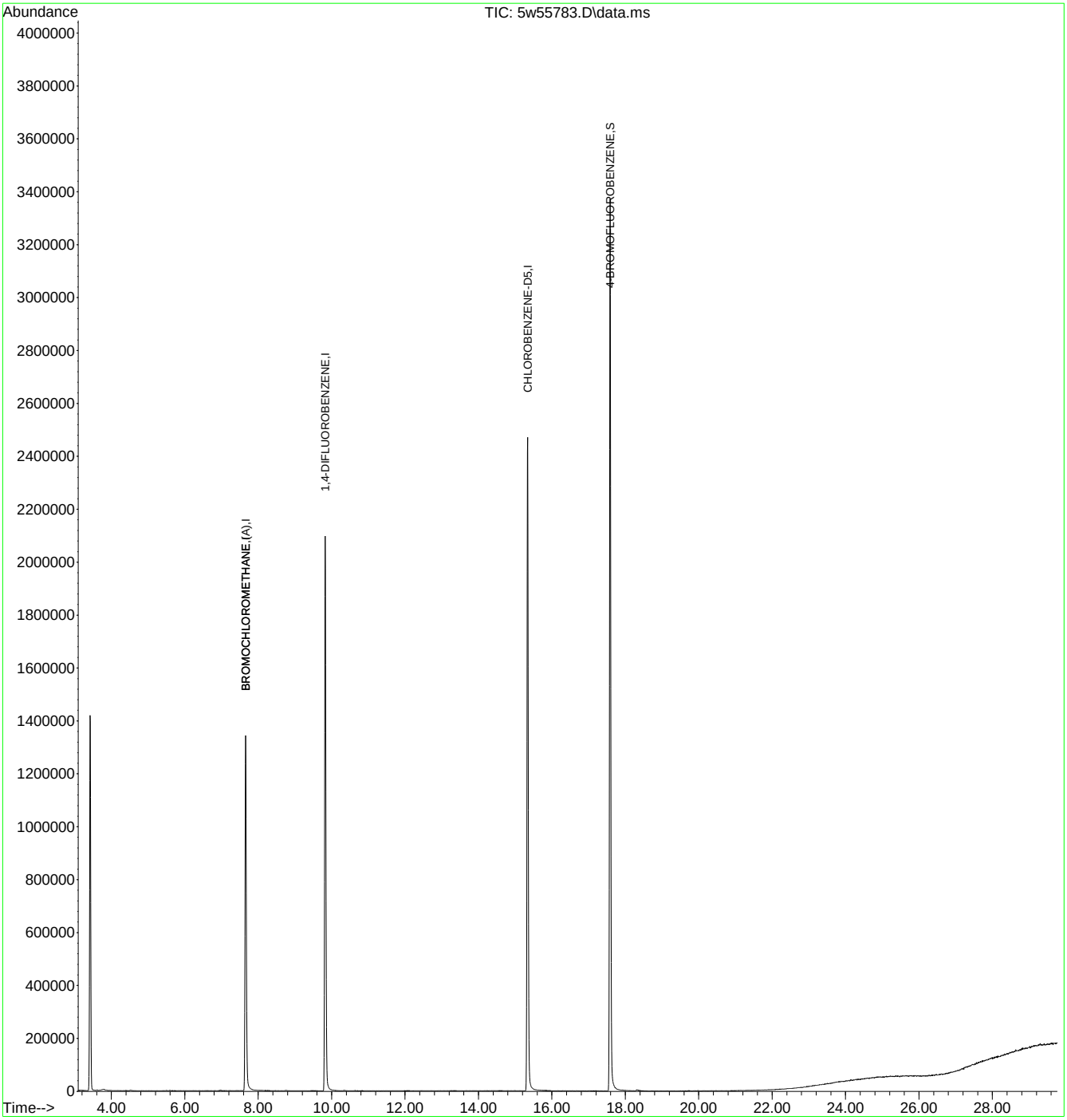
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 420264 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.823 | 114 | 1982756 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 1052285 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 420264 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1308462 | 11.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 111.10% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55783.D
Acq On : 20 Dec 2024 5:06 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 23 07:17:43 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

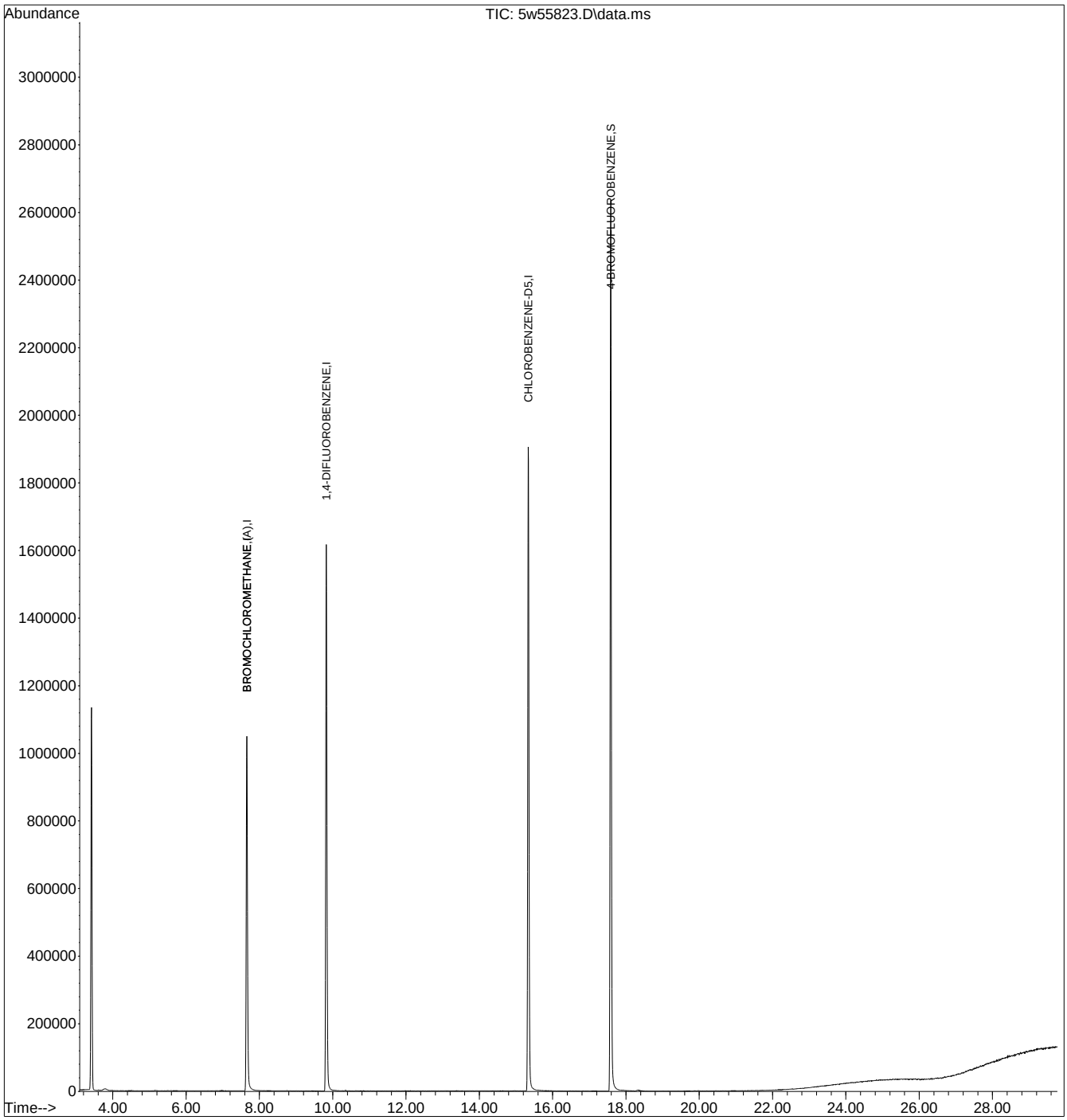
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.657 | 128 | 311710 | 10.00 | PPBV | -0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.822 | 114 | 1493158 | 10.00 | PPBV | -0.01 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 781178 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.657 | 128 | 311710 | 10.00 | PPBV | #-0.01 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 951244 | 10.88 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.80% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55823.D
Acq On : 23 Dec 2024 12:54 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 24 04:46:04 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11539.D
Acq On : 6 Jan 2025 11:35 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w414,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 07 19:08:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

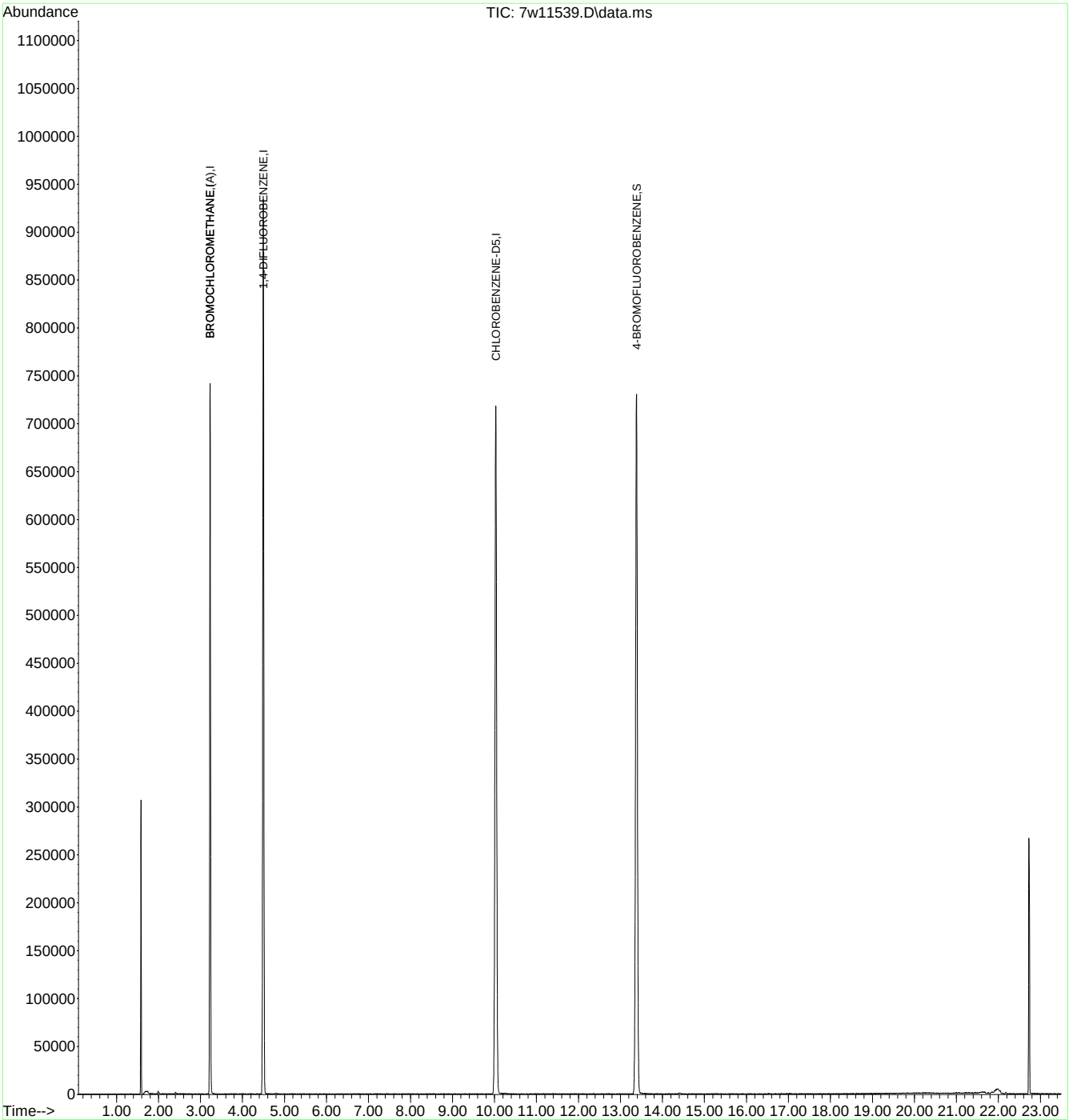
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 136836 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 669533 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 630911 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 136836 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 448798 | 9.80 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11539.D
Acq On : 6 Jan 2025 11:35 pm
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w414,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 07 19:08:23 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

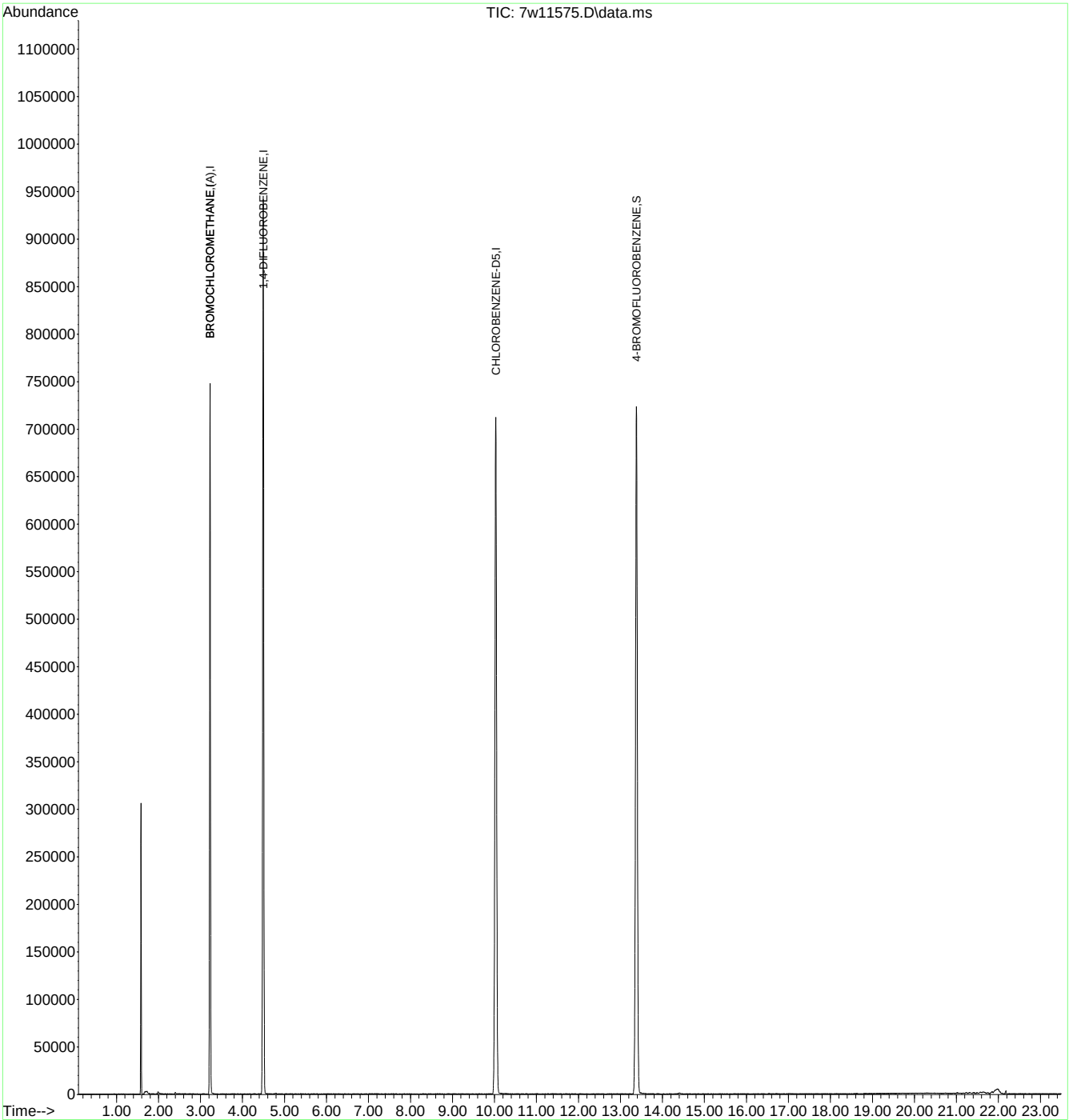
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 136449 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 666104 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 629238 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 136449 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.380 | 95 | 442137 | 9.68 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11575.D
Acq On : 8 Jan 2025 12:11 am
Operator : benk
Sample : mb Inst : MS7W
Misc : MS88386,v7w415,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 08 21:40:00 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 327182 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 306459 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 64026 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 198631 | 8.84 | PPBV | 0.00 |

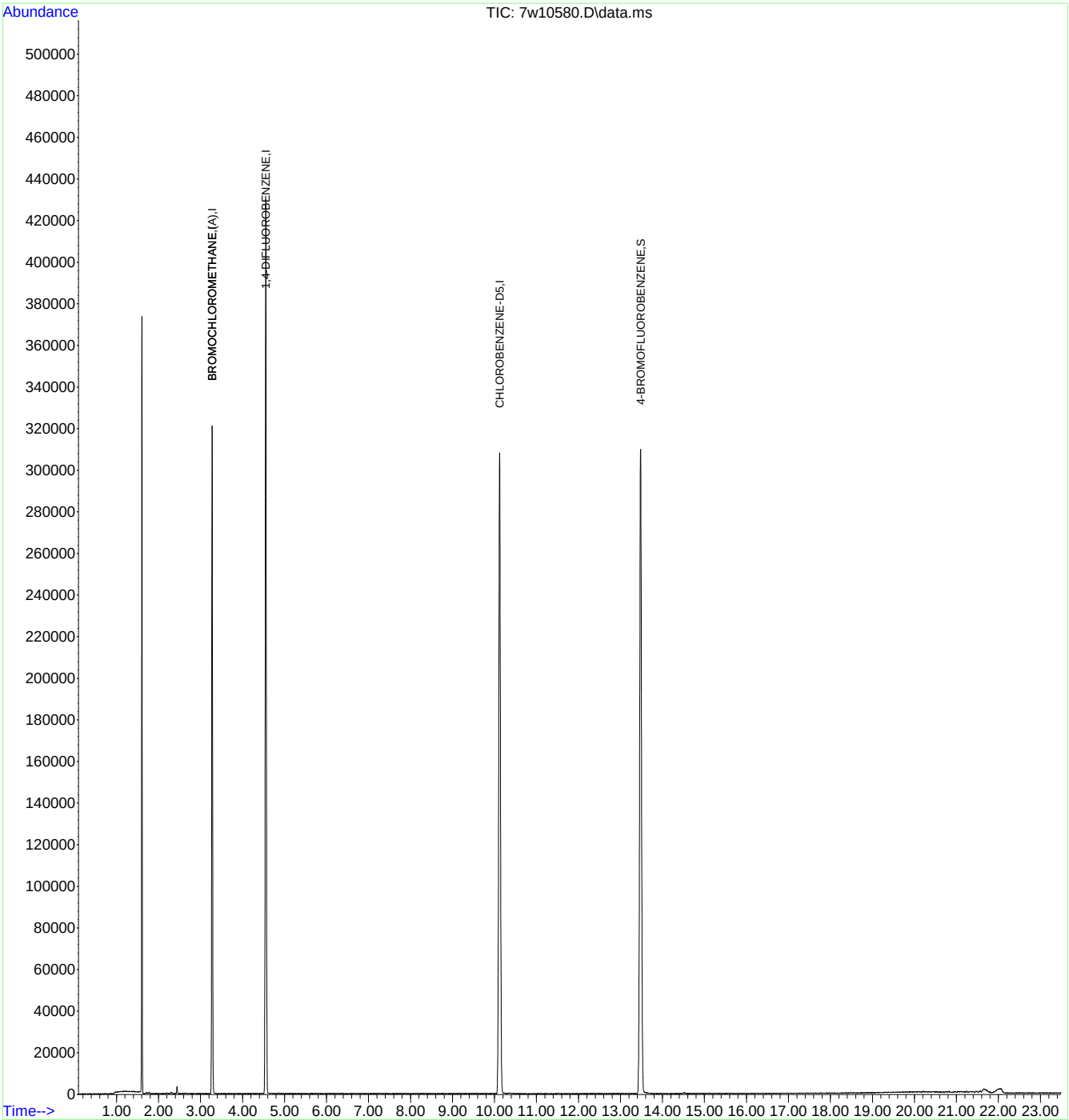
| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\luckyc\
Data File : 7w10580.D
Acq On : 18 Nov 2024 12:04 pm
Operator : bkim
Sample : mb
Misc : MS87131,v7w387,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 11:51:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

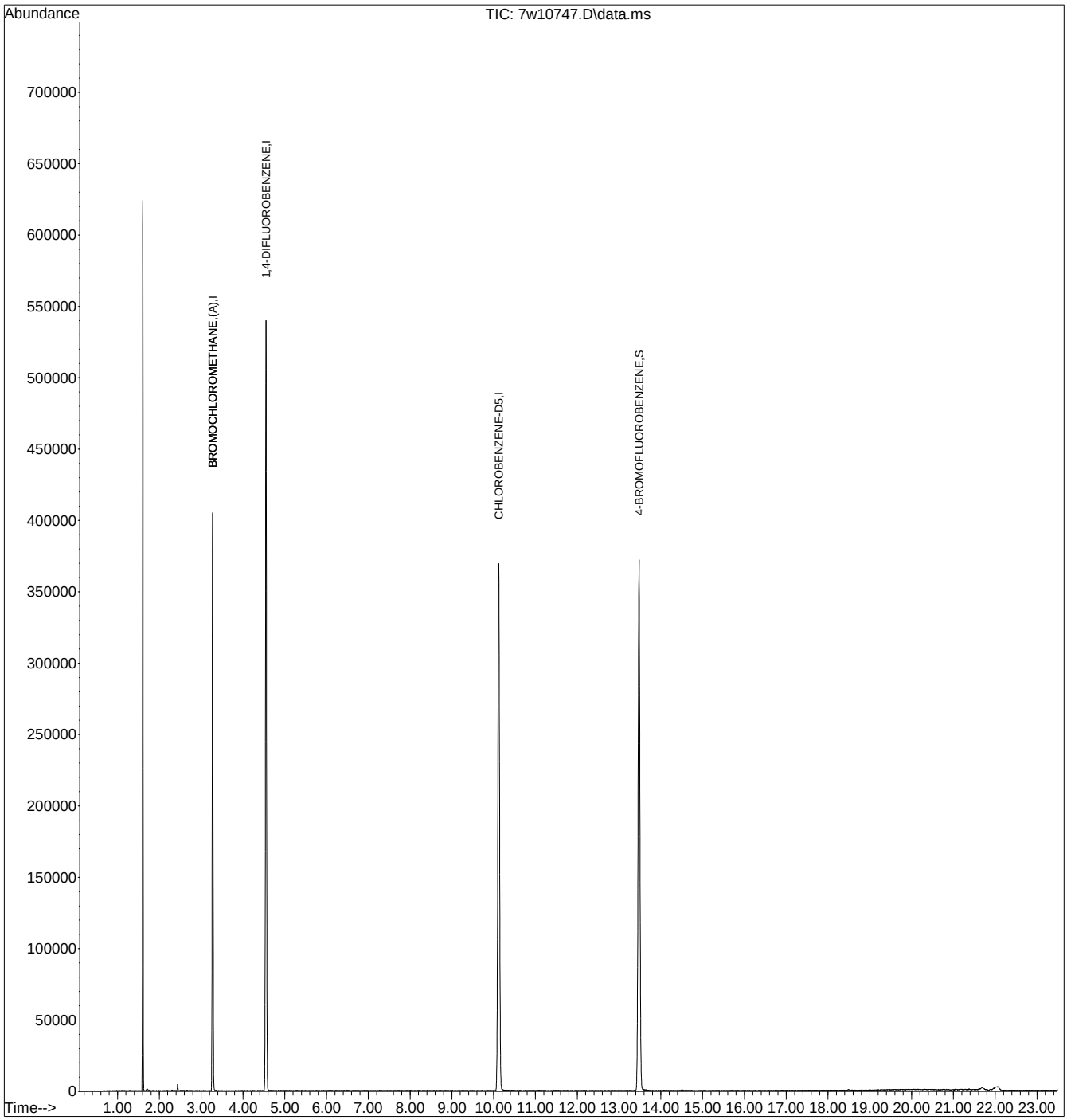
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 407451 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 332375 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 77496 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 229102 | 9.40 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10747.D
Acq On : 25 Nov 2024 11:46 am
Operator : williamc
Sample : mb Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 25 21:32:35 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10814.D
Acq On : 27 Nov 2024 9:31 pm
Operator : benk
Sample : mb
Misc : MS87455,v7w394,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 30 14:47:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

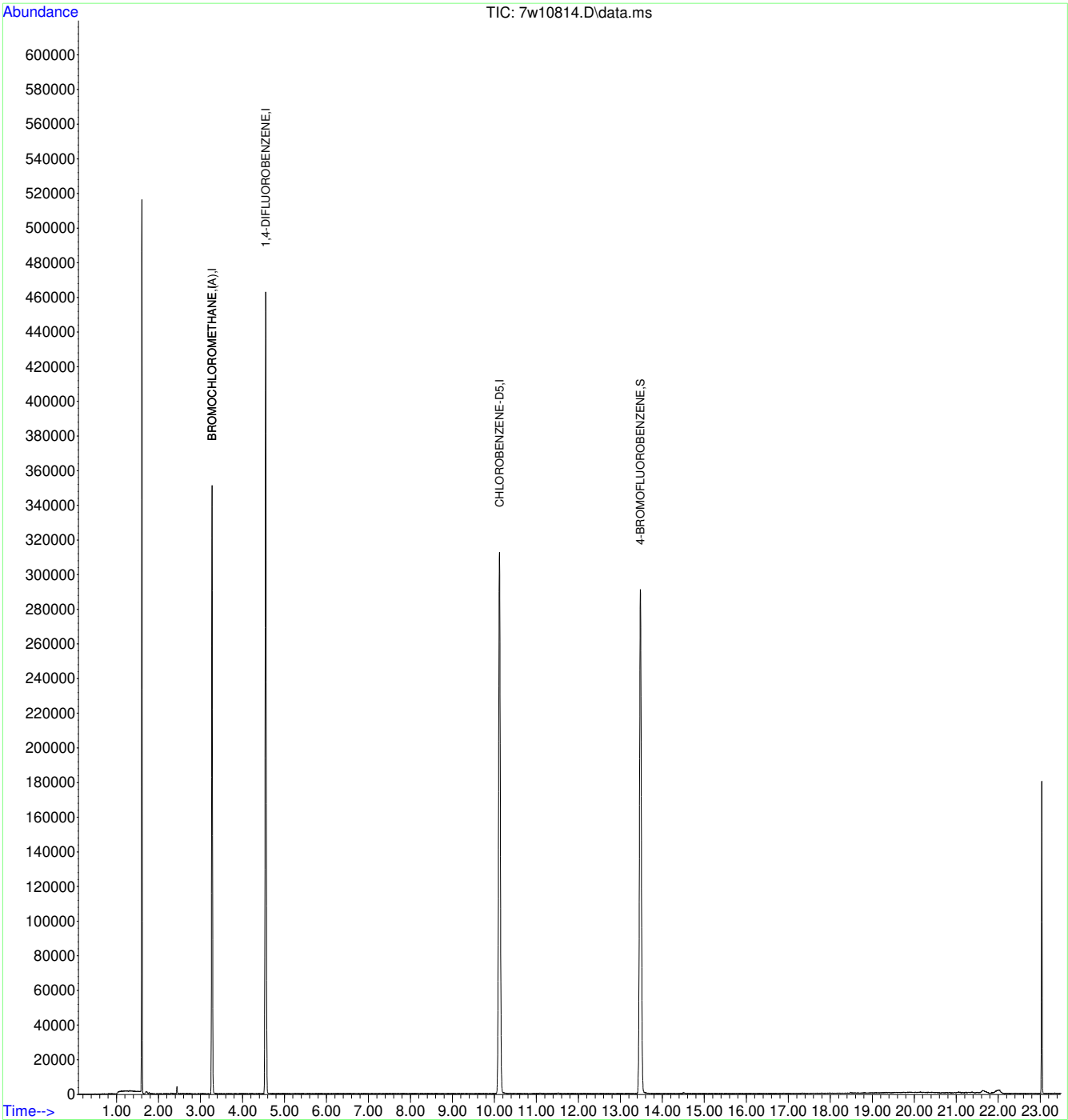
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 63513 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 345001 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 281984 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 63513 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 193103 | 9.34 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10814.D
Acq On : 27 Nov 2024 9:31 pm
Operator : benk
Sample : mb
Misc : MS87455,v7w394,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 30 14:47:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1652348 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 979891 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1238048 | 11.29 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.90% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

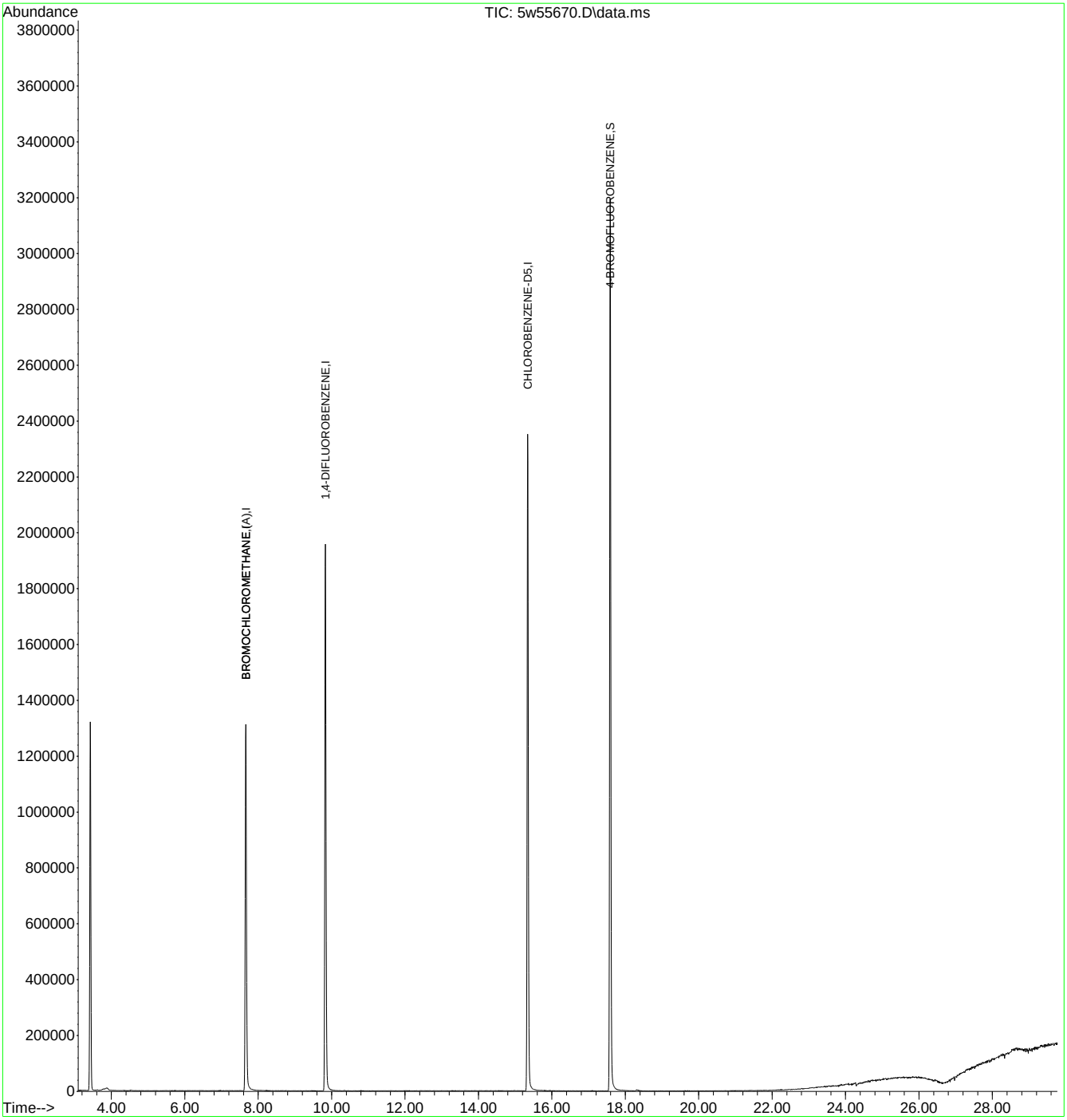
7.2.9

7

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\17 December 2024\v5w2132\
Data File : 5w55670.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : mb Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1454050 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 902926 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 313892 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1012991 | 10.02 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 565739 | 13.1668 | PPBV | 91 |
| 3) FREON 152A | 3.539 | 65 | 284375 | 12.2452 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 159275 | 13.2268 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 564184 | 10.3804 | PPBV | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1415187 | 12.3372 | PPBV | 99 |
| 7) PROPYLENE | 3.594 | 41 | 354111 | 12.2570 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1323070 | 11.2633 | PPBV | 98 |
| 9) FREON 114 | 3.839 | 85 | 1523848 | 10.8301 | PPBV | 95 |
| 10) CHLOROMETHANE | 3.766 | 52 | 140759 | 9.5156 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 501674 | 9.6309 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 328641 | 9.4013 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 677176 | 10.0983 | PPBV | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 501334 | 9.1337 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 221160 | 9.2911 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1186539 | 10.0844 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 382031 | 9.8628 | PPBV | 99 |
| 18) ACROLEIN | 4.708 | 56 | 172478 | 10.1971 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1197754 | 10.1145 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 626407 | 9.9483 | PPBV | 87 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1226758 | 11.5726 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 790681 | 11.7722 | PPBV | 97 |
| 23) ACETONE | 4.818 | 58 | 188311 | 7.4382 | PPBV # | 75 |
| 24) PENTANE | 5.228 | 42 | 412053 | 12.3497 | PPBV | 96 |
| 25) IODOMETHANE | 5.411 | 142 | 1095345 | 12.3862 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 369495 | 11.2461 | PPBV | 92 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1178475 | 12.3977 | PPBV | 97 |
| 28) ETHANOL | 4.451 | 45 | 234765 | 9.5372 | PPBV | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 463255 | 9.9074 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 244683 | 9.3040 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 349487 | 10.6154 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 190768 | 12.5662 | PPBV # | 87 |
| 33) FREON 113 | 5.815 | 151 | 700101 | 12.8166 | PPBV | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 391118 | 11.2651 | PPBV | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 757111 | 11.9832 | PPBV | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1179737 | 13.2568 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 184127 | 13.5162 | PPBV | 90 |
| 38) HEXANE | 7.699 | 57 | 608636 | 12.3752 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 69299 | 12.3275 | PPBV # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 782820 | 12.1315 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 193409 | 14.2049 | PPBV # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 420664 | 11.6767 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 186180 | 12.4621 | PPBV # | 85 |
| 44) ETHYL ACETATE | 7.742 | 61 | 140521 | 13.9905 | PPBV # | 97 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 787676 | 13.1741 | PPBV | 98 |
| 46) CHLOROFORM | 7.803 | 83 | 999111 | 12.3991 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 691755 | 12.8610 | PPBV | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1006425 | 12.3007 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1065043 | 12.3166 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 713469 | 13.6130 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1257021 | 11.9271 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 486536 | 12.2895 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 259732 | 12.1515 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 606209 | 10.9106 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 487323 | 10.8937 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 698985 | 12.8515 | PPBV | | 85 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 966249 | 13.6926 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1178495 | 12.1464 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1917970 | 11.9840 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 278430 | 11.3444 | PPBV | | 92 |
| 62) | HEPTANE | 11.027 | 43 | 734912 | 13.1469 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 466996 | 13.3286 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 380109 | 12.7624 | PPBV | # | 84 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 867878 | 12.7711 | PPBV | | 93 |
| 66) | TOLUENE | 12.955 | 92 | 833668 | 11.3092 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 782394 | 12.0642 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 789840 | 12.6276 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 514691 | 11.5580 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.358 | 58 | 543573 | 12.7616 | PPBV | | 83 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 807428 | 12.9466 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 702048 | 11.9038 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1035622 | 10.7992 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 887287 | 11.1580 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1070818 | 13.5020 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 668416 | 10.0948 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1154772 | 9.9346 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1956239 | 11.7515 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1371318 | 21.7102 | PPBV | | 92 |
| 81) | o-XYLENE | 16.900 | 106 | 681674 | 11.1179 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1052497 | 11.9681 | PPBV | | 95 |
| 83) | NONANE | 17.310 | 43 | 1118669 | 13.5163 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1443015 | 14.7072 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1389683 | 11.2759 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 990307 | 11.1286 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1992471 | 10.5020 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1163694 | 10.8599 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 481256 | 10.1243 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 515888 | 10.7259 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2026620 | 11.5739 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1698402 | 11.3495 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 797961 | 9.8784 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 342276 | 10.4760 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1838391 | 11.7088 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1339814 | 10.8375 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1865291 | 11.0684 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1301886 | 11.2793 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 412760 | 10.5885 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1793961 | 11.2501 | PPBV | # | 98 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 475123 | 10.3705 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1223964 | 10.9062 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 455939 | 10.8186 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 953521 | 12.1375 | PPBV | # | 81 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1732900 | 16.4128 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1430193 | 14.3025 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2358681 | 10.7459 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2726987 | 11.0975 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

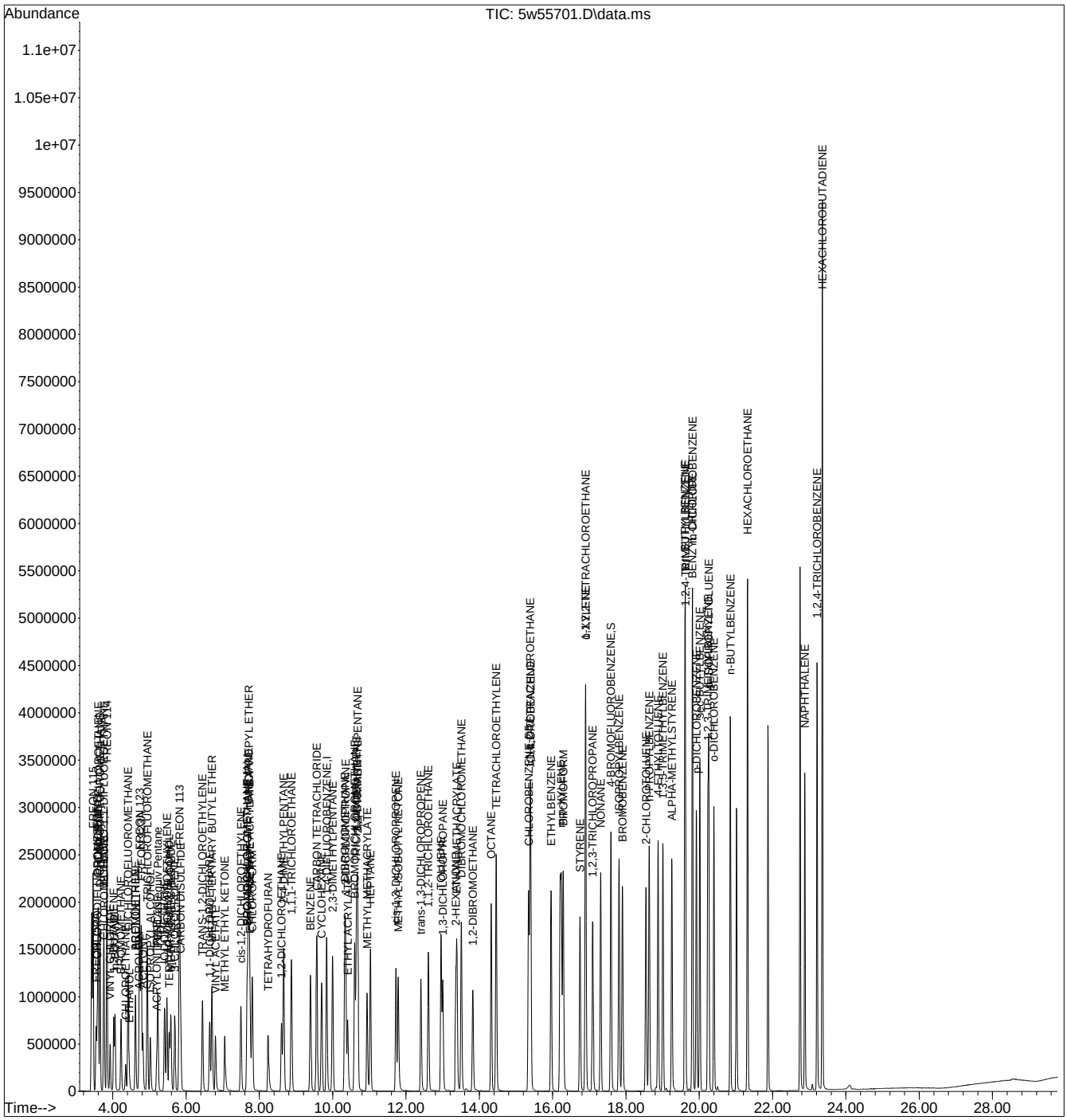
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55701.D
Acq On : 17 Dec 2024 9:13 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 319491 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1462454 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 906713 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 319491 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1005252 | 9.91 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.454 | 119 | 523028 | 11.9594 | PPBV | | 88 |
| 3) FREON 152A | 3.533 | 65 | 278056 | 11.7633 | PPBV | | 93 |
| 4) CHLORODIFLUOROMETHANE | 3.564 | 67 | 155658 | 12.6999 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 3.595 | 116 | 549136 | 9.9265 | PPBV | | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.644 | 85 | 1386093 | 11.8718 | PPBV | | 99 |
| 7) PROPYLENE | 3.588 | 41 | 355035 | 12.0736 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.748 | 65 | 1414411 | 11.8298 | PPBV | | 98 |
| 9) FREON 114 | 3.833 | 85 | 1603406 | 11.1958 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.760 | 52 | 152620 | 10.1366 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.919 | 62 | 535334 | 10.0970 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.017 | 54 | 348917 | 9.8064 | PPBV | # | 83 |
| 13) n-BUTANE | 4.053 | 43 | 718682 | 10.5294 | PPBV | | 97 |
| 14) BROMOMETHANE | 4.219 | 94 | 516272 | 9.2410 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 224643 | 9.2721 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 4.408 | 67 | 1207581 | 10.0834 | PPBV | | 97 |
| 17) ACETONITRILE | 4.610 | 41 | 384779 | 9.7597 | PPBV | | 98 |
| 18) ACROLEIN | 4.702 | 56 | 172931 | 10.0447 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1196430 | 9.9263 | PPBV | | 99 |
| 20) FREON 123A | 4.763 | 117 | 630011 | 9.8302 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1229725 | 11.3973 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.014 | 45 | 763115 | 11.1627 | PPBV | | 97 |
| 23) ACETONE | 4.812 | 58 | 190310 | 7.3855 | PPBV | # | 73 |
| 24) PENTANE | 5.222 | 42 | 395773 | 11.6539 | PPBV | | 95 |
| 25) IODOMETHANE | 5.405 | 142 | 1000997 | 11.1209 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 389796 | 11.6561 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 5.840 | 76 | 1221179 | 12.6219 | PPBV | | 97 |
| 28) ETHANOL | 4.445 | 45 | 240425 | 9.5959 | PPBV | | 98 |
| 29) BROMOETHENE | 4.610 | 106 | 479535 | 10.0759 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.191 | 52 | 233936 | 8.7395 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.577 | 84 | 372212 | 11.1075 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 5.681 | 76 | 197475 | 12.7801 | PPBV | # | 86 |
| 33) FREON 113 | 5.809 | 151 | 716925 | 12.8946 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.439 | 96 | 404836 | 11.4559 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.534 | 59 | 802450 | 12.4782 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1222293 | 13.4943 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 194280 | 14.0116 | PPBV | | 92 |
| 38) HEXANE | 7.693 | 57 | 631896 | 12.6230 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 72188 | 12.6164 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 803245 | 12.2299 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.045 | 72 | 200051 | 14.4352 | PPBV | # | 76 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 434125 | 11.8391 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 192063 | 12.6306 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.736 | 61 | 147247 | 14.4032 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 811813 | 13.3399 | PPBV | | 98 |
| 46) CHLOROFORM | 7.804 | 83 | 1037123 | 12.6453 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 720377 | 13.1585 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1037001 | 12.4523 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1093220 | 12.4209 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 736647 | 13.8089 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1307486 | 12.3347 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 503829 | 12.6532 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 275093 | 12.7962 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 626809 | 11.2165 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 506804 | 11.2641 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 714172 | 13.0552 | PPBV | | 86 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1004441 | 14.1520 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1210939 | 12.4090 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1992264 | 12.3767 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 295490 | 11.9703 | PPBV | # | 88 |
| 62) | HEPTANE | 11.021 | 43 | 764169 | 13.5917 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 482843 | 13.7017 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 392461 | 13.1014 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 895059 | 13.0954 | PPBV | | 92 |
| 66) | TOLUENE | 12.955 | 92 | 853406 | 11.5104 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 799011 | 12.2496 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 820148 | 13.0368 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 531421 | 11.8651 | PPBV | | 95 |
| 71) | 2-HEXANONE | 13.352 | 58 | 565228 | 13.2145 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 832567 | 13.2939 | PPBV | | 93 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 713567 | 12.0486 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1064490 | 11.0538 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 904377 | 11.3254 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1098704 | 13.7958 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 683441 | 10.2786 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1173195 | 10.0509 | PPBV | | 94 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1995933 | 11.9399 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1397327 | 22.0296 | PPBV | | 92 |
| 81) | o-XYLENE | 16.894 | 106 | 689056 | 11.1913 | PPBV | | 92 |
| 82) | STYRENE | 16.748 | 104 | 1070082 | 12.1172 | PPBV | | 96 |
| 83) | NONANE | 17.304 | 43 | 1142765 | 13.7498 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1447121 | 14.6874 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1420053 | 11.4742 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 999791 | 11.1883 | PPBV | | 94 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2005084 | 10.5243 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1178775 | 10.9547 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 478616 | 10.0267 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 512163 | 10.6039 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2023010 | 11.5050 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1692790 | 11.2647 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 799215 | 9.8526 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 342490 | 10.4388 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1839909 | 11.6695 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1324406 | 10.6681 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1867818 | 11.0371 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1270477 | 10.9612 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 402854 | 10.2912 | PPBV | # | 85 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1789023 | 11.1722 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 473759 | 10.2976 | PPBV | | 95 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1198677 | 10.6362 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 451413 | 10.6664 | PPBV | # | 76 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 916453 | 11.6169 | PPBV | # | 83 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1608418 | 15.1702 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1301197 | 12.9582 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2226962 | 10.1034 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2569000 | 10.2713 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

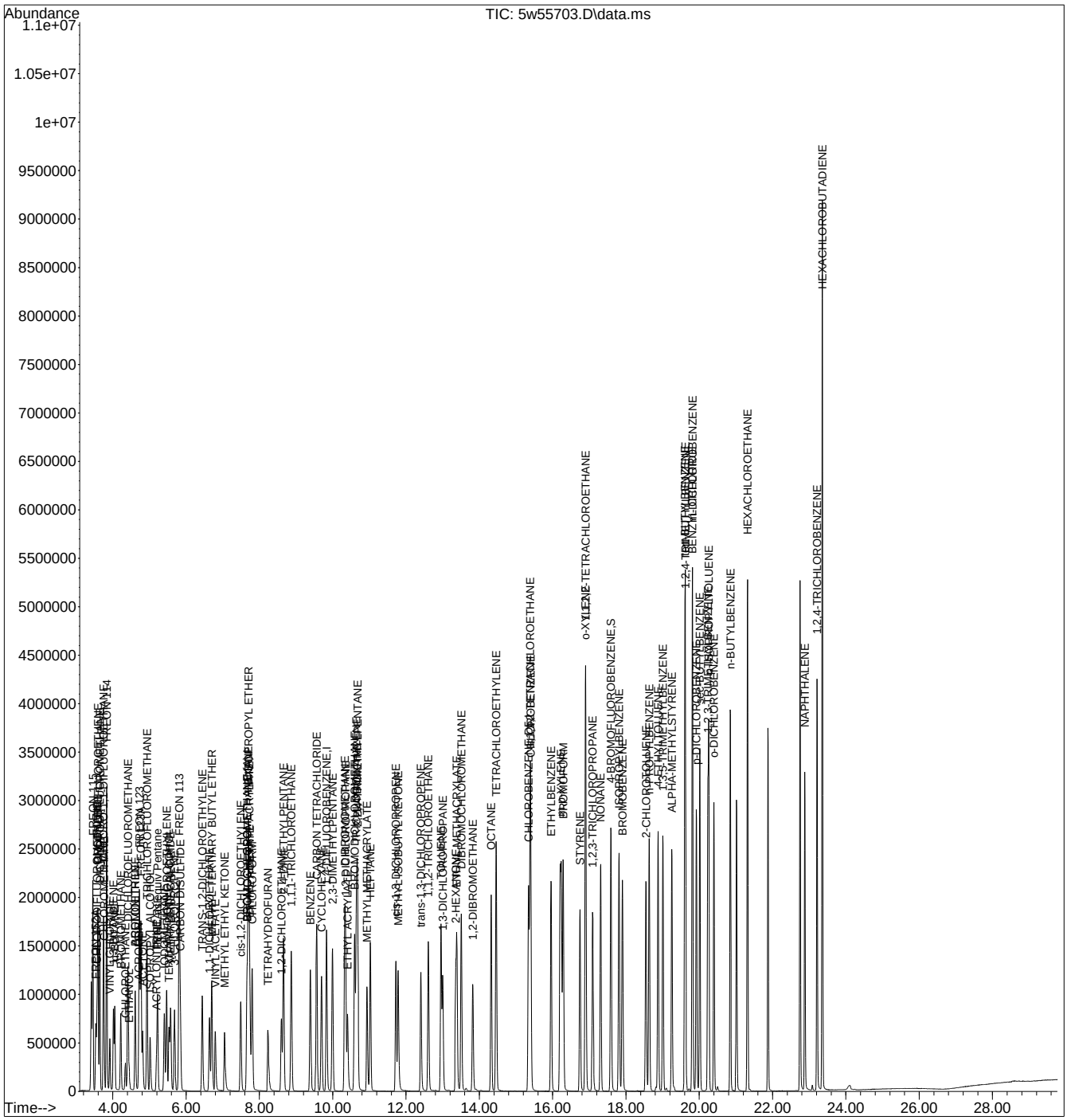
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55703.D
Acq On : 17 Dec 2024 10:35 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:33:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 349857 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1633756 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 962940 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 349857 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1093279 | 10.15 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 668446 | 13.9579 | PPBV | | 96 |
| 3) FREON 152A | 3.540 | 65 | 334393 | 12.9188 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 167162 | 12.4548 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 693274 | 11.4443 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1525866 | 11.9346 | PPBV | | 99 |
| 7) PROPYLENE | 3.595 | 41 | 400344 | 12.4328 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1228092 | 9.3800 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1400695 | 8.9315 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.766 | 52 | 129999 | 7.8848 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 443987 | 7.6473 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 286476 | 7.3527 | PPBV | # | 82 |
| 13) n-BUTANE | 4.060 | 43 | 581553 | 7.7808 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 463147 | 7.5706 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.347 | 64 | 196810 | 7.4182 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1056181 | 8.0537 | PPBV | | 98 |
| 17) ACETONITRILE | 4.610 | 41 | 320467 | 7.4229 | PPBV | | 98 |
| 18) ACROLEIN | 4.708 | 56 | 148968 | 7.9018 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1088425 | 8.2464 | PPBV | | 99 |
| 20) FREON 123A | 4.769 | 117 | 603546 | 8.5999 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 4.934 | 101 | 1293637 | 10.9490 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 831155 | 11.1027 | PPBV | | 99 |
| 23) ACETONE | 4.812 | 58 | 168768 | 5.9810 | PPBV | # | 76 |
| 24) PENTANE | 5.222 | 42 | 454972 | 12.2343 | PPBV | | 98 |
| 25) IODOMETHANE | 5.412 | 142 | 1294788 | 13.1364 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.473 | 96 | 432726 | 11.8167 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 1321614 | 12.4743 | PPBV | | 99 |
| 28) ETHANOL | 4.445 | 45 | 202750 | 7.3899 | PPBV | | 97 |
| 29) BROMOETHENE | 4.610 | 106 | 439306 | 8.4294 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 270767 | 9.2375 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 404329 | 11.0187 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 220115 | 13.0088 | PPBV | | 98 |
| 33) FREON 113 | 5.809 | 151 | 798279 | 13.1117 | PPBV | | 87 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 456547 | 11.7979 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 822785 | 11.6839 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1330725 | 13.4163 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 216466 | 14.2566 | PPBV | | 100 |
| 38) HEXANE | 7.694 | 57 | 662491 | 12.0855 | PPBV | | 96 |
| 39) VINYL ACETATE | 6.800 | 86 | 83207 | 13.2800 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 873079 | 12.1394 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 224723 | 14.8080 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 488762 | 12.1723 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 199164 | 11.9607 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.742 | 61 | 150677 | 13.4595 | PPBV | # | 99 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 847729 | 12.7210 | PPBV | | 99 |
| 46) CHLOROFORM | 7.804 | 83 | 1104554 | 12.2986 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 775642 | 12.9382 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 1114918 | 12.2259 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1197111 | 12.4207 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 743486 | 12.7274 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1466428 | 12.3836 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 572471 | 12.8696 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 306384 | 12.7574 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 675373 | 10.8184 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 544941 | 10.8418 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 840847 | 13.7592 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1048650 | 13.2257 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1271551 | 11.6639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2088781 | 11.6157 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 319854 | 11.5987 | PPBV | # | 66 |
| 62) | HEPTANE | 11.022 | 43 | 798745 | 12.7171 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 528775 | 13.4318 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 414066 | 12.3733 | PPBV | | 89 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 983544 | 12.8812 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 982519 | 11.8624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 889736 | 12.2103 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 892331 | 12.6969 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 577507 | 11.5421 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 593592 | 13.0673 | PPBV | | 89 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 903808 | 13.5888 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 827102 | 13.1502 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1193816 | 11.6729 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1016432 | 11.9855 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1146209 | 13.5519 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 775629 | 10.9840 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1336362 | 10.7803 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2245025 | 12.6458 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1611726 | 23.9260 | PPBV | | 99 |
| 81) | o-XYLENE | 16.895 | 106 | 775717 | 11.8632 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1254605 | 13.3772 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1181678 | 13.3878 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1640813 | 15.6809 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1481393 | 11.2709 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1103313 | 11.6258 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2333158 | 11.5312 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1298672 | 11.3642 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 584497 | 11.5299 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 617219 | 12.0329 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2366258 | 12.6713 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1966548 | 12.3223 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 957803 | 11.1181 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 397102 | 11.3966 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2041507 | 12.1921 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1500735 | 11.3825 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1999548 | 11.1256 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1504333 | 12.2209 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 488396 | 11.7480 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2033388 | 11.9568 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 552369 | 11.3052 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1399709 | 11.6948 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 551932 | 12.2801 | PPBV | | 94 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 1028540 | 12.2764 | PPBV | # | 77 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 2083553 | 18.5041 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1784426 | 16.7328 | PPBV | | 94 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2875261 | 12.2830 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.222 | TIC | 2905168 | 10.6072 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

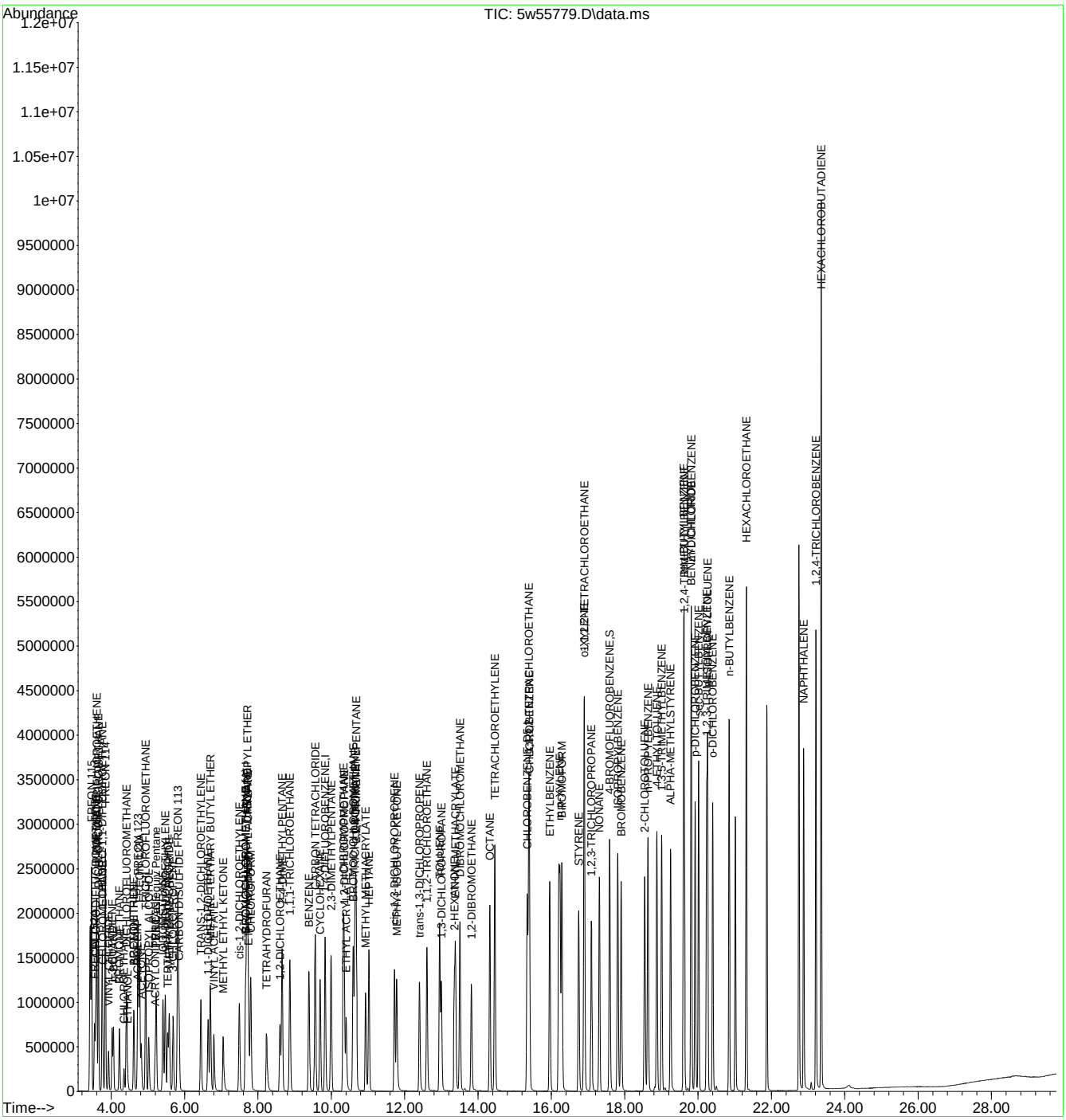
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55779.D
Acq On : 20 Dec 2024 1:55 pm
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:29 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 369460 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1679765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 969387 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 369460 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1076805 | 9.93 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.30% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 652179 | 12.8956 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 330096 | 12.0761 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 165064 | 11.6459 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 680233 | 10.6332 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1512526 | 11.2025 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 393441 | 11.5701 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1215798 | 8.7934 | PPBV | | 99 |
| 9) FREON 114 | 3.845 | 85 | 1400828 | 8.4584 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 129040 | 7.4113 | PPBV | # | 66 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 444406 | 7.2483 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 286639 | 6.9665 | PPBV | | 83 |
| 13) n-BUTANE | 4.066 | 43 | 569571 | 7.2162 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 463485 | 7.1741 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 195048 | 6.9617 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1046503 | 7.5565 | PPBV | | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 311756 | 6.8380 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 147358 | 7.4017 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1087109 | 7.7994 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 602804 | 8.1336 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1341767 | 10.7538 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 872525 | 11.0369 | PPBV | | 100 |
| 23) ACETONE | 4.818 | 58 | 174504 | 5.8562 | PPBV | # | 81 |
| 24) PENTANE | 5.228 | 42 | 475533 | 12.1087 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1422146 | 13.6629 | PPBV | | 92 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 468088 | 12.1042 | PPBV | | 96 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1408204 | 12.5864 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 193277 | 6.6708 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 440847 | 8.0102 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 288473 | 9.3193 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 433740 | 11.1930 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 234311 | 13.1131 | PPBV | | 95 |
| 33) FREON 113 | 5.815 | 151 | 856373 | 13.3195 | PPBV | | 86 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 483767 | 11.8380 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 857174 | 11.5264 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 1396778 | 13.3351 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 224810 | 14.0206 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 691663 | 11.9482 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.800 | 86 | 91003 | 13.7536 | PPBV | # | 86 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 898409 | 11.8288 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 237750 | 14.8352 | PPBV | | 98 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 513245 | 12.1038 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 207810 | 11.8178 | PPBV | | 93 |
| 44) ETHYL ACETATE | 7.749 | 61 | 159126 | 13.4600 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 877087 | 12.4632 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1144043 | 12.0624 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 806062 | 12.7323 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1140597 | 11.8439 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 1232433 | 12.1088 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 750596 | 12.1674 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1524034 | 12.5175 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 601732 | 13.1569 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 318311 | 12.8910 | PPBV | | 92 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 697398 | 10.8652 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 553647 | 10.7133 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 878899 | 13.9880 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 1076397 | 13.2038 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1302635 | 11.6218 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2159376 | 11.6794 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 332292 | 11.7197 | PPBV | | 95 |
| 62) | HEPTANE | 11.028 | 43 | 812411 | 12.5804 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 547979 | 13.5383 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 433216 | 12.5909 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 1013809 | 12.9139 | PPBV | | 99 |
| 66) | TOLUENE | 12.955 | 92 | 1007513 | 11.8309 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 906658 | 12.1017 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 913108 | 12.6367 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 595375 | 11.5733 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 614674 | 13.4414 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 929643 | 13.8842 | PPBV | | 99 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 847441 | 13.3840 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1236879 | 12.0136 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 1042952 | 12.2164 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1171200 | 13.7553 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 785180 | 11.0453 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1362723 | 10.9199 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2284677 | 12.7835 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1642770 | 24.2247 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 782182 | 11.8825 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 1268317 | 13.4334 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 1183154 | 13.3154 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 1672241 | 15.8749 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1494937 | 11.2983 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1110452 | 11.6232 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2329406 | 11.4361 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1293238 | 11.2414 | PPBV | | 91 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 574317 | 11.2537 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 610319 | 11.8192 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2332909 | 12.4097 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1934586 | 12.0414 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 930336 | 10.7275 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 389480 | 11.1035 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 2006133 | 11.9012 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1467435 | 11.0560 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1973103 | 10.9055 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1461296 | 11.7924 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 471924 | 11.2763 | PPBV | | 95 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1961083 | 11.4549 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 537464 | 10.9270 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1348451 | 11.1916 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525823 | 11.6214 | PPBV | | 92 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 997211 | 11.8233 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1925601 | 16.9876 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1612506 | 15.0202 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.878 | 128 | 2659668 | 11.2864 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 3050934 | 10.5484 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

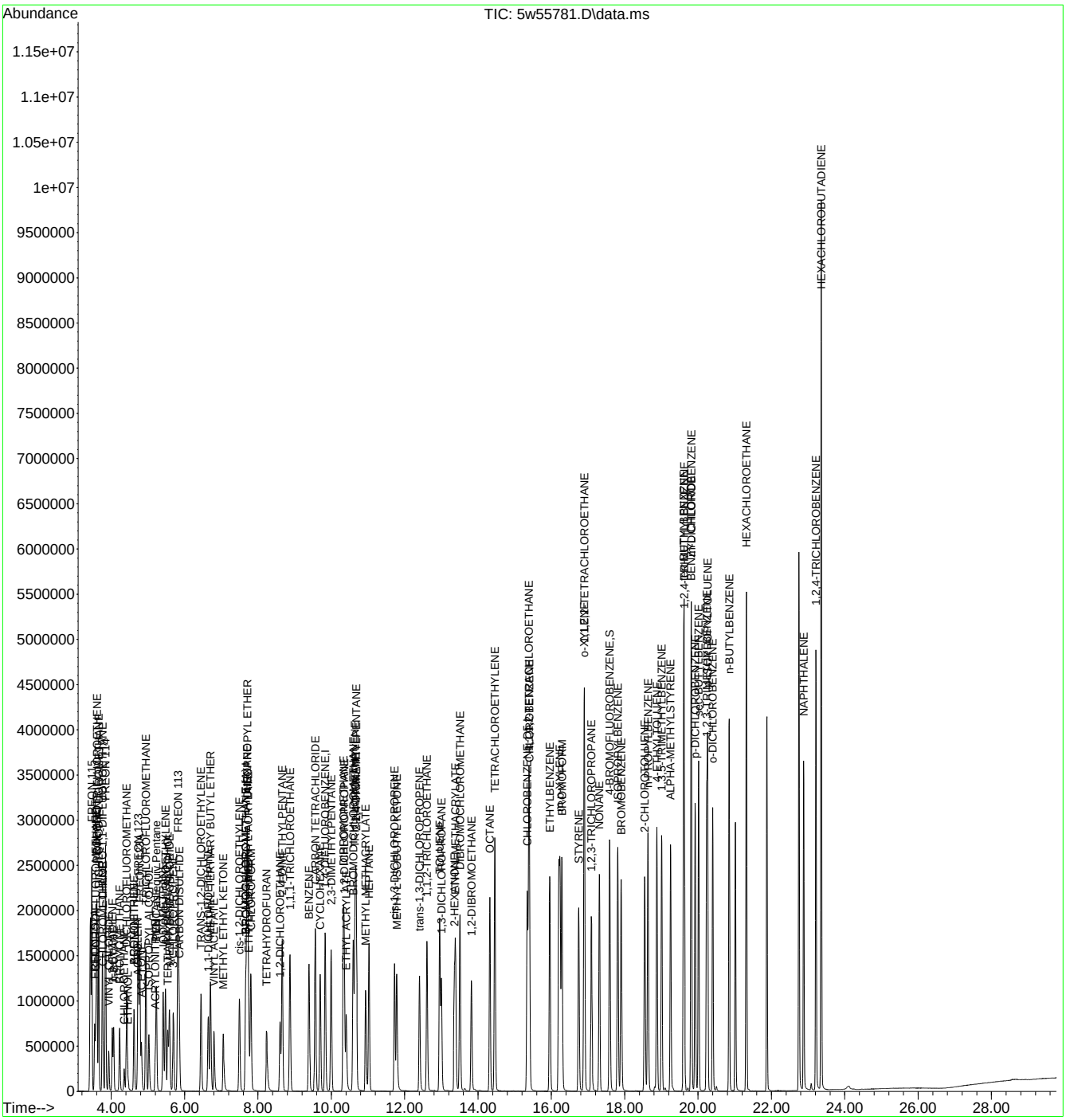
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55781.D
Acq On : 20 Dec 2024 3:34 pm
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:07:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 261510 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1220164 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 739045 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 261510 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 836030 | 10.11 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 435542 | 12.1670 | PPBV | | 92 |
| 3) FREON 152A | 3.546 | 65 | 206251 | 10.6601 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 115623 | 11.5251 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 448626 | 9.9077 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1068770 | 11.1835 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 255077 | 10.5976 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1110212 | 11.3443 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1395849 | 11.9075 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 121755 | 9.8796 | PPBV | # | 75 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 474344 | 10.9303 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 314422 | 10.7962 | PPBV | | 90 |
| 13) n-BUTANE | 4.059 | 43 | 614499 | 10.9991 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.225 | 94 | 473815 | 10.3614 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209045 | 10.5413 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 1075661 | 10.9733 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 337949 | 10.4724 | PPBV | | 99 |
| 18) ACROLEIN | 4.708 | 56 | 158913 | 11.2771 | PPBV | | 99 |
| 19) FREON 123 | 4.726 | 83 | 1099754 | 11.1472 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 583898 | 11.1307 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 979961 | 11.0962 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 584169 | 10.4397 | PPBV | | 99 |
| 23) ACETONE | 4.818 | 58 | 174923 | 8.2934 | PPBV | | 93 |
| 24) PENTANE | 5.228 | 42 | 305706 | 10.9976 | PPBV | | 98 |
| 25) IODOMETHANE | 5.411 | 142 | 929996 | 12.6229 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 295468 | 10.7944 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 900076 | 11.3656 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 219548 | 10.7055 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 436004 | 11.1924 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.197 | 52 | 184650 | 8.4277 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.583 | 84 | 280229 | 10.2167 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.687 | 76 | 146539 | 11.5863 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 584172 | 12.8365 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 304959 | 10.5430 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 575995 | 10.9427 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 907918 | 12.2460 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 145513 | 12.8213 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 454860 | 11.1011 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 55543 | 11.8596 | PPBV | | 95 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 591602 | 11.0046 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 152312 | 13.4272 | PPBV | | 96 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 329425 | 10.9757 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.706 | 59 | 142775 | 11.4710 | PPBV | | 95 |
| 44) ETHYL ACETATE | 7.742 | 61 | 102628 | 12.2645 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 584502 | 11.7341 | PPBV | | 99 |
| 46) CHLOROFORM | 7.803 | 83 | 767097 | 11.4267 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 522441 | 11.6588 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 768664 | 11.2766 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 826856 | 11.4774 | PPBV | | 99 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 528775 | 12.1099 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 999972 | 11.3069 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 395809 | 11.9143 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 209669 | 11.6896 | PPBV | | 94 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 479539 | 10.2852 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 379577 | 10.1116 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 613084 | 13.4328 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.403 | 55 | 713058 | 12.0415 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 902814 | 11.0886 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1456334 | 10.8438 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.660 | 88 | 226125 | 10.9793 | PPBV | # | 75 |
| 62) | HEPTANE | 11.021 | 43 | 559547 | 11.9285 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 370058 | 12.5864 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 295122 | 11.8083 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 683916 | 11.9931 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 684307 | 11.0624 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.997 | 76 | 618417 | 11.3636 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622875 | 11.8671 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 407784 | 10.9126 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429260 | 12.3125 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646480 | 12.6645 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 624535 | 12.9377 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 853319 | 10.8713 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 711606 | 10.9331 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 816104 | 12.5722 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 546604 | 10.0857 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 943953 | 9.9217 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1578139 | 11.5824 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1160738 | 22.4513 | PPBV | | 97 |
| 81) | o-XYLENE | 16.894 | 106 | 570900 | 11.3759 | PPBV | | 97 |
| 82) | STYRENE | 16.748 | 104 | 881254 | 12.2430 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 855635 | 12.6307 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1244331 | 15.4944 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1091266 | 10.8180 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 772534 | 10.6065 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1663712 | 10.7137 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.898 | 77 | 908292 | 10.3561 | PPBV | | 87 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 404822 | 10.4048 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 438991 | 11.1510 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.870 | 105 | 1699251 | 11.8562 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1427244 | 11.6524 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 689616 | 10.4302 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 310532 | 11.6120 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1559354 | 12.1339 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1162992 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1518557 | 11.0091 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1130128 | 11.9623 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 371490 | 11.6430 | PPBV | | 99 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1526287 | 11.6939 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432133 | 11.5238 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1057891 | 11.5166 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.846 | 134 | 421124 | 12.2083 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 797963 | 12.4097 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1735482 | 20.0822 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1444730 | 17.6517 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2169419 | 12.0753 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 1999126 | 9.7650 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

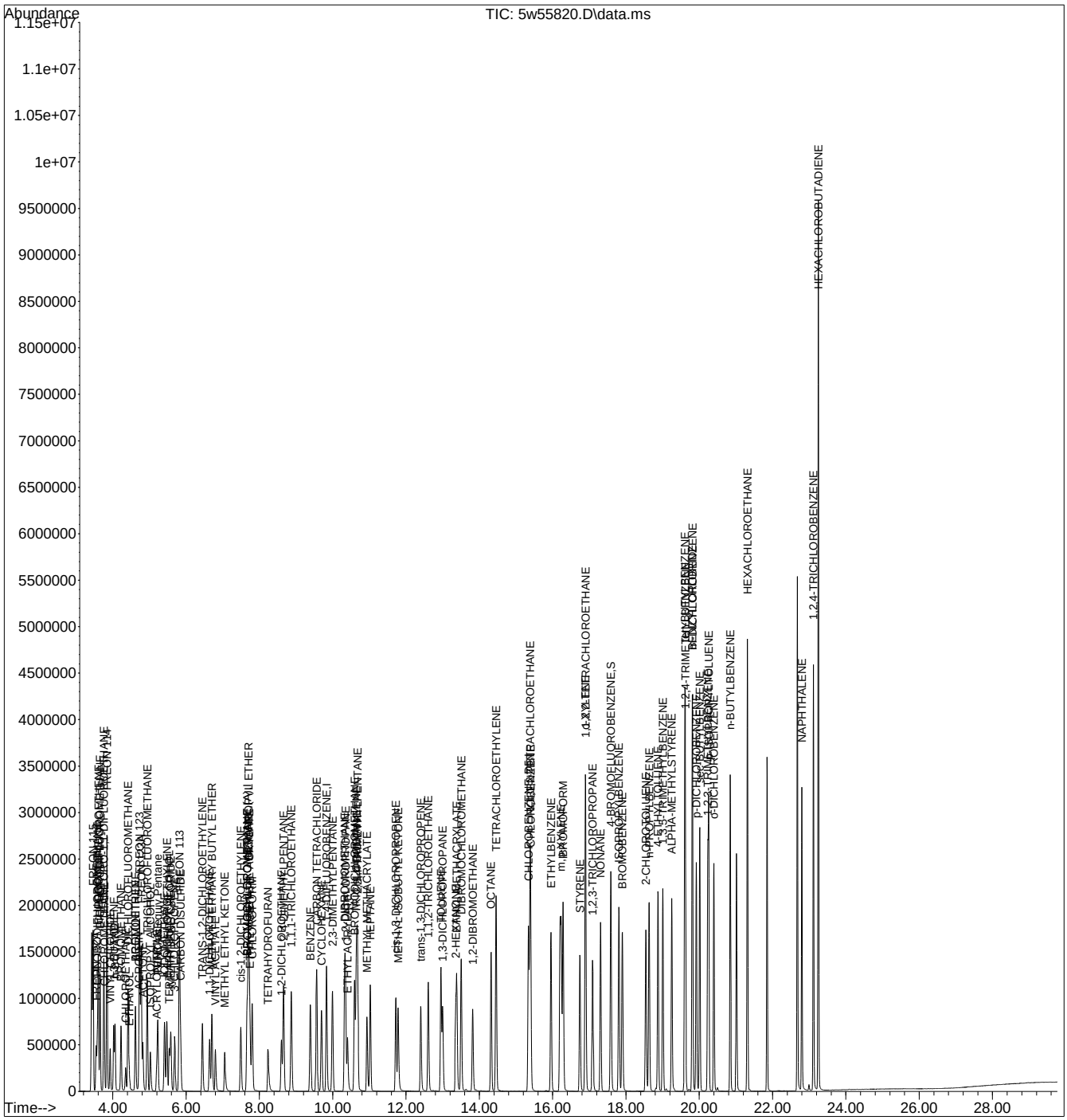
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55820.D
Acq On : 23 Dec 2024 10:07 am
Operator : thomash
Sample : bs Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:30 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 260595 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1218483 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 736456 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 260595 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 821814 | 9.97 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 99.70% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 449247 | 12.5939 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 217658 | 11.2892 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 120188 | 12.0222 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 469888 | 10.4137 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1112978 | 11.6870 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 264221 | 11.0160 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1147260 | 11.7641 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1434228 | 12.2779 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128640 | 10.4749 | PPBV | # | 85 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 488468 | 11.2953 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 323570 | 11.1494 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 634013 | 11.3883 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 482246 | 10.5828 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 214284 | 10.8434 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1100649 | 11.2676 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 348841 | 10.8478 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 160344 | 11.4186 | PPBV | | 98 |
| 19) FREON 123 | 4.733 | 83 | 1129119 | 11.4850 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 597237 | 11.4250 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1007977 | 11.4535 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 602862 | 10.8116 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 177842 | 8.4614 | PPBV | | 89 |
| 24) PENTANE | 5.228 | 42 | 318079 | 11.4829 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 940571 | 12.8113 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 301140 | 11.0402 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 918708 | 11.6416 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 231068 | 11.3068 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 443163 | 11.4161 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.197 | 52 | 188676 | 8.6417 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 282870 | 10.3492 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 151425 | 12.0146 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 593594 | 13.0893 | PPBV | | 84 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.445 | 96 | 309546 | 10.7391 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 588972 | 11.2285 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 924243 | 12.5099 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 148865 | 13.1627 | PPBV | | 98 |
| 38) HEXANE | 7.700 | 57 | 464407 | 11.3739 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.800 | 86 | 57228 | 12.2623 | PPBV | | 98 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 606542 | 11.3221 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153117 | 13.5456 | PPBV | | 91 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 334930 | 11.1983 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 146643 | 11.8231 | PPBV | | 96 |
| 44) ETHYL ACETATE | 7.742 | 61 | 105256 | 12.6227 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.724 | 55 | 594885 | 11.9845 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 776162 | 11.6023 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.654 | 57 | 531550 | 11.9037 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 780498 | 11.4904 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 837796 | 11.6701 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 539227 | 12.3926 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003786 | 11.3656 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 399516 | 12.0424 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 210768 | 11.7671 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 486023 | 10.4386 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 386594 | 10.3128 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.324 | 174 | 618370 | 13.5673 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 724833 | 12.2573 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 912837 | 11.2272 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1481841 | 11.0490 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 230304 | 11.1977 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 571625 | 12.2028 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 373765 | 12.7300 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 300871 | 12.0549 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 694724 | 12.1995 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 695165 | 11.2535 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 626759 | 11.5328 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 629861 | 12.0167 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 408547 | 10.9481 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 433718 | 12.4841 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 649699 | 12.7723 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628041 | 13.0561 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 864792 | 11.0562 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 720274 | 11.1052 | PPBV | | 100 |
| 76) | OCTANE | 14.319 | 43 | 827456 | 12.7918 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 554894 | 10.2747 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 957513 | 10.0996 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1595928 | 11.7541 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1172853 | 22.7654 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 573106 | 11.4600 | PPBV | | 97 |
| 82) | STYRENE | 16.742 | 104 | 890827 | 12.4195 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 870573 | 12.8964 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1256261 | 15.6980 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1106434 | 11.0070 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 776868 | 10.7035 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1675508 | 10.8276 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 921247 | 10.5407 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 406945 | 10.4962 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 439908 | 11.2136 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.871 | 105 | 1717986 | 12.0291 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1441798 | 11.8126 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 698121 | 10.5959 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.605 | 134 | 309708 | 11.6219 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1577032 | 12.3146 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1174475 | 11.6475 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1538320 | 11.1916 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1146194 | 12.1751 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 375367 | 11.8059 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.229 | 105 | 1540403 | 11.8435 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 438132 | 11.7248 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1074336 | 11.7368 | PPBV | | 95 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 428450 | 12.4643 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 806422 | 12.5853 | PPBV | # | 74 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1781369 | 20.6856 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1458721 | 17.8853 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2203206 | 12.3065 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2091566 | 10.2524 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

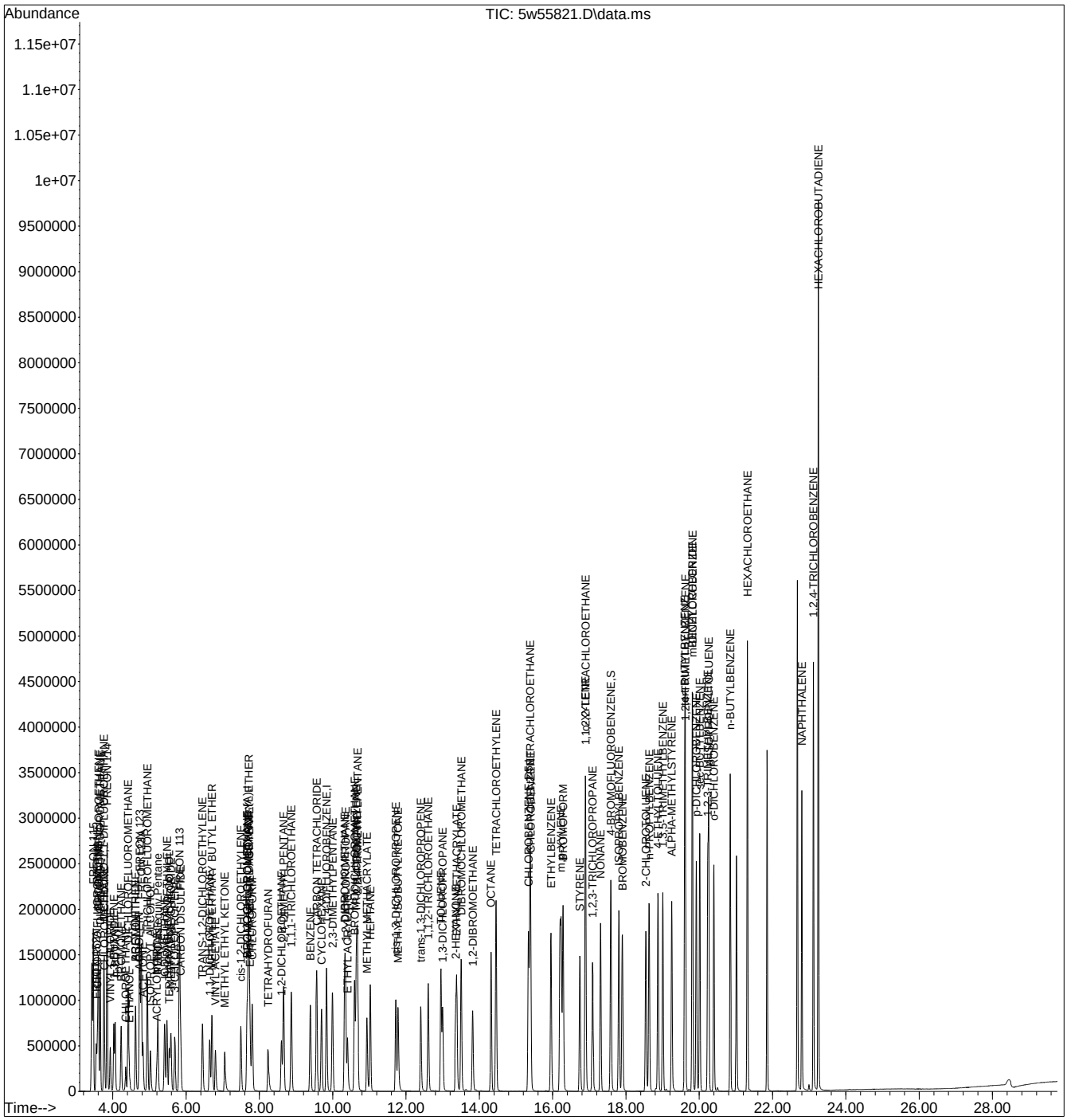
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55821.D
Acq On : 23 Dec 2024 11:17 am
Operator : thomash
Sample : bsd Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 132197 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 641005 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 614319 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 132197 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 454920 | 10.21 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.625 | 65 | 72568 | 11.5272 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 37309 | 11.6741 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 169829 | 11.0318 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 382279 | 11.5979 | PPBV | 100 |
| 7) PROPYLENE | 1.647 | 41 | 100249 | 11.5557 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 281377 | 11.5260 | PPBV | 99 |
| 9) FREON 114 | 1.737 | 85 | 321399 | 12.2928 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.708 | 52 | 40223 | 11.7551 | PPBV | 98 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 140169 | 12.6774 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 113158 | 12.0113 | PPBV | 98 |
| 13) N-BUTANE | 1.824 | 43 | 212748 | 12.4087 | PPBV | 98 |
| 14) BROMOMETHANE | 1.885 | 94 | 109831 | 11.1112 | PPBV | 99 |
| 15) CHLOROETHANE | 1.933 | 64 | 72530 | 12.1216 | PPBV | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 286183 | 12.2777 | PPBV | 99 |
| 17) ACETONITRILE | 2.023 | 41 | 124503 | 11.7178 | PPBV | 99 |
| 18) ACROLEIN | 2.062 | 56 | 63653 | 11.4063 | PPBV | 100 |
| 19) FREON 123 | 2.078 | 83 | 289548 | 11.5111 | PPBV | 99 |
| 20) FREON 123A | 2.094 | 117 | 178633 | 11.4063 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 336264 | 11.5844 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.178 | 45 | 291491 | 11.9023 | PPBV | 100 |
| 23) ACETONE | 2.101 | 58 | 72080 | 9.3845 | PPBV | 96 |
| 24) PENTANE | 2.274 | 42 | 153772 | 13.0718 | PPBV | 97 |
| 25) IODOMETHANE | 2.335 | 142 | 308748 | 11.6060 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 121170 | 10.5710 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.496 | 76 | 349057 | 12.2283 | PPBV | 99 |
| 28) ETHANOL | 1.962 | 45 | 79866 | 11.9129 | PPBV | 99 |
| 29) BROMOETHENE | 2.033 | 106 | 115907 | 11.0064 | PPBV | 100 |
| 30) ACRYLONITRILE | 2.242 | 52 | 104334 | 10.9751 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 2.400 | 84 | 108606 | 10.3797 | PPBV | 92 |
| 32) 3-CHLOROPROPENE | 2.441 | 76 | 61312 | 11.2636 | PPBV | 90 |
| 33) FREON 113 | 2.496 | 151 | 190331 | 10.9667 | PPBV | 94 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.721 | 96 | 128189 | 10.7427 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.377 | 59 | 309101 | 10.9745 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.827 | 73 | 378920 | 11.1046 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.509 | 72 | 61775 | 11.6828 | PPBV | 88 |
| 38) HEXANE | 3.281 | 57 | 247996 | 11.3906 | PPBV | 97 |
| 39) VINYL ACETATE | 2.863 | 86 | 34037 | 10.5390 | PPBV # | 67 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 253538 | 11.8751 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.959 | 72 | 67042 | 11.4148 | PPBV | 85 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 136379 | 11.0962 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 71632 | 11.8802 | PPBV | 91 |
| 44) ETHYL ACETATE | 3.287 | 61 | 49381 | 11.8378 | PPBV | 76 |
| 45) METHYL ACRYLATE | 3.274 | 55 | 300626 | 12.2903 | PPBV # | 100 |
| 46) CHLOROFORM | 3.300 | 83 | 282835 | 11.7054 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.789 | 57 | 287693 | 11.9514 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 295389 | 11.4000 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 302531 | 11.7725 | PPBV | 99 |
| 50) 1,2-DICHLOROETHANE | 3.705 | 62 | 227307 | 12.5648 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.175 | 78 | 398498 | 11.2869 | PPBV | 96 |
| 53) | CYCLOHEXANE | 4.380 | 84 | 175390 | 11.5811 | PPBV | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 93807 | 11.7976 | PPBV | 90 |
| 55) | TRICHLOROETHENE | 5.065 | 95 | 188236 | 11.5524 | PPBV | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.834 | 63 | 165831 | 11.9296 | PPBV | 99 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 165684 | 10.8217 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.949 | 55 | 370908 | 12.5576 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.011 | 83 | 309290 | 11.9145 | PPBV | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 779720 | 12.6499 | PPBV | 99 |
| 61) | 1,4-DIOXANE | 5.081 | 88 | 98717 | 10.8655 | PPBV | 97 |
| 62) | HEPTANE | 5.470 | 43 | 288977 | 13.3404 | PPBV | 95 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 155923 | 11.1999 | PPBV | 89 |
| 64) | METHYL ISOBUTYL KETONE | 6.097 | 58 | 151685 | 11.7293 | PPBV | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 256455 | 11.7805 | PPBV | 96 |
| 66) | TOLUENE | 7.190 | 91 | 504851 | 11.1463 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 254850 | 12.0477 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 226422 | 11.0638 | PPBV | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.824 | 83 | 145396 | 11.6782 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.760 | 58 | 208947 | 10.3470 | PPBV | 96 |
| 71) | ETHYL METHACRYLATE | 7.888 | 69 | 262331 | 10.8384 | PPBV | 93 |
| 72) | TETRACHLOROETHENE | 8.907 | 164 | 205760 | 11.9898 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.718 | 129 | 305541 | 11.6808 | PPBV | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.059 | 107 | 278710 | 12.2285 | PPBV | 100 |
| 75) | OCTANE | 9.059 | 43 | 400671 | 13.0548 | PPBV | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.123 | 131 | 222994 | 11.3574 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.110 | 112 | 413537 | 11.5683 | PPBV | 97 |
| 79) | ETHYLBENZENE | 10.988 | 91 | 683788 | 11.3010 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.415 | 91 | 1083695 | 22.8476 | PPBV | 98 |
| 81) | O-XYLENE | 12.345 | 91 | 553830 | 11.6261 | PPBV | 99 |
| 82) | STYRENE | 12.136 | 104 | 417418 | 12.2348 | PPBV | 100 |
| 83) | NONANE | 13.470 | 43 | 428487 | 13.0952 | PPBV | 95 |
| 84) | BROMOFORM | 11.229 | 173 | 273191 | 11.6001 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 388271 | 12.2472 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 309490 | 12.2365 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.859 | 120 | 208468 | 11.4549 | PPBV | 97 |
| 89) | BROMOBENZENE | 13.724 | 77 | 385342 | 11.3585 | PPBV | 97 |
| 90) | 2-CHLOROTOLUENE | 14.856 | 126 | 185913 | 11.2300 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.200 | 120 | 218050 | 11.8212 | PPBV | 100 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 810096 | 12.2445 | PPBV | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.914 | 105 | 677862 | 12.1747 | PPBV | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.216 | 118 | 337470 | 11.8680 | PPBV | 99 |
| 95) | TERT-BUTYLBENZENE | 16.528 | 134 | 159796 | 11.9914 | PPBV | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 701805 | 12.4962 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 505274 | 10.1602 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.598 | 146 | 452803 | 11.8204 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.692 | 146 | 460870 | 12.3614 | PPBV | 99 |
| 100) | O-DICHLOROBENZENE | 17.007 | 146 | 431701 | 11.9348 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 201368 | 12.1261 | PPBV | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 677023 | 12.0347 | PPBV | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 221917 | 12.0550 | PPBV | 97 |
| 104) | N-BUTYLBENZENE | 17.389 | 134 | 217494 | 12.0925 | PPBV | 92 |
| 105) | HEXACHLOROETHANE | 17.569 | 117 | 234100 | 10.9254 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.621 | 225 | 354184 | 13.1631 | PPBV | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.312 | 180 | 413163 | 13.3630 | PPBV | 100 |
| 108) | NAPHTHALENE | 18.360 | 128 | 881442 | 12.8448 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.274 | TIC | 721808 | 12.8592 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

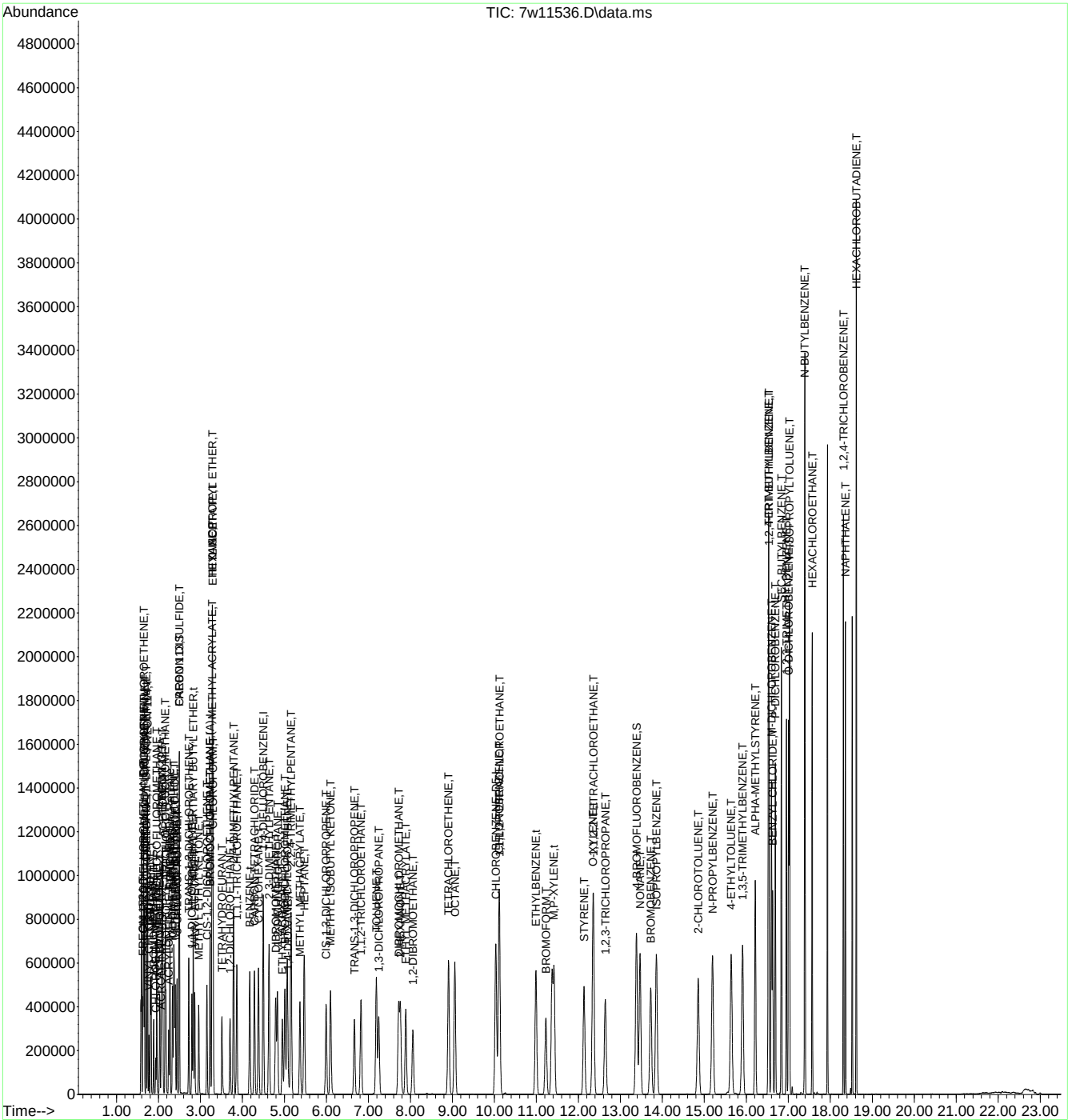
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11536.D
Acq On : 6 Jan 2025 9:31 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:05:21 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 136207 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 661175 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 631831 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 136207 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 471216 | 10.28 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.628 | 65 | 75022 | 11.5662 | PPBV | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 38685 | 11.7483 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 173835 | 10.9596 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 390290 | 11.4923 | PPBV | 100 |
| 7) PROPYLENE | 1.647 | 41 | 102486 | 11.4658 | PPBV | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 288237 | 11.4594 | PPBV | 99 |
| 9) FREON 114 | 1.737 | 85 | 332367 | 12.3380 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.708 | 52 | 40652 | 11.5307 | PPBV | 98 |
| 11) VINYL CHLORIDE | 1.770 | 62 | 141908 | 12.4568 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 114989 | 11.8463 | PPBV | 98 |
| 13) N-BUTANE | 1.824 | 43 | 216771 | 12.2711 | PPBV | 99 |
| 14) BROMOMETHANE | 1.885 | 94 | 112960 | 11.0913 | PPBV | 99 |
| 15) CHLOROETHANE | 1.934 | 64 | 73790 | 11.9692 | PPBV | 91 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 291973 | 12.1573 | PPBV | 99 |
| 17) ACETONITRILE | 2.024 | 41 | 127346 | 11.6326 | PPBV | 98 |
| 18) ACROLEIN | 2.062 | 56 | 64816 | 11.2727 | PPBV | 98 |
| 19) FREON 123 | 2.078 | 83 | 296880 | 11.4551 | PPBV | 99 |
| 20) FREON 123A | 2.094 | 117 | 183524 | 11.3736 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 343806 | 11.4955 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.178 | 45 | 295373 | 11.7058 | PPBV | 100 |
| 23) ACETONE | 2.104 | 58 | 73270 | 9.2586 | PPBV | 97 |
| 24) PENTANE | 2.274 | 42 | 157403 | 12.9865 | PPBV | 97 |
| 25) IODOMETHANE | 2.335 | 142 | 316627 | 11.5518 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.364 | 96 | 124347 | 10.5288 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.496 | 76 | 355473 | 12.0864 | PPBV | 99 |
| 28) ETHANOL | 1.962 | 45 | 81831 | 11.8466 | PPBV | 99 |
| 29) BROMOETHENE | 2.033 | 106 | 118710 | 10.9407 | PPBV | 99 |
| 30) ACRYLONITRILE | 2.242 | 52 | 106565 | 10.8798 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.400 | 84 | 111882 | 10.3780 | PPBV | 93 |
| 32) 3-CHLOROPROPENE | 2.442 | 76 | 62225 | 11.0948 | PPBV | 90 |
| 33) FREON 113 | 2.496 | 151 | 194834 | 10.8956 | PPBV | 94 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.721 | 96 | 130816 | 10.6401 | PPBV | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.377 | 59 | 318754 | 10.9840 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.827 | 73 | 394051 | 11.2081 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 3.509 | 72 | 64120 | 11.7692 | PPBV | 90 |
| 38) HEXANE | 3.281 | 57 | 255600 | 11.3942 | PPBV | 98 |
| 39) VINYL ACETATE | 2.863 | 86 | 35164 | 10.5674 | PPBV | 68 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 261176 | 11.8727 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.959 | 72 | 68498 | 11.3194 | PPBV | 83 |
| 42) CIS-1,2-DICHLOROETHENE | 3.155 | 96 | 140498 | 11.0948 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 73848 | 11.8871 | PPBV | 93 |
| 44) ETHYL ACETATE | 3.287 | 61 | 51481 | 11.9779 | PPBV | 81 |
| 45) METHYL ACRYLATE | 3.274 | 55 | 309877 | 12.2956 | PPBV # | 100 |
| 46) CHLOROFORM | 3.303 | 83 | 290305 | 11.6608 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.789 | 57 | 297150 | 11.9809 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 305653 | 11.4488 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 313693 | 11.8475 | PPBV | 100 |
| 50) 1,2-DICHLOROETHANE | 3.705 | 62 | 234254 | 12.5676 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.175 | 78 | 411699 | 11.3175 | PPBV | 97 |
| 53) | CYCLOHEXANE | 4.380 | 84 | 181536 | 11.6212 | PPBV | 91 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 96458 | 11.7610 | PPBV | 90 |
| 55) | TRICHLOROETHENE | 5.062 | 95 | 194425 | 11.5683 | PPBV | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.834 | 63 | 169057 | 11.7906 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 172244 | 10.9070 | PPBV | 99 |
| 58) | ETHYL ACRYLATE | 4.949 | 55 | 383372 | 12.5836 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.011 | 83 | 317822 | 11.8697 | PPBV | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.158 | 57 | 804610 | 12.6555 | PPBV | 99 |
| 61) | 1,4-DIOXANE | 5.078 | 88 | 101305 | 10.8101 | PPBV | 96 |
| 62) | HEPTANE | 5.470 | 43 | 297095 | 13.2967 | PPBV | 95 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 161408 | 11.2402 | PPBV | 90 |
| 64) | METHYL ISOBUTYL KETONE | 6.094 | 58 | 156439 | 11.7279 | PPBV | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 264193 | 11.7657 | PPBV | 97 |
| 66) | TOLUENE | 7.191 | 91 | 523573 | 11.2070 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 262822 | 12.0455 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 234525 | 11.1102 | PPBV | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 149983 | 11.6791 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.760 | 58 | 212380 | 10.1962 | PPBV | 95 |
| 71) | ETHYL METHACRYLATE | 7.888 | 69 | 271034 | 10.8564 | PPBV | 94 |
| 72) | TETRACHLOROETHENE | 8.911 | 164 | 213690 | 12.0720 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 317041 | 11.7506 | PPBV | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.062 | 107 | 289794 | 12.3269 | PPBV | 100 |
| 75) | OCTANE | 9.055 | 43 | 415599 | 13.1281 | PPBV | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 232183 | 11.4977 | PPBV | 100 |
| 78) | CHLOROBENZENE | 10.110 | 112 | 430271 | 11.7028 | PPBV | 97 |
| 79) | ETHYLBENZENE | 10.991 | 91 | 706787 | 11.3573 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.419 | 91 | 1118381 | 22.9254 | PPBV | 98 |
| 81) | O-XYLENE | 12.345 | 91 | 570844 | 11.6511 | PPBV | 99 |
| 82) | STYRENE | 12.136 | 104 | 432921 | 12.3375 | PPBV | 100 |
| 83) | NONANE | 13.470 | 43 | 441511 | 13.1192 | PPBV | 95 |
| 84) | BROMOFORM | 11.229 | 173 | 283292 | 11.6956 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 399473 | 12.2513 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 321288 | 12.3508 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.862 | 120 | 214585 | 11.4643 | PPBV | 97 |
| 89) | BROMOBENZENE | 13.721 | 77 | 398665 | 11.4256 | PPBV | 97 |
| 90) | 2-CHLOROTOLUENE | 14.853 | 126 | 192871 | 11.3274 | PPBV | 99 |
| 91) | N-PROPYLBENZENE | 15.200 | 120 | 225284 | 11.8749 | PPBV | 100 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 826716 | 12.1494 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.914 | 105 | 697359 | 12.1777 | PPBV | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.216 | 118 | 348835 | 11.9277 | PPBV | 100 |
| 95) | TERT-BUTYLBENZENE | 16.528 | 134 | 166198 | 12.1262 | PPBV | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 725020 | 12.5517 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 523594 | 10.2368 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.599 | 146 | 465199 | 11.8074 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.692 | 146 | 472965 | 12.3342 | PPBV | 99 |
| 100) | O-DICHLOROBENZENE | 17.007 | 146 | 444972 | 11.9608 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 208652 | 12.2164 | PPBV | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 699930 | 12.0971 | PPBV | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 227704 | 12.0266 | PPBV | 96 |
| 104) | N-BUTYLBENZENE | 17.393 | 134 | 224935 | 12.1596 | PPBV | 94 |
| 105) | HEXACHLOROETHANE | 17.570 | 117 | 241347 | 10.9515 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.621 | 225 | 369997 | 13.3697 | PPBV | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.312 | 180 | 427378 | 13.4396 | PPBV | 99 |
| 108) | NAPHTHALENE | 18.357 | 128 | 911216 | 12.9106 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.274 | TIC | 737057 | 12.7443 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

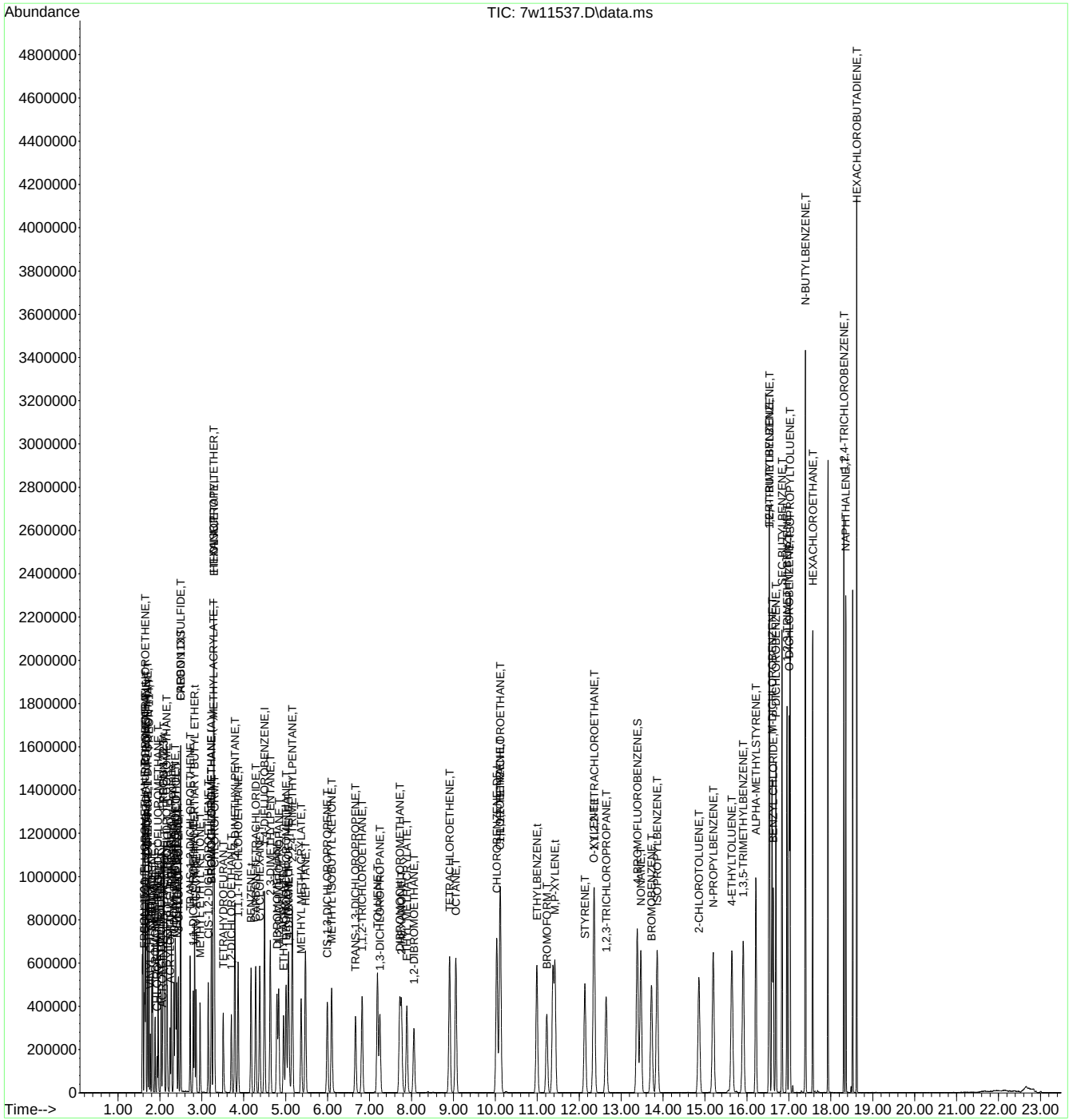
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11537.D
Acq On : 6 Jan 2025 10:08 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 19:06:17 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 131961 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 637583 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.032 | 117 | 610713 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 131961 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 457583 | 10.33 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.628 | 65 | 71445 | 11.3691 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 1.637 | 67 | 37381 | 11.7175 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 170172 | 11.0739 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 1.666 | 85 | 382715 | 11.6319 | PPBV | 100 |
| 7) PROPYLENE | 1.647 | 41 | 100317 | 11.5843 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 284271 | 11.6654 | PPBV | 99 |
| 9) FREON 114 | 1.737 | 85 | 323516 | 12.3959 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.708 | 52 | 41135 | 12.0432 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 141334 | 12.8056 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 114861 | 12.2139 | PPBV | 98 |
| 13) N-BUTANE | 1.824 | 43 | 217056 | 12.6826 | PPBV | 98 |
| 14) BROMOMETHANE | 1.882 | 94 | 111295 | 11.2794 | PPBV | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 72729 | 12.1766 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 287301 | 12.3477 | PPBV | 100 |
| 17) ACETONITRILE | 2.023 | 41 | 126878 | 11.9627 | PPBV | 98 |
| 18) ACROLEIN | 2.062 | 56 | 64575 | 11.5922 | PPBV | 98 |
| 19) FREON 123 | 2.075 | 83 | 289116 | 11.5145 | PPBV | 99 |
| 20) FREON 123A | 2.094 | 117 | 180761 | 11.5628 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 2.158 | 101 | 338151 | 11.6703 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.174 | 45 | 294436 | 12.0441 | PPBV | 100 |
| 23) ACETONE | 2.100 | 58 | 73257 | 9.5548 | PPBV | 96 |
| 24) PENTANE | 2.271 | 42 | 156633 | 13.3388 | PPBV | 97 |
| 25) IODOMETHANE | 2.332 | 142 | 308632 | 11.6224 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 122570 | 10.7123 | PPBV | 94 |
| 27) CARBON DISULFIDE | 2.496 | 76 | 350878 | 12.3141 | PPBV | 99 |
| 28) ETHANOL | 1.962 | 45 | 82795 | 12.3719 | PPBV | 100 |
| 29) BROMOETHENE | 2.033 | 106 | 116086 | 11.0431 | PPBV | 100 |
| 30) ACRYLONITRILE | 2.242 | 52 | 105853 | 11.1548 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 110337 | 10.5640 | PPBV | 92 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 61096 | 11.2440 | PPBV | 89 |
| 33) FREON 113 | 2.493 | 151 | 190020 | 10.9683 | PPBV | 94 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.721 | 96 | 128227 | 10.7651 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.374 | 59 | 308422 | 10.9699 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.827 | 73 | 377196 | 11.0739 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.509 | 72 | 61956 | 11.7379 | PPBV | 88 |
| 38) HEXANE | 3.277 | 57 | 251087 | 11.5532 | PPBV | 98 |
| 39) VINYL ACETATE | 2.862 | 86 | 33323 | 10.3364 | PPBV | 66 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 254738 | 11.9526 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.959 | 72 | 67820 | 11.5679 | PPBV | 84 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 136443 | 11.1212 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 3.283 | 59 | 72593 | 12.0611 | PPBV | 91 |
| 44) ETHYL ACETATE | 3.287 | 61 | 49269 | 11.8321 | PPBV | 74 |
| 45) METHYL ACRYLATE | 3.274 | 55 | 302604 | 12.3933 | PPBV # | 100 |
| 46) CHLOROFORM | 3.300 | 83 | 282580 | 11.7157 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 289392 | 12.0435 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.865 | 97 | 296091 | 11.4475 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.283 | 117 | 297842 | 11.6108 | PPBV | 100 |
| 50) 1,2-DICHLOROETHANE | 3.701 | 62 | 228217 | 12.6377 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.171 | 78 | 401596 | 11.3950 | PPBV | 96 |
| 53) | CYCLOHEXANE | 4.380 | 84 | 175370 | 11.6419 | PPBV | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 94036 | 11.8899 | PPBV | 90 |
| 55) | TRICHLOROETHENE | 5.062 | 95 | 187428 | 11.5646 | PPBV | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.830 | 63 | 164620 | 11.9060 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.791 | 174 | 166506 | 10.9338 | PPBV | 99 |
| 58) | ETHYL ACRYLATE | 4.949 | 55 | 370723 | 12.6187 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.007 | 83 | 307322 | 11.9022 | PPBV | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 788752 | 12.8651 | PPBV | 100 |
| 61) | 1,4-DIOXANE | 5.078 | 88 | 97795 | 10.8217 | PPBV | 94 |
| 62) | HEPTANE | 5.470 | 43 | 292331 | 13.5676 | PPBV | 94 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 156226 | 11.2818 | PPBV | 89 |
| 64) | METHYL ISOBUTYL KETONE | 6.097 | 58 | 152534 | 11.8582 | PPBV | 94 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 253660 | 11.7146 | PPBV | 96 |
| 66) | TOLUENE | 7.190 | 91 | 505554 | 11.2217 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 253789 | 12.0619 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 222980 | 10.9541 | PPBV | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.820 | 83 | 145366 | 11.7385 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.756 | 58 | 209522 | 10.4311 | PPBV | 96 |
| 71) | ETHYL METHACRYLATE | 7.891 | 69 | 261980 | 10.8820 | PPBV | 93 |
| 72) | TETRACHLOROETHENE | 8.907 | 164 | 207814 | 12.1745 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 300254 | 11.5402 | PPBV | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.058 | 107 | 279806 | 12.3425 | PPBV | 100 |
| 75) | OCTANE | 9.058 | 43 | 406050 | 13.3011 | PPBV | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.122 | 131 | 219172 | 11.2287 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.110 | 112 | 414036 | 11.6506 | PPBV | 98 |
| 79) | ETHYLBENZENE | 10.987 | 91 | 680278 | 11.3094 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.415 | 91 | 1079918 | 22.9024 | PPBV | 97 |
| 81) | O-XYLENE | 12.351 | 91 | 552557 | 11.6678 | PPBV | 99 |
| 82) | STYRENE | 12.132 | 104 | 416389 | 12.2767 | PPBV | 99 |
| 83) | NONANE | 13.466 | 43 | 431569 | 13.2672 | PPBV | 95 |
| 84) | BROMOFORM | 11.229 | 173 | 267171 | 11.4115 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.360 | 83 | 389686 | 12.3644 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 309585 | 12.3125 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.855 | 120 | 207419 | 11.4646 | PPBV | 97 |
| 89) | BROMOBENZENE | 13.724 | 77 | 386767 | 11.4679 | PPBV | 96 |
| 90) | 2-CHLOROTOLUENE | 14.855 | 126 | 184643 | 11.2191 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.199 | 120 | 216808 | 11.8233 | PPBV | 100 |
| 92) | 4-ETHYLTOLUENE | 15.637 | 105 | 797269 | 12.1218 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 674884 | 12.1928 | PPBV | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.212 | 118 | 335091 | 11.8539 | PPBV | 99 |
| 95) | TERT-BUTYLBENZENE | 16.527 | 134 | 159458 | 12.0367 | PPBV | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 700938 | 12.5544 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 479700 | 9.7029 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.598 | 146 | 450705 | 11.8351 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.691 | 146 | 454425 | 12.2605 | PPBV | 100 |
| 100) | O-DICHLOROBENZENE | 17.006 | 146 | 429585 | 11.9465 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 201418 | 12.2007 | PPBV | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 674893 | 12.0677 | PPBV | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 220253 | 12.0353 | PPBV | 96 |
| 104) | N-BUTYLBENZENE | 17.392 | 134 | 219152 | 12.2566 | PPBV | 93 |
| 105) | HEXACHLOROETHANE | 17.572 | 117 | 226749 | 10.6448 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.627 | 225 | 365620 | 13.6683 | PPBV | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.318 | 180 | 408930 | 13.3042 | PPBV | 100 |
| 108) | NAPHTHALENE | 18.363 | 128 | 876988 | 12.8553 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 720459 | 12.8581 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

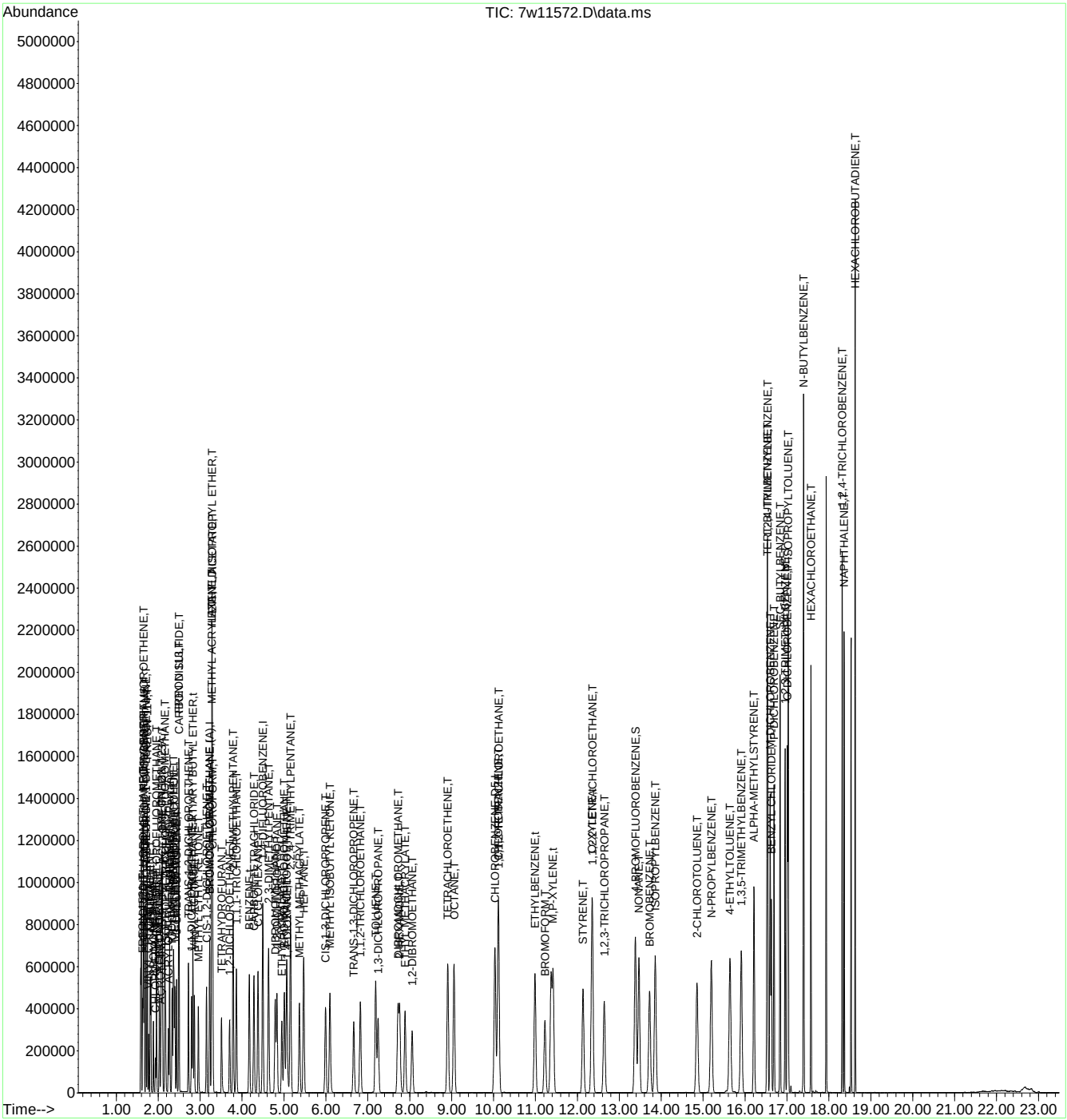
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11572.D
Acq On : 7 Jan 2025 10:06 pm
Operator : benk
Sample : bs Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:39 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 132457 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 646743 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 617945 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 132457 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 461330 | 10.29 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.625 | 65 | 74275 | 11.7752 | PPBV | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 37827 | 11.8129 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.647 | 116 | 173143 | 11.2250 | PPBV | 94 |
| 6) DICHLORODIFLUOROMETHANE | 1.663 | 85 | 388776 | 11.7719 | PPBV | 100 |
| 7) PROPYLENE | 1.647 | 41 | 102689 | 11.8138 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 284984 | 11.6508 | PPBV | 99 |
| 9) FREON 114 | 1.737 | 85 | 328452 | 12.5379 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.708 | 52 | 41254 | 12.0328 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 141100 | 12.7365 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 116163 | 12.3061 | PPBV | 97 |
| 13) N-BUTANE | 1.824 | 43 | 219128 | 12.7557 | PPBV | 98 |
| 14) BROMOMETHANE | 1.882 | 94 | 112403 | 11.3491 | PPBV | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 73424 | 12.2470 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 290844 | 12.4531 | PPBV | 99 |
| 17) ACETONITRILE | 2.023 | 41 | 127105 | 11.9392 | PPBV | 98 |
| 18) ACROLEIN | 2.062 | 56 | 64630 | 11.5586 | PPBV | 99 |
| 19) FREON 123 | 2.075 | 83 | 294674 | 11.6919 | PPBV | 99 |
| 20) FREON 123A | 2.091 | 117 | 181619 | 11.5742 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 339531 | 11.6740 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.175 | 45 | 295259 | 12.0325 | PPBV | 100 |
| 23) ACETONE | 2.101 | 58 | 73088 | 9.4970 | PPBV | 97 |
| 24) PENTANE | 2.271 | 42 | 157000 | 13.3200 | PPBV | 97 |
| 25) IODOMETHANE | 2.332 | 142 | 314588 | 11.8024 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 123338 | 10.7391 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 350964 | 12.2710 | PPBV | 99 |
| 28) ETHANOL | 1.959 | 45 | 81959 | 12.2011 | PPBV | 99 |
| 29) BROMOETHENE | 2.030 | 106 | 117949 | 11.1783 | PPBV | 99 |
| 30) ACRYLONITRILE | 2.239 | 52 | 105916 | 11.1197 | PPBV | 97 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 111379 | 10.6238 | PPBV | 89 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 61602 | 11.2947 | PPBV | 89 |
| 33) FREON 113 | 2.493 | 151 | 193852 | 11.1476 | PPBV | 94 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 129710 | 10.8489 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.374 | 59 | 314253 | 11.1355 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 387345 | 11.3293 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.506 | 72 | 63595 | 12.0033 | PPBV | 89 |
| 38) HEXANE | 3.277 | 57 | 255018 | 11.6901 | PPBV | 98 |
| 39) VINYL ACETATE | 2.859 | 86 | 34408 | 10.6330 | PPBV # | 71 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 257827 | 12.0522 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 67520 | 11.4736 | PPBV | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 139480 | 11.3262 | PPBV | 94 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 73477 | 12.1623 | PPBV | 91 |
| 44) ETHYL ACETATE | 3.287 | 61 | 50489 | 12.0797 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 306081 | 12.4888 | PPBV # | 100 |
| 46) CHLOROFORM | 3.297 | 83 | 288130 | 11.9011 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 294425 | 12.2071 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 301463 | 11.6115 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.281 | 117 | 306448 | 11.9015 | PPBV | 100 |
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 232035 | 12.8010 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.171 | 78 | 409001 | 11.5616 | PPBV | 96 |
| 53) | CYCLOHEXANE | 4.377 | 84 | 179890 | 11.7728 | PPBV | 91 |
| 54) | 2,3-DIMETHYLPENTANE | 4.631 | 71 | 94668 | 11.8003 | PPBV | 89 |
| 55) | TRICHLOROETHENE | 5.062 | 95 | 191119 | 11.6253 | PPBV | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.830 | 63 | 168403 | 12.0071 | PPBV | 99 |
| 57) | DIBROMOMETHANE | 4.789 | 174 | 169838 | 10.9946 | PPBV | 99 |
| 58) | ETHYL ACRYLATE | 4.946 | 55 | 378319 | 12.6949 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.007 | 83 | 315873 | 12.0601 | PPBV | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 797511 | 12.8238 | PPBV | 99 |
| 61) | 1,4-DIOXANE | 5.075 | 88 | 98448 | 10.7397 | PPBV | 93 |
| 62) | HEPTANE | 5.470 | 43 | 297480 | 13.6110 | PPBV | 94 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 158667 | 11.2958 | PPBV | 89 |
| 64) | METHYL ISOBUTYL KETONE | 6.094 | 58 | 155060 | 11.8839 | PPBV | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.988 | 75 | 261911 | 11.9244 | PPBV | 97 |
| 66) | TOLUENE | 7.187 | 91 | 515579 | 11.2821 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 259493 | 12.1583 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 230928 | 11.1839 | PPBV | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 147858 | 11.7706 | PPBV | 99 |
| 70) | 2-HEXANONE | 7.756 | 58 | 213569 | 10.4820 | PPBV | 95 |
| 71) | ETHYL METHACRYLATE | 7.888 | 69 | 267981 | 10.9736 | PPBV | 93 |
| 72) | TETRACHLOROETHENE | 8.907 | 164 | 212074 | 12.2481 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 309031 | 11.7094 | PPBV | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.059 | 107 | 285313 | 12.4071 | PPBV | 100 |
| 75) | OCTANE | 9.055 | 43 | 413892 | 13.3659 | PPBV | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 224753 | 11.3799 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.107 | 112 | 422802 | 11.7580 | PPBV | 98 |
| 79) | ETHYLBENZENE | 10.988 | 91 | 699204 | 11.4880 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.415 | 91 | 1101362 | 23.0838 | PPBV | 97 |
| 81) | O-XYLENE | 12.345 | 91 | 562481 | 11.7384 | PPBV | 99 |
| 82) | STYRENE | 12.136 | 104 | 425038 | 12.3850 | PPBV | 99 |
| 83) | NONANE | 13.467 | 43 | 439352 | 13.3484 | PPBV | 95 |
| 84) | BROMOFORM | 11.222 | 173 | 275665 | 11.6365 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 394867 | 12.3822 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 314533 | 12.3629 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.856 | 120 | 211538 | 11.5554 | PPBV | 97 |
| 89) | BROMOBENZENE | 13.721 | 77 | 395527 | 11.5903 | PPBV | 97 |
| 90) | 2-CHLOROTOLUENE | 14.856 | 126 | 189645 | 11.3882 | PPBV | 99 |
| 91) | N-PROPYLBENZENE | 15.193 | 120 | 221945 | 11.9617 | PPBV | 99 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 813800 | 12.2283 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 687838 | 12.2814 | PPBV | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.216 | 118 | 340899 | 11.9183 | PPBV | 99 |
| 95) | TERT-BUTYLBENZENE | 16.528 | 134 | 162988 | 12.1592 | PPBV | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 712660 | 12.6150 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 494420 | 9.8836 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.598 | 146 | 458695 | 11.9040 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.692 | 146 | 468969 | 12.5048 | PPBV | 100 |
| 100) | O-DICHLOROBENZENE | 17.007 | 146 | 438870 | 12.0618 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 203084 | 12.1576 | PPBV | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 685319 | 12.1107 | PPBV | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 222602 | 12.0213 | PPBV | 96 |
| 104) | N-BUTYLBENZENE | 17.393 | 134 | 220533 | 12.1895 | PPBV | 92 |
| 105) | HEXACHLOROETHANE | 17.569 | 117 | 232844 | 10.8030 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.627 | 225 | 358176 | 13.2334 | PPBV | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.315 | 180 | 415431 | 13.3575 | PPBV | 99 |
| 108) | NAPHTHALENE | 18.364 | 128 | 888202 | 12.8674 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 754282 | 13.4113 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

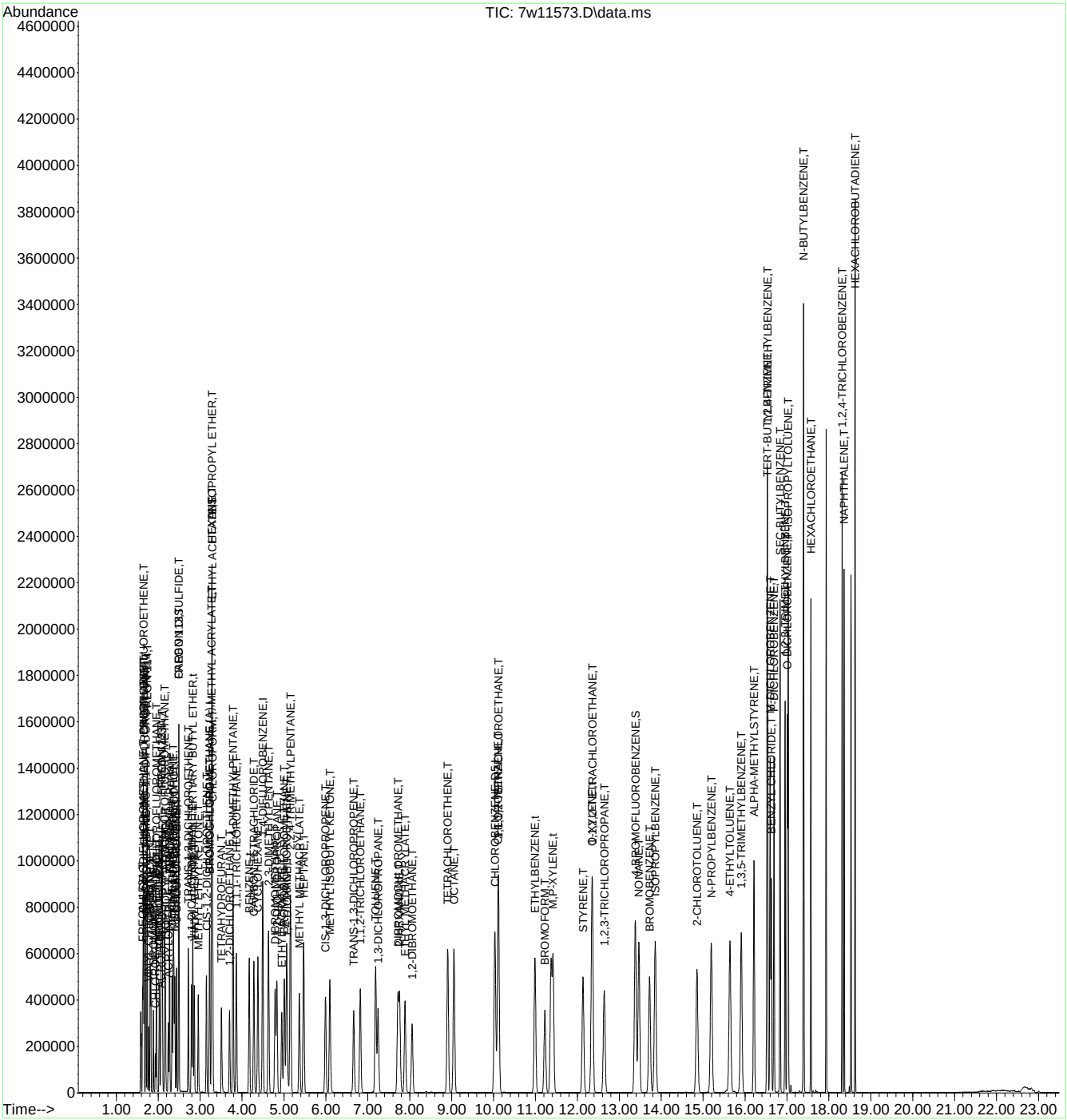
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11573.D
Acq On : 7 Jan 2025 10:43 pm
Operator : benk
Sample : bsd Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:38:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/19/24 11:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | | |
| 1) | BROMOCHLOROMETHANE | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| 52) | 1,4-DIFLUOROBENZENE | 4.554 | 114 | 307732 | 10.00 | PPBV | | 0.00 |
| 76) | CHLOROBENZENE-D5 | 10.123 | 117 | 281115 | 10.00 | PPBV | | 0.00 |
| 109) | BROMOCHLOROMETHANE (A) | 3.274 | 128 | 59927 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | | |
| 87) | 4-BROMOFLUOROBENZENE | 13.476 | 95 | 190904 | 9.26 | PPBV | | 0.00 |
| Target Compounds | | | | | | | | Qvalue |
| 2) | FREON 115 | 1.618 | 119 | 110512 | 14.3793 | PPBV | | 96 |
| 3) | FREON 152A | 1.650 | 65 | 59070 | 14.2378 | PPBV | | 88 |
| 4) | CHLORODIFLUOROMETHANE | 1.663 | 67 | 22970 | 11.4809 | PPBV | | 99 |
| 5) | CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122529 | 12.6008 | PPBV | | 73 |
| 6) | DICHLORODIFLUOROMETHANE | 1.692 | 85 | 255544 | 10.6343 | PPBV | | 96 |
| 7) | PROPYLENE | 1.670 | 41 | 76743 | 13.3660 | PPBV | | 97 |
| 8) | 1-CHLORO-1,1-DIFLUOROE... | 1.731 | 65 | 172937 | 8.5955 | PPBV | | 93 |
| 9) | FREON 114 | 1.766 | 85 | 217219 | 10.6265 | PPBV | | 95 |
| 10) | CHLOROMETHANE | 1.734 | 52 | 27200 | 8.7390 | PPBV | | 94 |
| 11) | VINYL CHLORIDE | 1.798 | 62 | 99503 | 10.3978 | PPBV | | 99 |
| 12) | 1,3-BUTADIENE | 1.837 | 54 | 80190 | 10.3069 | PPBV | | 85 |
| 13) | N-BUTANE | 1.853 | 43 | 127768 | 8.9925 | PPBV | | 96 |
| 14) | BROMOMETHANE | 1.914 | 94 | 78281 | 10.2297 | PPBV | | 99 |
| 15) | CHLOROETHANE | 1.962 | 64 | 51878 | 10.5850 | PPBV | | 91 |
| 16) | DICHLOROFLUOROMETHANE | 1.988 | 67 | 189308 | 10.1065 | PPBV | | 97 |
| 17) | ACETONITRILE | 2.059 | 41 | 77908 | 8.3740 | PPBV | | 98 |
| 18) | ACROLEIN | 2.097 | 56 | 44203 | 9.4636 | PPBV | | 96 |
| 19) | FREON 123 | 2.113 | 83 | 201252 | 10.5734 | PPBV | | 98 |
| 20) | FREON 123A | 2.129 | 117 | 125238 | 11.4705 | PPBV | | 91 |
| 21) | TRICHLOROFLUOROMETHANE | 2.194 | 101 | 215086 | 9.9812 | PPBV | | 98 |
| 22) | ISOPROPYL ALCOHOL | 2.219 | 45 | 177899 | 8.7647 | PPBV | | 96 |
| 23) | ACETONE | 2.139 | 58 | 53254 | 9.6274 | PPBV | | 66 |
| 24) | PENTANE | 2.313 | 42 | 90696 | 8.7967 | PPBV | | 92 |
| 25) | IODOMETHANE | 2.374 | 142 | 225162 | 12.1131 | PPBV | | 89 |
| 26) | 1,1-DICHLOROETHYLENE | 2.400 | 96 | 86229 | 10.7533 | PPBV | | 85 |
| 27) | CARBON DISULFIDE | 2.535 | 76 | 224756m | 9.6177 | PPBV | | |
| 28) | ETHANOL | 1.998 | 45 | 49449 | 8.9163 | PPBV | | 98 |
| 29) | BROMOETHENE | 2.065 | 106 | 83471 | 11.4058 | PPBV | # | 97 |
| 30) | ACRYLONITRILE | 2.281 | 52 | 69775 | 9.2744 | PPBV | | 96 |
| 31) | METHYLENE CHLORIDE | 2.438 | 84 | 75329 | 9.1274 | PPBV | | 80 |
| 32) | 3-CHLOROPROPENE | 2.480 | 76 | 39694 | 9.3992 | PPBV | # | 62 |
| 33) | FREON 113 | 2.535 | 151 | 140140 | 11.1049 | PPBV | | 89 |
| 34) | TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 91287 | 11.6726 | PPBV | | 99 |
| 35) | TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 176592 | 9.0639 | PPBV | | 92 |
| 36) | METHYL TERTIARY BUTYL ... | 2.872 | 73 | 239170 | 12.1723 | PPBV | | 98 |
| 37) | TETRAHYDROFURAN | 3.563 | 72 | 45330 | 12.1074 | PPBV | | 96 |
| 38) | HEXANE | 3.329 | 57 | 186212 | 11.3851 | PPBV | | 88 |
| 39) | VINYL ACETATE | 2.908 | 86 | 21657 | 12.1078 | PPBV | | 77 |
| 40) | 1,1-DICHLOROETHANE | 2.837 | 63 | 181698 | 12.4681 | PPBV | | 99 |
| 41) | METHYL ETHYL KETONE | 3.004 | 72 | 48800 | 12.2439 | PPBV | | 89 |
| 42) | CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 94849 | 11.4360 | PPBV | | 100 |
| 43) | DIISOPROPYL ETHER | 3.335 | 59 | 52672 | 12.3764 | PPBV | | 84 |
| 44) | ETHYL ACETATE | 3.338 | 61 | 36929 | 11.8146 | PPBV | | 78 |
| 45) | METHYL ACRYLATE | 3.322 | 55 | 215839 | 12.0480 | PPBV | # | 26 |
| 46) | CHLOROFORM | 3.348 | 83 | 181569 | 10.8246 | PPBV | | 95 |
| 47) | 2,4-DIMETHYLPENTANE | 3.843 | 57 | 215745 | 12.3313 | PPBV | | 98 |
| 48) | 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178620 | 11.6980 | PPBV | | 96 |
| 49) | CARBON TETRACHLORIDE | 4.342 | 117 | 186476 | 12.4415 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 135176 | 10.6258 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 285064 | 11.5478 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 123825 | 11.3925 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66437 | 11.9361 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 124837 | 10.5919 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.898 | 63 | 126622 | 12.0766 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110137 | 11.1361 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.017 | 55 | 267872 | 11.9010 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 198539 | 10.9770 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.223 | 57 | 587587 | 11.7962 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 68433 | 10.6089 | PPBV | # | 93 |
| 62) | HEPTANE | 5.541 | 43 | 196653 | 11.2460 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 110695 | 11.7588 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116018 | 10.7777 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167663 | 12.4777 | PPBV | | 86 |
| 66) | TOLUENE | 7.268 | 91 | 346089 | 10.5702 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 172835 | 10.7442 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139504 | 12.6564 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.895 | 83 | 101053 | 11.2887 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.853 | 58 | 162743 | 9.9058 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 180957 | 11.6239 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 134599 | 11.5053 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200804 | 11.7098 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 183640 | 11.6450 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 271332 | 10.3153 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.210 | 131 | 143846 | 11.9311 | PPBV | | 93 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 278592 | 10.2378 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 457220 | 10.2501 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 703381 | 19.9630 | PPBV | | 100 |
| 81) | O-XYLENE | 12.441 | 91 | 355250 | 10.0425 | PPBV | | 99 |
| 82) | STYRENE | 12.229 | 104 | 278357 | 10.8757 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 279616 | 9.9947 | PPBV | | 93 |
| 84) | BROMOFORM | 11.322 | 173 | 187082 | 12.2296 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 261976 | 10.5142 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 201971 | 10.0376 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 136930 | 10.2194 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 246840 | 9.7379 | PPBV | | 94 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 122323 | 9.9584 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.293 | 120 | 142602 | 10.3358 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 514233 | 10.5272 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 421583 | 10.2573 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 216053 | 9.8929 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102644 | 10.4400 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 435406 | 10.1374 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 258850 | 20.7104 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 294616 | 10.2783 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 299214 | 10.5247 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 280983 | 10.2361 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.872 | 134 | 129277 | 10.4474 | PPBV | | 92 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.991 | 105 | 420338 | 9.6664 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.061 | 134 | 140956 | 10.2084 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 141251 | 10.3059 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159980 | 12.0274 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.646 | 225 | 225111 | 10.9149 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.338 | 180 | 276617 | 10.0666 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 639531 | 8.9082 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 439346 | 8.4468 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

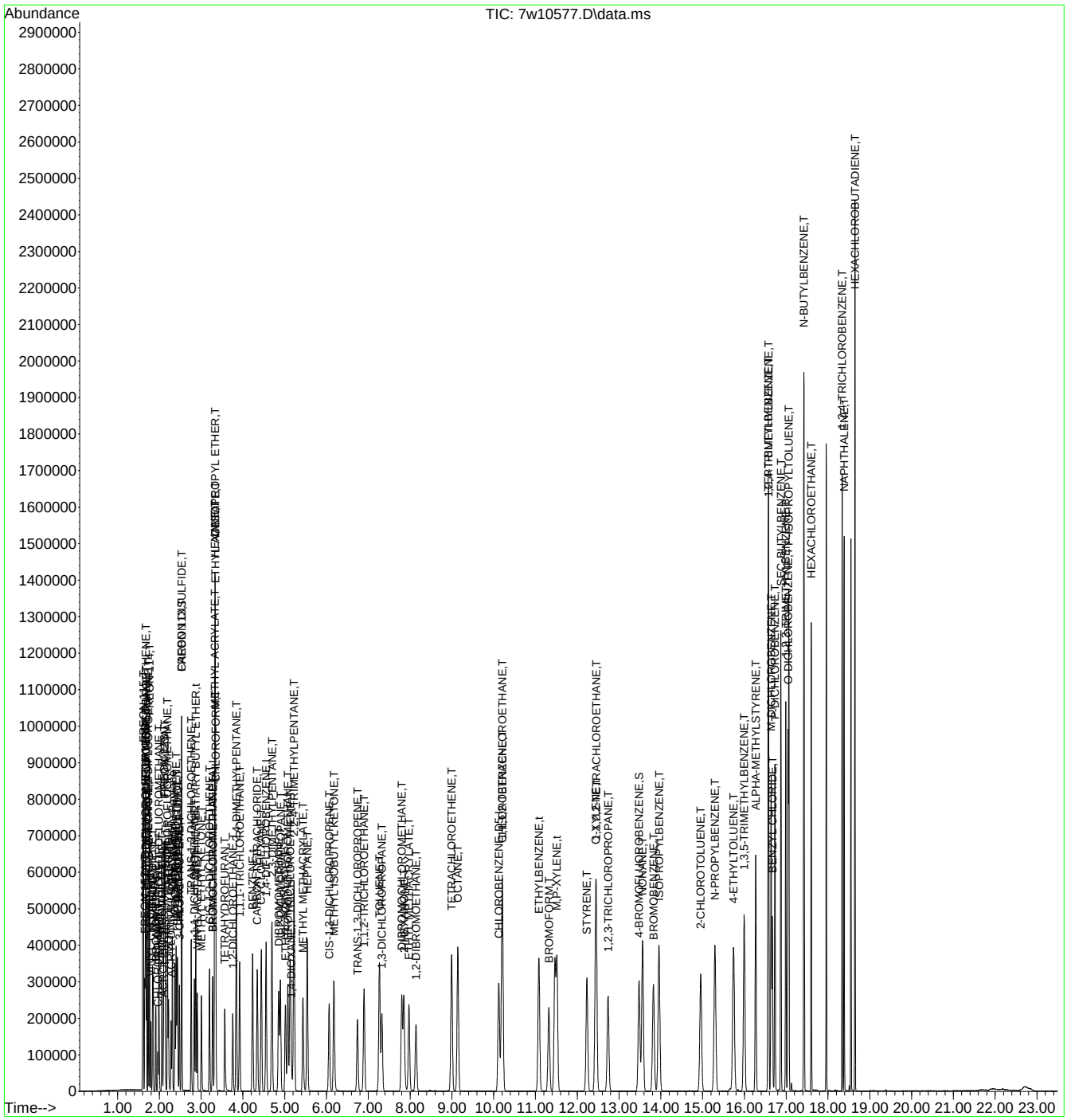
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:53:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



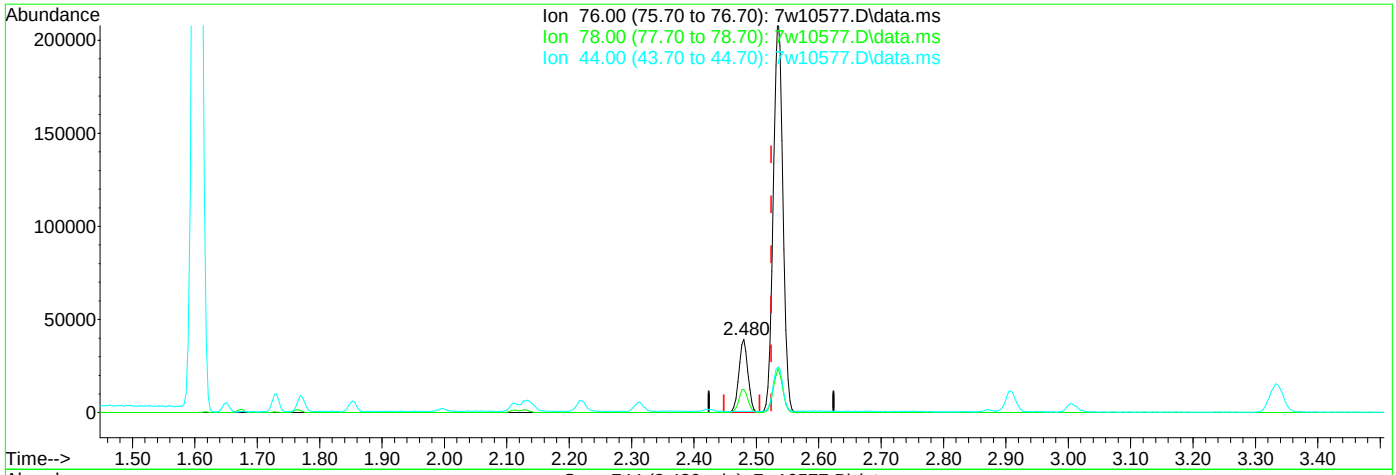
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W387-BS | **Method:** | TO-15 |
| **Lab FileID:** | 7W10577.D | **Analyst approved:** | 11/19/24 00:49 Lucky Carandang |
| **Injection Time:** | 11/18/24 10:11 | **Supervisor approved:** | 11/19/24 11:36 Kanya Veerawat |

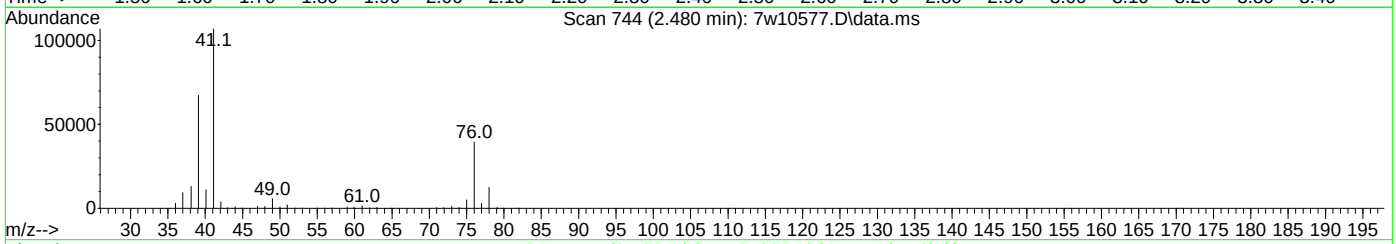
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

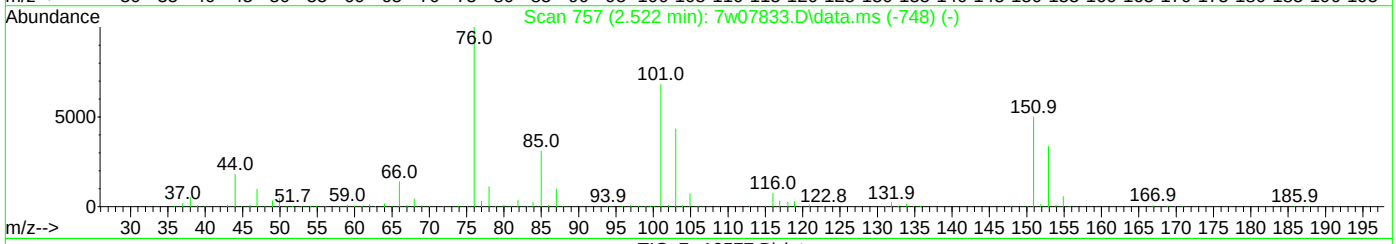
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.480min (-0.044) 1.70PPBV

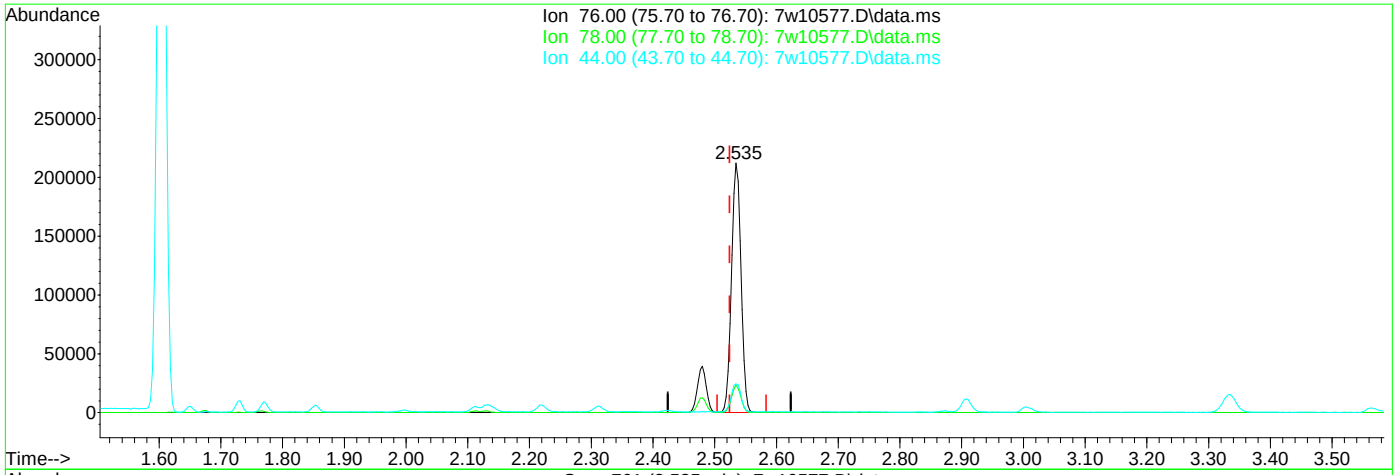
response 39710

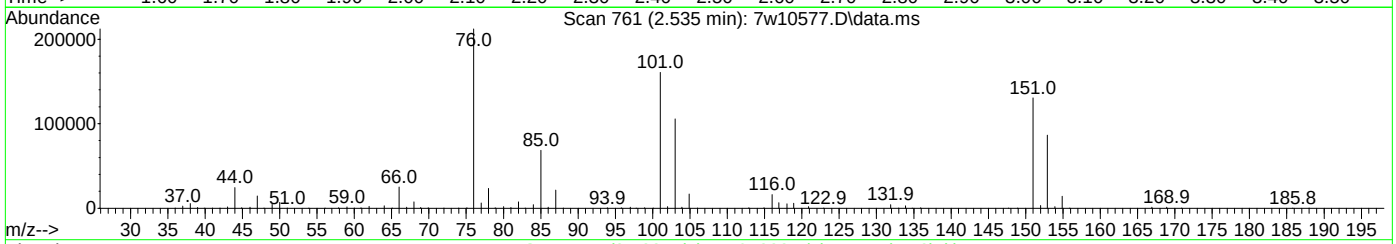
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.64# |
| 44.00 | 19.10 | 0.64# |
| 0.00 | 0.00 | 0.00 |

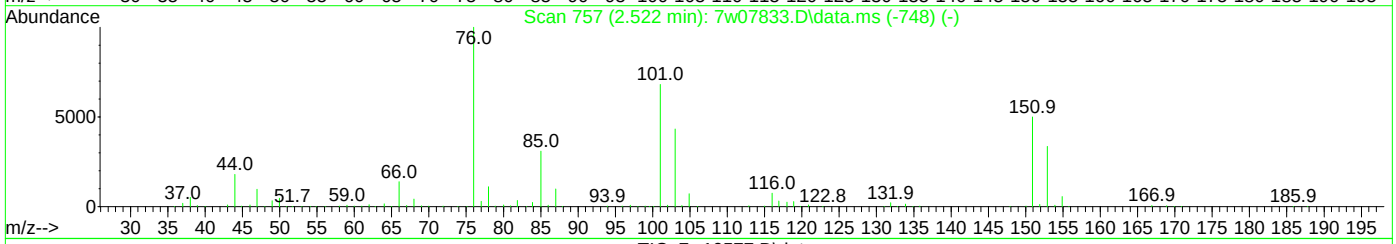
Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10577.D
Acq On : 18 Nov 2024 10:11 am
Operator : bkim
Sample : bs Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:01 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10577.D\data.ms

(27) CARBON DISULFIDE (T)

2.535min (+0.011) 9.62PPBV m

response 224756

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.77# |
| 44.00 | 19.10 | 0.11# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 304227 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 275746 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 59448 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 190632 | 9.42 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 112227 | 14.7201 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 57446 | 13.9579 | PPBV | | 84 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 21726 | 10.9466 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 126112 | 13.0738 | PPBV | | 69 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 252623 | 10.5975 | PPBV | | 94 |
| 7) PROPYLENE | 1.672 | 41 | 67225 | 11.8027 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 168232 | 8.4290 | PPBV | | 92 |
| 9) FREON 114 | 1.766 | 85 | 219573 | 10.8282 | PPBV | | 94 |
| 10) CHLOROMETHANE | 1.737 | 52 | 24803 | 8.0331 | PPBV | | 91 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 95931 | 10.1053 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 74674 | 9.6753 | PPBV | | 84 |
| 13) N-BUTANE | 1.852 | 43 | 121165 | 8.5965 | PPBV | | 95 |
| 14) BROMOMETHANE | 1.914 | 94 | 78468 | 10.3368 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 52103 | 10.7165 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 185911 | 10.0051 | PPBV | | 97 |
| 17) ACETONITRILE | 2.061 | 41 | 76003 | 8.2350 | PPBV | | 99 |
| 18) ACROLEIN | 2.100 | 56 | 44428 | 9.5884 | PPBV | | 98 |
| 19) FREON 123 | 2.113 | 83 | 200054 | 10.5952 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 123450 | 11.3978 | PPBV | | 92 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 210804 | 9.8613 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 172563 | 8.5703 | PPBV | | 96 |
| 23) ACETONE | 2.139 | 58 | 53727 | 9.7912 | PPBV | | 64 |
| 24) PENTANE | 2.312 | 42 | 92167 | 9.0114 | PPBV | | 92 |
| 25) IODOMETHANE | 2.373 | 142 | 223797 | 12.1367 | PPBV | | 89 |
| 26) 1,1-DICHLOROETHYLENE | 2.402 | 96 | 84135 | 10.5767 | PPBV | | 87 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 221254 | 9.5441 | PPBV | # | 90 |
| 28) ETHANOL | 1.997 | 45 | 46856 | 8.5168 | PPBV | | 98 |
| 29) BROMOETHENE | 2.068 | 106 | 82455 | 11.3578 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.283 | 52 | 69892 | 9.3648 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 74697 | 9.1237 | PPBV | | 80 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 40349 | 9.6313 | PPBV | # | 59 |
| 33) FREON 113 | 2.534 | 151 | 136726 | 10.9217 | PPBV | | 89 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 90883 | 11.7146 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 175438 | 9.0773 | PPBV | | 91 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 240324 | 12.3296 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45290 | 12.1941 | PPBV | | 94 |
| 38) HEXANE | 3.328 | 57 | 184582 | 11.3764 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.907 | 86 | 21094 | 11.8881 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 180973 | 12.5184 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 47682 | 12.0598 | PPBV | | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95006 | 11.5473 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 52095 | 12.3395 | PPBV | | 83 |
| 44) ETHYL ACETATE | 3.338 | 61 | 36641 | 11.8170 | PPBV | | 76 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 213749 | 12.0275 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 181081 | 10.8825 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 214369 | 12.3513 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179286 | 11.8362 | PPBV | | 95 |
| 49) CARBON TETRACHLORIDE | 4.344 | 117 | 185073 | 12.4473 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.759 | 62 | 133903 | 10.6105 | PPBV | | 99 |
| 51) | BENZENE | 4.232 | 78 | 285053 | 11.6404 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.441 | 84 | 123486 | 11.4922 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66451 | 12.0762 | PPBV | | 96 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124532 | 10.6877 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 4.897 | 63 | 124852 | 12.0450 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 110196 | 11.2704 | PPBV | | 91 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 264942 | 11.9064 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 197810 | 11.0627 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 581722 | 11.8130 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 67881 | 10.6446 | PPBV | # | 95 |
| 62) | HEPTANE | 5.540 | 43 | 194597 | 11.2566 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 110949 | 11.9216 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 114615 | 10.7700 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 167753 | 12.6282 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 347675 | 10.7410 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 171884 | 10.8082 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139337 | 12.7869 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 100397 | 11.3447 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.849 | 58 | 162687 | 10.0165 | PPBV | | 86 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 179934 | 11.6913 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 135676 | 11.7309 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 199913 | 11.7921 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.145 | 107 | 182986 | 11.7372 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 268341 | 10.3191 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144815 | 12.2454 | PPBV | | 92 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 279014 | 10.4529 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 458943 | 10.4891 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.514 | 91 | 712410 | 20.6129 | PPBV | | 98 |
| 81) | O-XYLENE | 12.444 | 91 | 357163 | 10.2932 | PPBV | | 98 |
| 82) | STYRENE | 12.228 | 104 | 284416 | 11.3288 | PPBV | | 96 |
| 83) | NONANE | 13.563 | 43 | 247974 | 9.0363 | PPBV | | 86 |
| 84) | BROMOFORM | 11.322 | 173 | 196785 | 13.1143 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 261640 | 10.7052 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 198044 | 10.0341 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 142718 | 10.8588 | PPBV | | 90 |
| 89) | BROMOBENZENE | 13.820 | 77 | 245227 | 9.8626 | PPBV | | 90 |
| 90) | 2-CHLOROTOLUENE | 14.958 | 126 | 126461 | 10.4957 | PPBV | | 98 |
| 91) | N-PROPYLBENZENE | 15.289 | 120 | 149258 | 11.0289 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 524683 | 10.9503 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 428738 | 10.6345 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 227883 | 10.6378 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 107149 | 11.1104 | PPBV | | 92 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 444260 | 10.5449 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257782 | 21.0265 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 311779 | 11.0889 | PPBV | | 96 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 312888 | 11.2200 | PPBV | | 96 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 299868 | 11.1368 | PPBV | | 96 |
| 101) | SEC-BUTYLBENZENE | 16.871 | 134 | 133359 | 10.9871 | PPBV | | 89 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 431281 | 10.1111 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 147019 | 10.8548 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 143845 | 10.6995 | PPBV | | 84 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 161090 | 12.3466 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 18.649 | 225 | 225577 | 11.1504 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 279684 | 10.3764 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 646041 | 9.1741 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 447566 | 8.6742 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

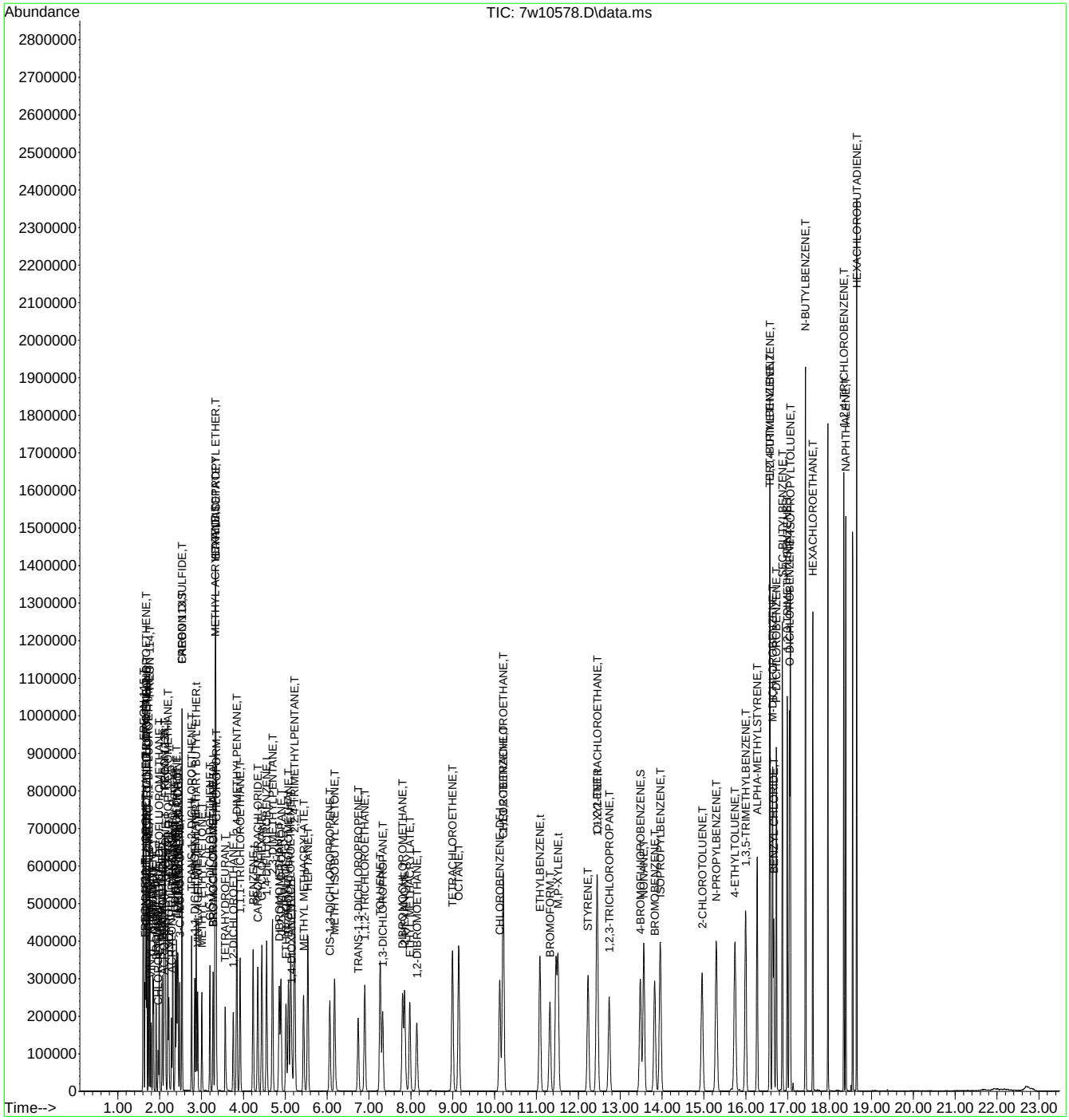
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10578.D
Acq On : 18 Nov 2024 10:46 am
Operator : bkim
Sample : bsd Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:26:23 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 382948 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 316986 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72768 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 227554 | 9.79 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 126184 | 13.5212 | PPBV | 96 |
| 3) FREON 152A | 1.650 | 65 | 65524 | 13.0064 | PPBV | 93 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28168 | 11.5945 | PPBV | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134871 | 11.4225 | PPBV | 86 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 315452 | 10.8108 | PPBV | 99 |
| 7) PROPYLENE | 1.672 | 41 | 80877 | 11.6003 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265409 | 10.8638 | PPBV | 97 |
| 9) FREON 114 | 1.766 | 85 | 286696 | 11.5504 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39336 | 10.4080 | PPBV | 96 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 133813 | 11.5155 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 106307 | 11.2526 | PPBV | 94 |
| 13) N-BUTANE | 1.853 | 43 | 187513 | 10.8686 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 98008 | 10.5475 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 66107 | 11.1080 | PPBV | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 248798 | 10.9386 | PPBV | 98 |
| 17) ACETONITRILE | 2.058 | 41 | 104347 | 9.2366 | PPBV | 100 |
| 18) ACROLEIN | 2.097 | 56 | 56353 | 9.9359 | PPBV | 99 |
| 19) FREON 123 | 2.110 | 83 | 246909 | 10.6830 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 139268 | 10.5046 | PPBV | 91 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 264243 | 10.0985 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 237293 | 9.6279 | PPBV | 99 |
| 23) ACETONE | 2.139 | 58 | 66012 | 9.8280 | PPBV | 84 |
| 24) PENTANE | 2.312 | 42 | 126246 | 10.0840 | PPBV | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 243976 | 10.8091 | PPBV | 96 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 103685 | 10.6485 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 312953 | 11.0286 | PPBV | 96 |
| 28) ETHANOL | 1.997 | 45 | 68332 | 10.1469 | PPBV | 97 |
| 29) BROMOETHENE | 2.065 | 106 | 97120 | 10.9291 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 90682 | 9.9263 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.435 | 84 | 100386 | 10.0170 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 56068 | 10.9336 | PPBV | 88 |
| 33) FREON 113 | 2.531 | 151 | 149829 | 9.7776 | PPBV | 92 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 101879 | 10.7282 | PPBV | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 251712 | 10.6398 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.869 | 73 | 282521 | 11.8413 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 3.560 | 72 | 52317 | 11.5077 | PPBV | 93 |
| 38) HEXANE | 3.325 | 57 | 212284 | 10.6888 | PPBV | 93 |
| 39) VINYL ACETATE | 2.904 | 86 | 25650 | 11.8096 | PPBV | 75 |
| 40) 1,1-DICHLOROETHANE | 2.833 | 63 | 218138 | 12.3272 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 56445 | 11.6629 | PPBV | 87 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113336 | 11.2536 | PPBV | 100 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 60997 | 11.8034 | PPBV | 81 |
| 44) ETHYL ACETATE | 3.338 | 61 | 43757 | 11.5288 | PPBV | 78 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 251871 | 11.5783 | PPBV # | 26 |
| 46) CHLOROFORM | 3.344 | 83 | 228066 | 11.1973 | PPBV | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 242883 | 11.4326 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 216676 | 11.6862 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 217532 | 11.9524 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.756 | 62 | 169233 | 10.9554 | PPBV | | 100 |
| 51) BENZENE | 4.229 | 78 | 331480 | 11.0585 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.438 | 84 | 148223 | 10.9587 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 77476 | 11.1854 | PPBV | | 100 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 151444 | 10.3256 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 143500 | 10.9982 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 130402 | 10.5954 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 303595 | 10.8388 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.071 | 83 | 247135 | 10.9801 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 656851 | 10.5967 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.148 | 88 | 80000 | 9.9662 | PPBV | # | 96 |
| 62) HEPTANE | 5.537 | 43 | 216836 | 9.9647 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 130131 | 11.1084 | PPBV | | 93 |
| 64) METHYL ISOBUTYL KETONE | 6.174 | 58 | 132769 | 9.9113 | PPBV | | 90 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200423 | 11.9861 | PPBV | | 91 |
| 66) TOLUENE | 7.264 | 91 | 404305 | 9.9228 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 207925 | 10.3868 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 168558 | 12.2887 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122608 | 11.0065 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.846 | 58 | 184199 | 9.0096 | PPBV | | 91 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 212394 | 10.9635 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 159732 | 10.9718 | PPBV | | 97 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 233469 | 10.9405 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 224023 | 11.4156 | PPBV | | 98 |
| 75) OCTANE | 9.138 | 43 | 302650 | 9.2460 | PPBV | | 95 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173606 | 12.7700 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.196 | 112 | 332741 | 10.8440 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.084 | 91 | 530999 | 10.5570 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.505 | 91 | 818572 | 20.6032 | PPBV | | 99 |
| 81) O-XYLENE | 12.441 | 91 | 417664 | 10.4708 | PPBV | | 98 |
| 82) STYRENE | 12.225 | 104 | 322768 | 11.1838 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 321867 | 10.2031 | PPBV | | 93 |
| 84) BROMOFORM | 11.318 | 173 | 204791 | 11.8723 | PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 325689 | 11.5921 | PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245814 | 10.8341 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.955 | 120 | 164743 | 10.9038 | PPBV | | 96 |
| 89) BROMOBENZENE | 13.820 | 77 | 297259 | 10.3999 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 14.952 | 126 | 147645 | 10.6596 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 171928 | 11.0512 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.739 | 105 | 606755 | 11.0157 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 496783 | 10.7192 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 253768 | 10.3049 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 126733 | 11.4314 | PPBV | | 93 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 525402 | 10.8484 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 306225 | 21.7283 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 349431 | 10.8111 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 352985 | 11.0111 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 334301 | 10.8003 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 159334 | 11.4193 | PPBV | | 91 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507649 | 10.3532 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 173553 | 11.1468 | PPBV | | 93 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 175339 | 11.3453 | PPBV | | 90 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 192204 | 12.8148 | PPBV | | 94 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 274155 | 11.7886 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 340220 | 10.9802 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.395 | 128 | 782109 | 9.6614 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 609787 | 9.6549 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

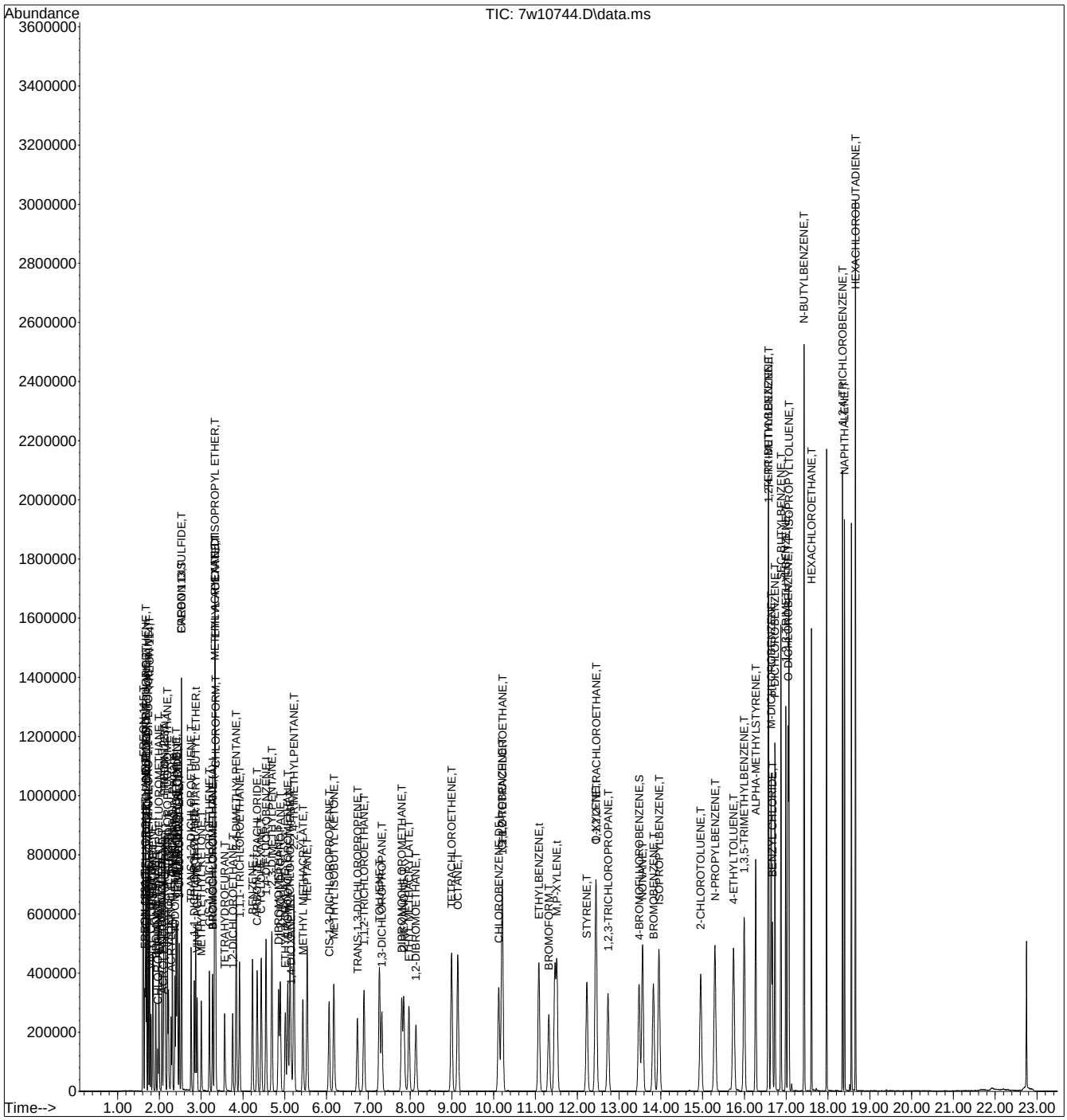
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10744.D
Acq On : 25 Nov 2024 9:50 am
Operator : williamc
Sample : bs Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:40 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 390728 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 328697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 73571 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 238015 | 9.87 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 126767 | 13.4354 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 64072 | 12.5794 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 27910 | 11.3629 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 134953 | 11.3047 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 312492 | 10.5925 | PPBV | | 98 |
| 7) PROPYLENE | 1.673 | 41 | 78101 | 11.0799 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 261180 | 10.5740 | PPBV | | 97 |
| 9) FREON 114 | 1.766 | 85 | 287471 | 11.4552 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.737 | 52 | 37526 | 9.8207 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 131592 | 11.2008 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 102140 | 10.6935 | PPBV | | 95 |
| 13) N-BUTANE | 1.853 | 43 | 182502 | 10.4627 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 96480 | 10.2698 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.965 | 64 | 64033 | 10.6421 | PPBV | | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 243023 | 10.5681 | PPBV | | 99 |
| 17) ACETONITRILE | 2.058 | 41 | 102241 | 8.9514 | PPBV | | 100 |
| 18) ACROLEIN | 2.097 | 56 | 54358 | 9.4795 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 246615 | 10.5538 | PPBV | | 99 |
| 20) FREON 123A | 2.129 | 117 | 140717 | 10.4980 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 261134 | 9.8707 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 232396 | 9.3262 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 63944 | 9.4162 | PPBV | | 84 |
| 24) PENTANE | 2.309 | 42 | 121088 | 9.5664 | PPBV | | 97 |
| 25) IODOMETHANE | 2.370 | 142 | 245857 | 10.7736 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 105886 | 10.7558 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 305632m | 10.6530 | PPBV | | |
| 28) ETHANOL | 1.997 | 45 | 64956 | 9.5403 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 96391 | 10.7286 | PPBV | | 98 |
| 30) ACRYLONITRILE | 2.280 | 52 | 88218 | 9.5512 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.435 | 84 | 99175 | 9.7882 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 55651 | 10.7338 | PPBV | | 90 |
| 33) FREON 113 | 2.531 | 151 | 148017 | 9.5539 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 102117 | 10.6359 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 250941 | 10.4914 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 282260 | 11.7012 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 52892 | 11.5072 | PPBV | | 92 |
| 38) HEXANE | 3.325 | 57 | 213710 | 10.6432 | PPBV | | 93 |
| 39) VINYL ACETATE | 2.907 | 86 | 24425 | 11.1229 | PPBV | | 75 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 214500 | 11.9893 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 55669 | 11.3770 | PPBV | | 90 |
| 42) CIS-1,2-DICHLOROETHENE | 3.197 | 96 | 113738 | 11.1703 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 61300 | 11.7325 | PPBV | | 83 |
| 44) ETHYL ACETATE | 3.335 | 61 | 43835 | 11.4233 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 251911 | 11.4538 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 225298 | 10.9406 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 243275 | 11.3261 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 216349 | 11.5412 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 212833 | 11.5665 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 171263 | 10.9658 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 331521 | 10.9391 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 148534 | 10.7630 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78653 | 11.1293 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 150189 | 10.0361 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 144095 | 10.8239 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.852 | 174 | 128872 | 10.2626 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 309191 | 10.8188 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 242598 | 10.5639 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 665824 | 10.5275 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.158 | 88 | 85002 | 10.3785 | PPBV | # | 94 |
| 62) | HEPTANE | 5.537 | 43 | 220071 | 9.9119 | PPBV | | 95 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 130022 | 10.8781 | PPBV | | 95 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 133602 | 9.7749 | PPBV | | 91 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200690 | 11.7631 | PPBV | | 91 |
| 66) | TOLUENE | 7.267 | 91 | 403801 | 9.7131 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 210098 | 10.2864 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 167872 | 11.9950 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 122856 | 10.8091 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 187489 | 8.9880 | PPBV | | 90 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 216864 | 10.9714 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 161382 | 10.8644 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 232120 | 10.6607 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 224390 | 11.2066 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 305034 | 9.1333 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 173624 | 12.3163 | PPBV | | 96 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 339775 | 10.6787 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 539755 | 10.3488 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.505 | 91 | 828409 | 20.1079 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 426899 | 10.3210 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 326726 | 10.9176 | PPBV | | 98 |
| 83) | NONANE | 13.560 | 43 | 327214 | 10.0030 | PPBV | | 93 |
| 84) | BROMOFORM | 11.318 | 173 | 203920 | 11.4006 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 330684 | 11.3505 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 247809 | 10.5329 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 167761 | 10.7080 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 300920 | 10.1529 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 150937 | 10.5091 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 175229 | 10.8621 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 625538 | 10.9521 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 507213 | 10.5543 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 260983 | 10.2203 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 127325 | 11.0757 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 535071 | 10.6544 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 309390 | 21.1707 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 354409 | 10.5745 | PPBV | | 98 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 362979 | 10.9194 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 338699 | 10.5525 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 162561 | 11.2355 | PPBV | | 91 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 516830 | 10.1649 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 176643 | 10.9411 | PPBV | | 93 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 178412 | 11.1329 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 196316 | 12.6226 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 276712 | 11.4746 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 348894 | 10.8589 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.392 | 128 | 804321 | 9.5818 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 591308 | 9.2601 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

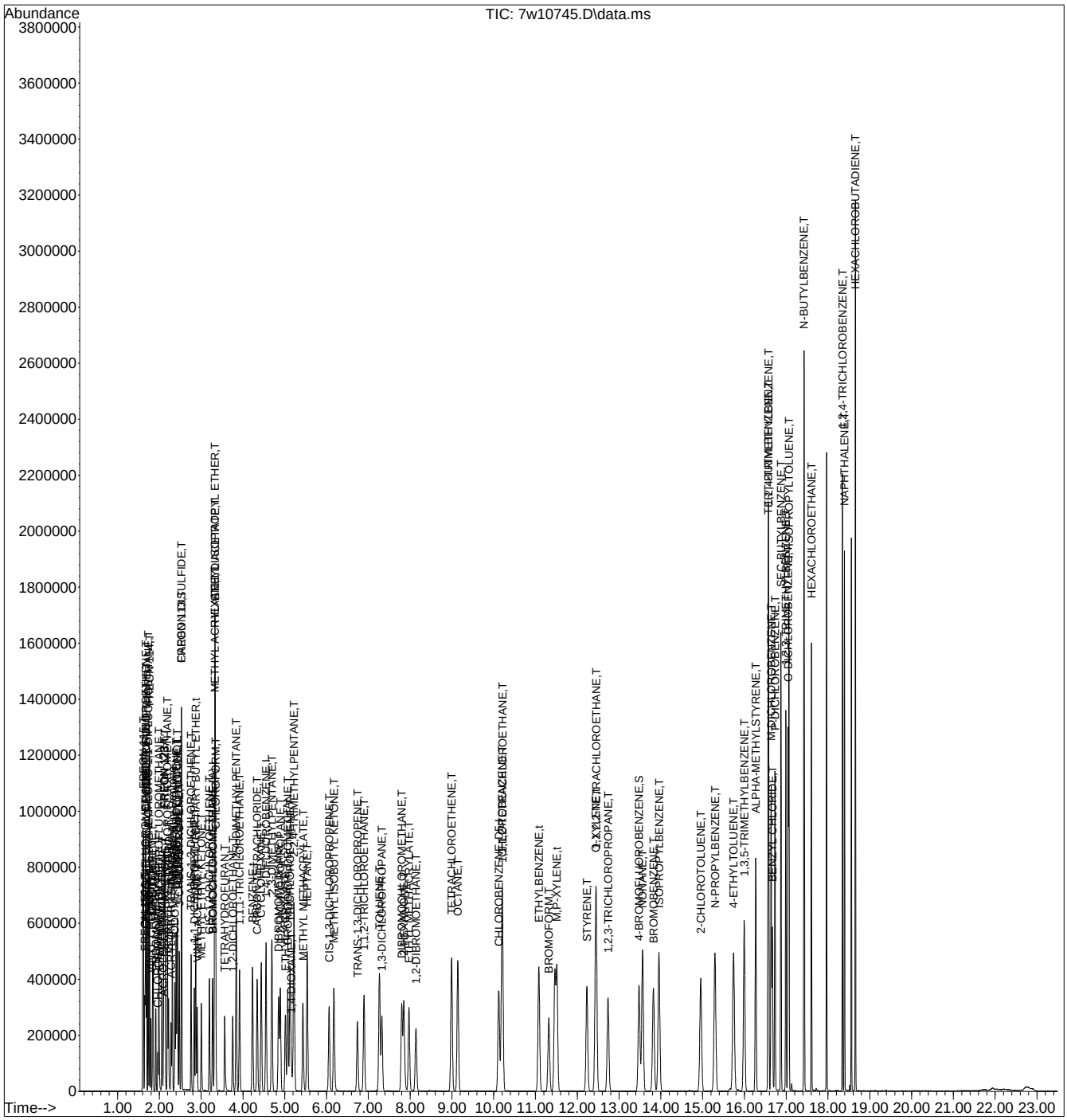
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:30:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



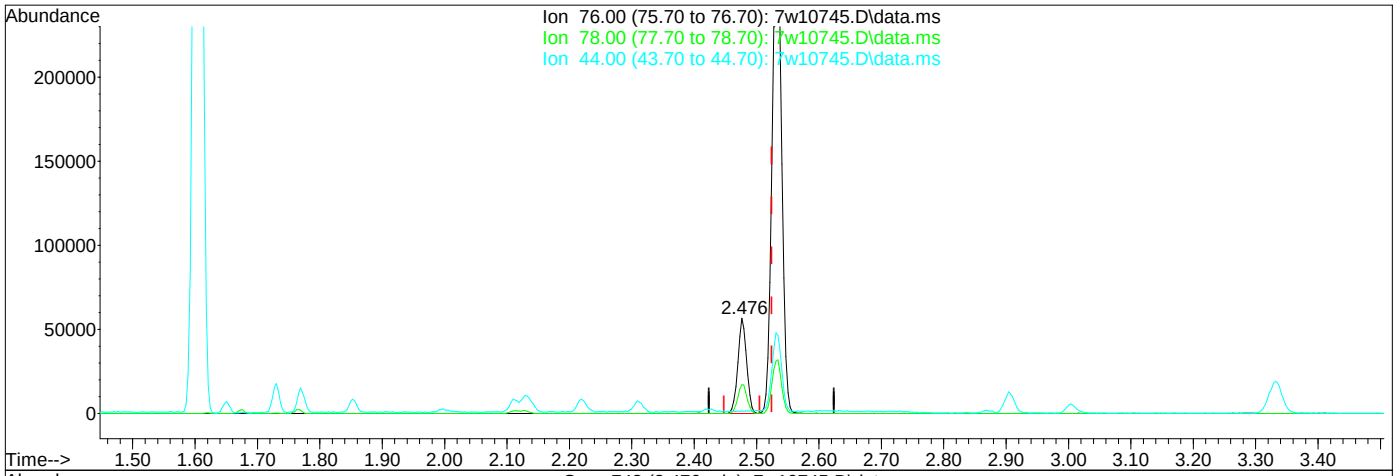
**Sample Number:** V7W392-BSD
**Lab FileID:** 7W10745.D
**Injection Time:** 11/25/24 10:26
**Method:** TO-15
**Analyst approved:** 11/25/24 16:53 Geralyn Gomez
**Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

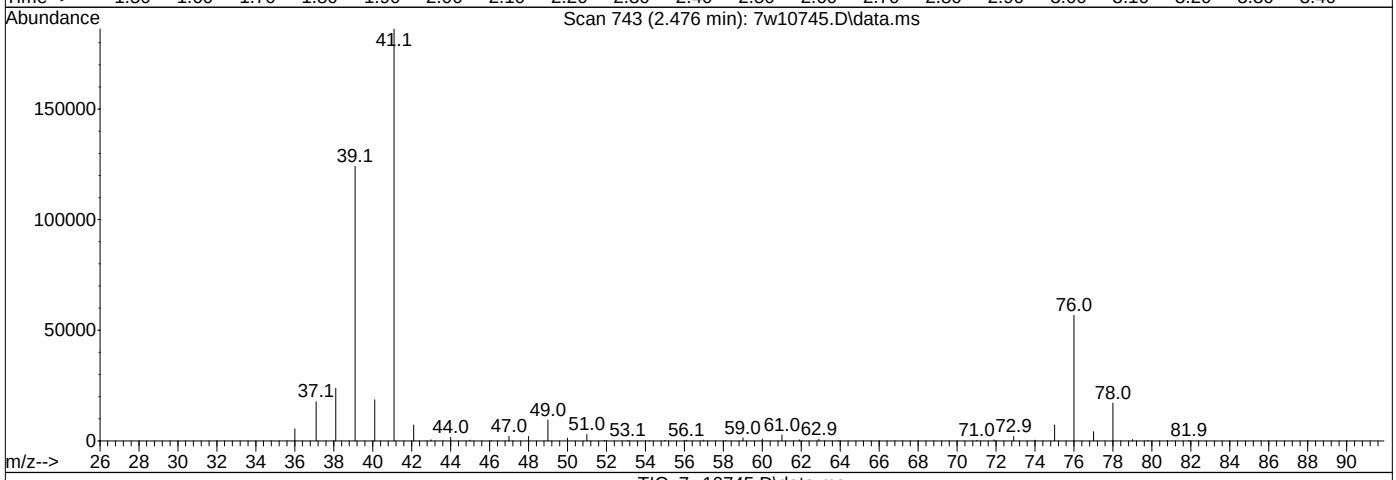
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

# Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.94PPBV

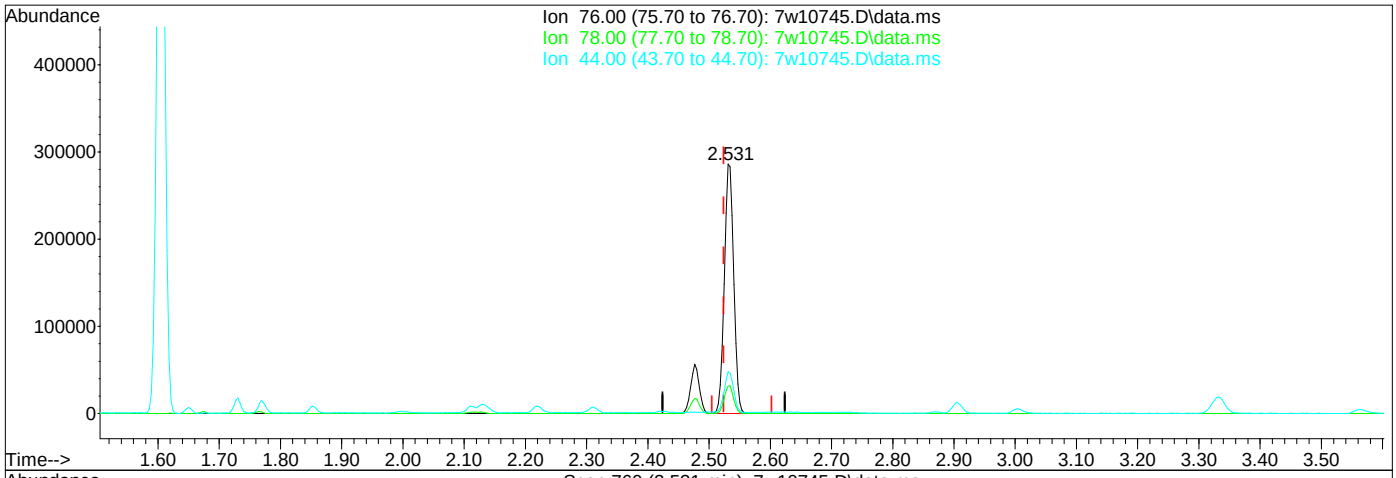
response 55690

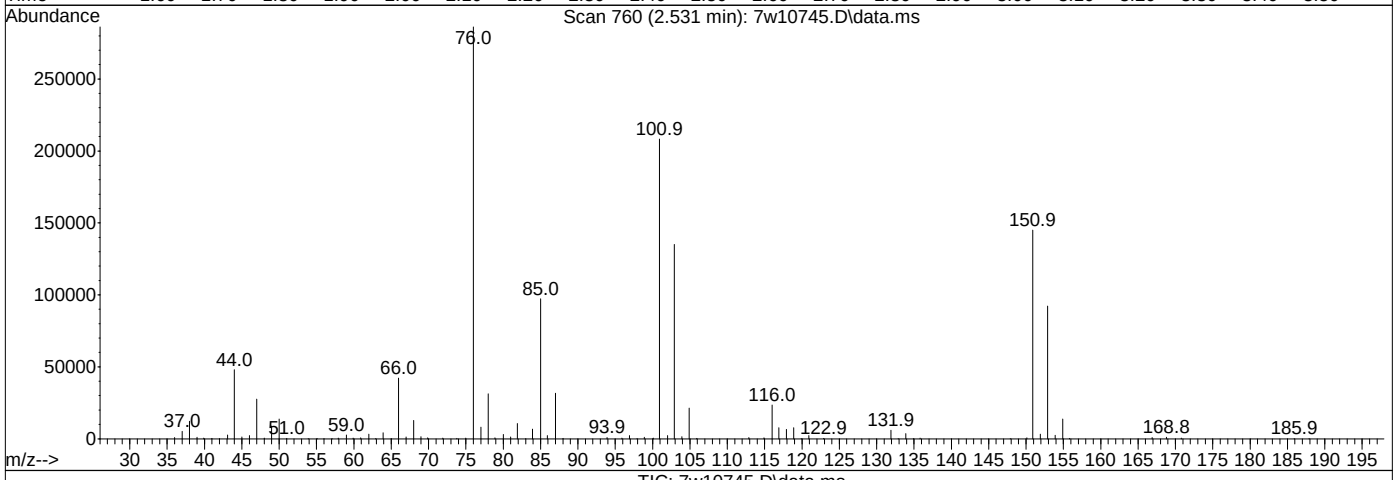
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.24# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10745.D
Acq On : 25 Nov 2024 10:26 am
Operator : williamc
Sample : bsd Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:59:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10745.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 10.65PPBV m

response 305632

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.88# |
| 44.00 | 19.10 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55762 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 306387 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 265550 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55762 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 188349 | 9.67 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 106500 | 14.89 | PPBV | | 85 |
| 3) FREON 152A | 1.650 | 65 | 61238 | 15.86 | PPBV | | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22677 | 12.18 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 122214 | 13.51 | PPBV | | 88 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 290858 | 13.01 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 84030 | 15.73 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 185916 | 9.93 | PPBV | | 92 |
| 9) FREON 114 | 1.766 | 85 | 269470 | 14.17 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 32753 | 11.31 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 113517 | 12.75 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.836 | 54 | 92751 | 12.81 | PPBV | | 86 |
| 13) N-BUTANE | 1.852 | 43 | 160948 | 12.17 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 104563 | 14.68 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 59411 | 13.03 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 215018 | 12.34 | PPBV | # | 97 |
| 17) ACETONITRILE | 2.058 | 41 | 99105 | 11.45 | PPBV | | 97 |
| 18) ACROLEIN | 2.097 | 56 | 51997 | 11.96 | PPBV | | 99 |
| 19) FREON 123 | 2.113 | 83 | 259845 | 14.67 | PPBV | | 97 |
| 20) FREON 123A | 2.129 | 117 | 152493 | 15.01 | PPBV | | 86 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 239506 | 11.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 216551 | 11.47 | PPBV | | 94 |
| 23) ACETONE | 2.139 | 58 | 61918 | 12.03 | PPBV | | 64 |
| 24) PENTANE | 2.312 | 42 | 117359 | 12.23 | PPBV | | 90 |
| 25) IODOMETHANE | 2.373 | 142 | 272580 | 15.76 | PPBV | | 81 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 111361 | 14.92 | PPBV | | 70 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 295323 | 13.58 | PPBV | # | 88 |
| 28) ETHANOL | 1.997 | 45 | 62609 | 12.13 | PPBV | | 99 |
| 29) BROMOETHENE | 2.068 | 106 | 107486 | 15.78 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.283 | 52 | 88126 | 12.59 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 100522 | 13.09 | PPBV | | 76 |
| 32) 3-CHLOROPROPENE | 2.479 | 76 | 53323 | 13.57 | PPBV | # | 55 |
| 33) FREON 113 | 2.534 | 151 | 166592 | 14.19 | PPBV | | 97 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.762 | 96 | 109732 | 15.08 | PPBV | | 91 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 190378 | 10.50 | PPBV | | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 256963 | 14.05 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.566 | 72 | 48225 | 13.84 | PPBV | | 99 |
| 38) HEXANE | 3.328 | 57 | 187705 | 12.33 | PPBV | | 94 |
| 39) VINYL ACETATE | 2.907 | 86 | 23917 | 14.37 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 192475 | 14.19 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 51463 | 13.88 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 99089 | 12.84 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 54327 | 13.72 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.338 | 61 | 40163 | 13.81 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 227306 | 13.64 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 196824 | 12.61 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 212817 | 13.07 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 175996 | 12.39 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 162651 | 11.66 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.756 | 62 | 128009 | 10.81 | PPBV | | 98 |
| 51) BENZENE | 4.229 | 78 | 310150 | 13.50 | PPBV | | 95 |
| 53) CYCLOHEXANE | 4.441 | 84 | 131886 | 12.19 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 70937 | 12.80 | PPBV | | 95 |
| 55) TRICHLOROETHENE | 5.129 | 95 | 130917 | 11.16 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 127172 | 12.18 | PPBV | | 94 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 94402 | 9.59 | PPBV | | 89 |
| 58) ETHYL ACRYLATE | 5.016 | 55 | 277489 | 12.38 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.074 | 83 | 214651 | 11.92 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 580253 | 11.70 | PPBV | | 97 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 74868 | 11.66 | PPBV | # | 99 |
| 62) HEPTANE | 5.537 | 43 | 220116 | 12.64 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 5.438 | 69 | 123107 | 13.13 | PPBV | | 94 |
| 64) METHYL ISOBUTYL KETONE | 6.174 | 58 | 119368 | 11.14 | PPBV | | 97 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 177416 | 13.26 | PPBV | | 89 |
| 66) TOLUENE | 7.267 | 91 | 374197 | 11.48 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.328 | 76 | 187022 | 11.68 | PPBV | | 98 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 144804 | 13.19 | PPBV | | 89 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 113514 | 12.74 | PPBV | | 95 |
| 70) 2-HEXANONE | 7.849 | 58 | 169735 | 10.38 | PPBV | | 99 |
| 71) ETHYL METHACRYLATE | 7.974 | 69 | 202078 | 13.04 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.997 | 164 | 119065 | 10.22 | PPBV | | 98 |
| 73) DIBROMOCHLOROMETHANE | 7.801 | 129 | 178399 | 10.45 | PPBV | | 99 |
| 74) 1,2-DIBROMOETHANE | 8.142 | 107 | 189050 | 12.04 | PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 301124 | 11.50 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 125015 | 10.98 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.199 | 112 | 274076 | 10.66 | PPBV | | 96 |
| 79) ETHYLBENZENE | 11.080 | 91 | 497407 | 11.80 | PPBV | | 100 |
| 80) M,P-XYLENE | 11.508 | 91 | 726797 | 21.84 | PPBV | | 98 |
| 81) O-XYLENE | 12.440 | 91 | 374880 | 11.22 | PPBV | | 97 |
| 82) STYRENE | 12.228 | 104 | 286378 | 11.84 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 317181 | 12.00 | PPBV | | 97 |
| 84) BROMOFORM | 11.322 | 173 | 141287 | 9.78 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 302053 | 12.83 | PPBV | | 99 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 213053 | 11.21 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.955 | 120 | 131119 | 10.36 | PPBV | | 97 |
| 89) BROMOBENZENE | 13.820 | 77 | 267853 | 11.19 | PPBV | | 89 |
| 90) 2-CHLOROTOLUENE | 14.952 | 126 | 115898 | 9.99 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.292 | 120 | 136951 | 10.51 | PPBV | | 98 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 522037 | 11.31 | PPBV | | 97 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 422011 | 10.87 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 213910 | 10.37 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 95366 | 10.27 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 440654 | 10.86 | PPBV | | 97 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 272864 | 23.11 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 265681 | 9.81 | PPBV | | 99 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 274797 | 10.23 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.042 | 146 | 256426 | 9.89 | PPBV | | 99 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 119348 | 10.21 | PPBV | | 85 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 426966 | 10.39 | PPBV | | 99 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 132145 | 10.13 | PPBV | | 99 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 131796 | 10.18 | PPBV | | 79 |
| 105) HEXACHLOROETHANE | 17.601 | 117 | 152519 | 12.14 | PPBV | | 97 |
| 106) HEXACHLOROBUTADIENE | 18.652 | 225 | 175631 | 9.01 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.344 | 180 | 241852 | 9.32 | PPBV | | 100 |
| 108) NAPHTHALENE | 18.389 | 128 | 643847 | 9.49 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 545653 | 11.27 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

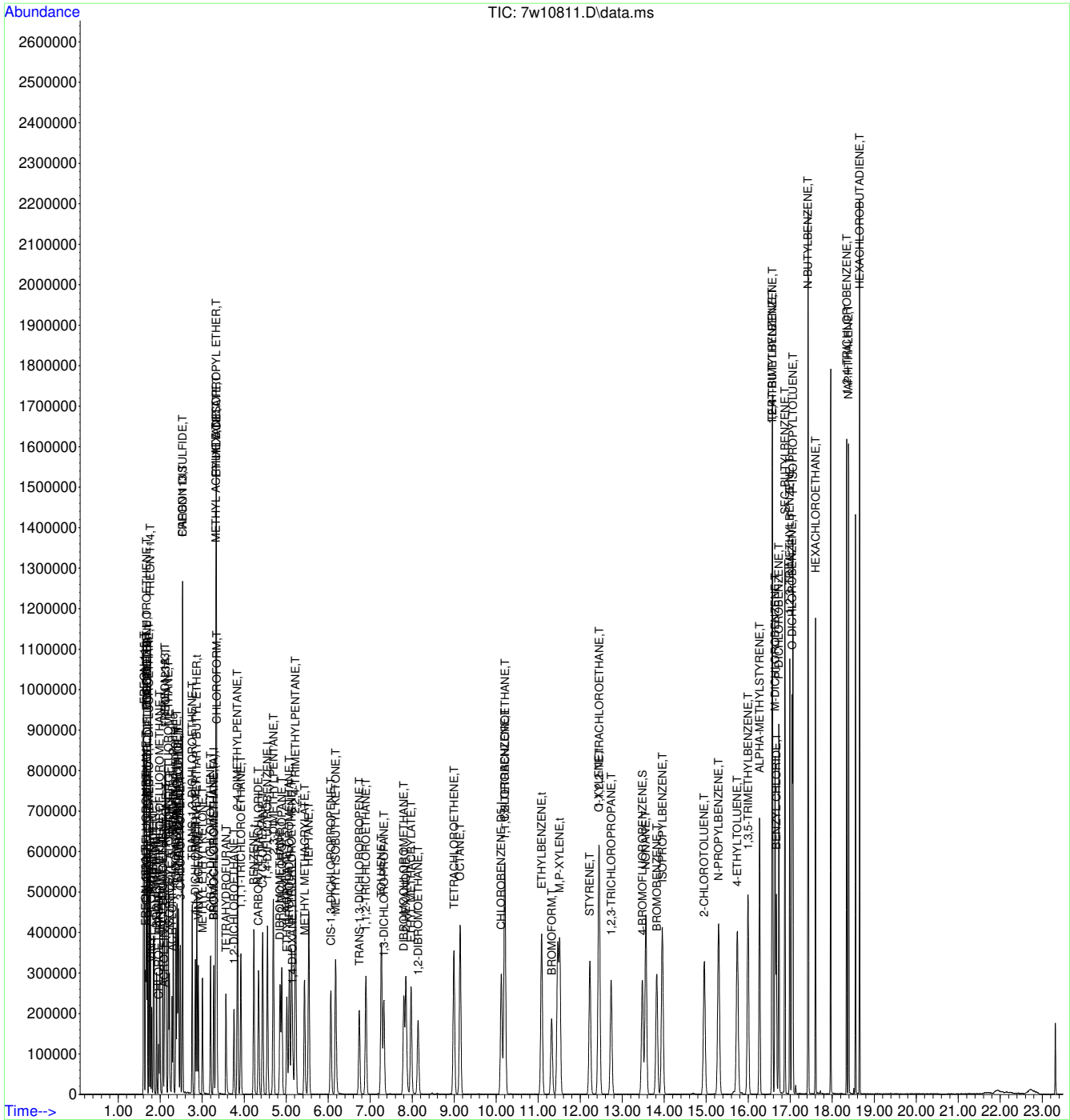
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10811.D
Acq On : 27 Nov 2024 7:39 pm
Operator : benk
Sample : bs
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 20:10:00 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60346 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 312395 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 269051 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60346 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 191776 | 9.72 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 106529 | 13.76 | PPBV | | 85 |
| 3) FREON 152A | 1.650 | 65 | 62703 | 15.01 | PPBV | | 88 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 23122 | 11.48 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 123893 | 12.65 | PPBV | | 88 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 295636 | 12.22 | PPBV | | 95 |
| 7) PROPYLENE | 1.673 | 41 | 88440 | 15.30 | PPBV | | 96 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 185189 | 9.14 | PPBV | # | 92 |
| 9) FREON 114 | 1.766 | 85 | 269185 | 13.08 | PPBV | | 95 |
| 10) CHLOROMETHANE | 1.737 | 52 | 32903 | 10.50 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 112209 | 11.64 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 94107 | 12.01 | PPBV | | 86 |
| 13) N-BUTANE | 1.853 | 43 | 166559 | 11.64 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.914 | 94 | 104797 | 13.60 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 60159 | 12.19 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 217264 | 11.52 | PPBV | # | 96 |
| 17) ACETONITRILE | 2.058 | 41 | 101619 | 10.85 | PPBV | | 98 |
| 18) ACROLEIN | 2.100 | 56 | 52419 | 11.14 | PPBV | | 98 |
| 19) FREON 123 | 2.113 | 83 | 261887 | 13.66 | PPBV | | 97 |
| 20) FREON 123A | 2.129 | 117 | 152091 | 13.83 | PPBV | | 87 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 240713 | 11.09 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 220779 | 10.80 | PPBV | | 94 |
| 23) ACETONE | 2.139 | 58 | 61680 | 11.07 | PPBV | | 69 |
| 24) PENTANE | 2.312 | 42 | 120248 | 11.58 | PPBV | | 89 |
| 25) IODOMETHANE | 2.374 | 142 | 277707 | 14.84 | PPBV | | 80 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 112705 | 13.96 | PPBV | | 69 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 293492 | 12.47 | PPBV | # | 88 |
| 28) ETHANOL | 1.997 | 45 | 65804 | 11.78 | PPBV | | 97 |
| 29) BROMOETHENE | 2.065 | 106 | 108160 | 14.68 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.284 | 52 | 88162 | 11.64 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 101365 | 12.20 | PPBV | | 75 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 53923 | 12.68 | PPBV | # | 55 |
| 33) FREON 113 | 2.534 | 151 | 170210 | 13.39 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.763 | 96 | 111894 | 14.21 | PPBV | | 89 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 192712 | 9.82 | PPBV | | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 270739 | 13.68 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 49832 | 13.22 | PPBV | | 98 |
| 38) HEXANE | 3.328 | 57 | 198565 | 12.06 | PPBV | | 94 |
| 39) VINYL ACETATE | 2.907 | 86 | 26963 | 14.97 | PPBV | | 83 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 201145 | 13.71 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 56721 | 14.13 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 107628 | 12.89 | PPBV | | 94 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 58187 | 13.58 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.338 | 61 | 41782 | 13.27 | PPBV | | 96 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 243906 | 13.52 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.351 | 83 | 208124 | 12.32 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.843 | 57 | 218316 | 12.39 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 178890 | 11.63 | PPBV | | 95 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 165080 | 10.94 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 131697 | 10.28 | PPBV | | 99 |
| 51) | BENZENE | 4.232 | 78 | 316810 | 12.74 | PPBV | | 95 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 134240 | 12.17 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 72174 | 12.77 | PPBV | | 95 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 132893 | 11.11 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 130020 | 12.22 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 96344 | 9.60 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 5.016 | 55 | 288262 | 12.62 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 218689 | 11.91 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 596717 | 11.80 | PPBV | | 97 |
| 61) | 1,4-DIOXANE | 5.155 | 88 | 75185 | 11.48 | PPBV | # | 99 |
| 62) | HEPTANE | 5.537 | 43 | 222999 | 12.56 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.438 | 69 | 124388 | 13.02 | PPBV | | 95 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 123073 | 11.26 | PPBV | | 97 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 180485 | 13.23 | PPBV | | 89 |
| 66) | TOLUENE | 7.267 | 91 | 380891 | 11.46 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 190366 | 11.66 | PPBV | | 98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 146904 | 13.13 | PPBV | | 89 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 116319 | 12.80 | PPBV | | 95 |
| 70) | 2-HEXANONE | 7.849 | 58 | 173928 | 10.43 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 202836 | 12.83 | PPBV | | 96 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 121916 | 10.27 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 181262 | 10.41 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 191767 | 11.98 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 309731 | 11.60 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 128269 | 11.12 | PPBV | | 97 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 280245 | 10.76 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 494526 | 11.58 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.508 | 91 | 756612 | 22.44 | PPBV | | 99 |
| 81) | O-XYLENE | 12.444 | 91 | 380458 | 11.24 | PPBV | | 98 |
| 82) | STYRENE | 12.232 | 104 | 290453 | 11.86 | PPBV | | 98 |
| 83) | NONANE | 13.563 | 43 | 326525 | 12.19 | PPBV | | 96 |
| 84) | BROMOFORM | 11.319 | 173 | 142264 | 9.72 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 304802 | 12.78 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 215221 | 11.18 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 133926 | 10.44 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.820 | 77 | 272710 | 11.24 | PPBV | | 89 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 118611 | 10.09 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 139571 | 10.57 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 530790 | 11.35 | PPBV | | 98 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 428635 | 10.90 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 218511 | 10.45 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 97378 | 10.35 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 450835 | 10.97 | PPBV | | 96 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 271229 | 22.67 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 270808 | 9.87 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 278637 | 10.24 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 259712 | 9.89 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 122823 | 10.37 | PPBV | | 87 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 432355 | 10.39 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 135537 | 10.26 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 138395 | 10.55 | PPBV | | 83 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 155023 | 12.18 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.649 | 225 | 178158 | 9.03 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 240778 | 9.16 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.389 | 128 | 639760 | 9.31 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.312 | TIC | 555843 | 10.61 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

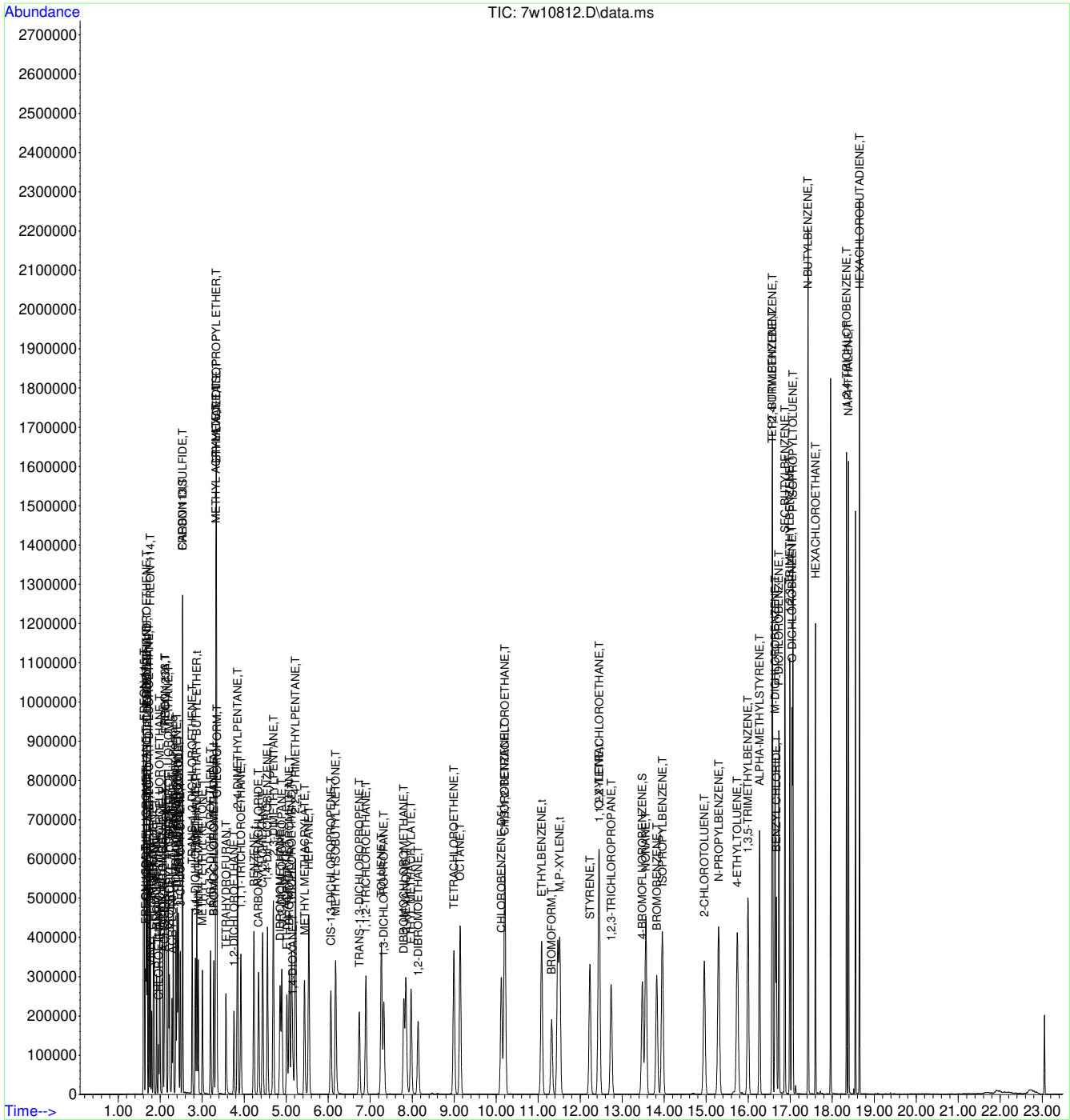
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10812.D
Acq On : 27 Nov 2024 8:15 pm
Operator : benk
Sample : bsd
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 21:30:38 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 341152 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.834 | 114 | 1550754 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 1025782 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 341152 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1127917 | 9.83 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 98.30% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 580306 | 12.43 | PPBV | | 87 |
| 3) FREON 152A | 3.545 | 65 | 320366 | 12.69 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 191839 | 14.66 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 593886 | 10.05 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1603255 | 12.86 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 377442 | 12.02 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1576918 | 12.35 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 1826484 | 11.94 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.772 | 52 | 145306 | 9.04 | PPBV | | 97 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 593830 | 10.49 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 365230 | 9.61 | PPBV | | 87 |
| 13) n-BUTANE | 4.065 | 43 | 709202 | 9.73 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 588794 | 9.87 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 268230 | 10.37 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1454240 | 11.37 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 385156 | 9.15 | PPBV | | 98 |
| 18) ACROLEIN | 4.714 | 56 | 187042 | 10.17 | PPBV | | 95 |
| 19) FREON 123 | 4.732 | 83 | 1400928 | 10.88 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 711738 | 10.40 | PPBV | # | 77 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1391070 | 12.07 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 853947 | 11.70 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 219308 | 7.97 | PPBV | | 98 |
| 24) PENTANE | 5.228 | 42 | 444082 | 12.25 | PPBV | | 96 |
| 25) IODOMETHANE | 5.417 | 142 | 1205470 | 12.54 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 420428 | 11.77 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1312173 | 12.70 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 235793 | 8.81 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 520063 | 10.23 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.197 | 52 | 259121 | 9.07 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 401944 | 11.23 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 213502 | 12.94 | PPBV | | 94 |
| 33) FREON 113 | 5.815 | 151 | 730374 | 12.30 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 433959 | 11.50 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 874757 | 12.74 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1337052 | 13.82 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 207730 | 14.03 | PPBV | | 99 |
| 38) HEXANE | 7.699 | 57 | 644426 | 12.06 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 79218 | 12.97 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 870259 | 12.41 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 214897 | 14.52 | PPBV | | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.491 | 96 | 462622 | 11.82 | PPBV | | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 202733 | 12.49 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.742 | 61 | 152383 | 13.96 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 796039 | 12.25 | PPBV | | 99 |
| 46) CHLOROFORM | 7.809 | 83 | 1106537 | 12.64 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 739946 | 12.66 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1116391 | 12.55 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1132473 | 12.05 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 801045 | 14.06 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1379509 | 12.27 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 545013 | 12.91 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 288914 | 12.67 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 662802 | 11.19 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.354 | 63 | 530631 | 11.12 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 725460 | 12.51 | PPBV | | 89 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 961698 | 12.78 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1296683 | 12.53 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 2040937 | 11.96 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.666 | 88 | 310062 | 11.85 | PPBV | # | 90 |
| 62) | HEPTANE | 11.027 | 43 | 757294 | 12.70 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 515170 | 13.79 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 404769 | 12.74 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 949812 | 13.11 | PPBV | | 96 |
| 66) | TOLUENE | 12.954 | 92 | 914443 | 11.63 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 847453 | 12.25 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 878210 | 13.16 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 552789 | 11.64 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.352 | 58 | 582264 | 12.03 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 874856 | 12.35 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.459 | 164 | 724137 | 10.81 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1097363 | 10.07 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 911071 | 10.08 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1088115 | 12.08 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 692014 | 9.20 | PPBV | | 85 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1197071 | 9.07 | PPBV | | 91 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 2114091 | 11.18 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1440067 | 20.07 | PPBV | | 89 |
| 81) | o-XYLENE | 16.900 | 106 | 711907 | 10.22 | PPBV | | 88 |
| 82) | STYRENE | 16.747 | 104 | 1092079 | 10.93 | PPBV | | 94 |
| 83) | NONANE | 17.304 | 43 | 1125028 | 11.97 | PPBV | | 99 |
| 84) | BROMOFORM | 16.283 | 173 | 1488858 | 13.36 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1490313 | 10.64 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1074166 | 10.63 | PPBV | | 92 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2085393 | 9.68 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1255606 | 10.31 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 495328 | 9.17 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 534380 | 9.78 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2103019 | 10.57 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1773968 | 10.43 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 834872 | 9.10 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 355440 | 9.58 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1917561 | 10.75 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1354118 | 9.64 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 2007420 | 10.49 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1326658 | 10.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 422729 | 9.55 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1886161 | 10.41 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 491728 | 9.45 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1233415 | 9.67 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 474883 | 9.92 | PPBV | # | 71 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 962829 | 10.79 | PPBV | # | 80 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1840228 | 15.34 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1342041 | 11.81 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2306330 | 9.25 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2904603 | 10.88 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

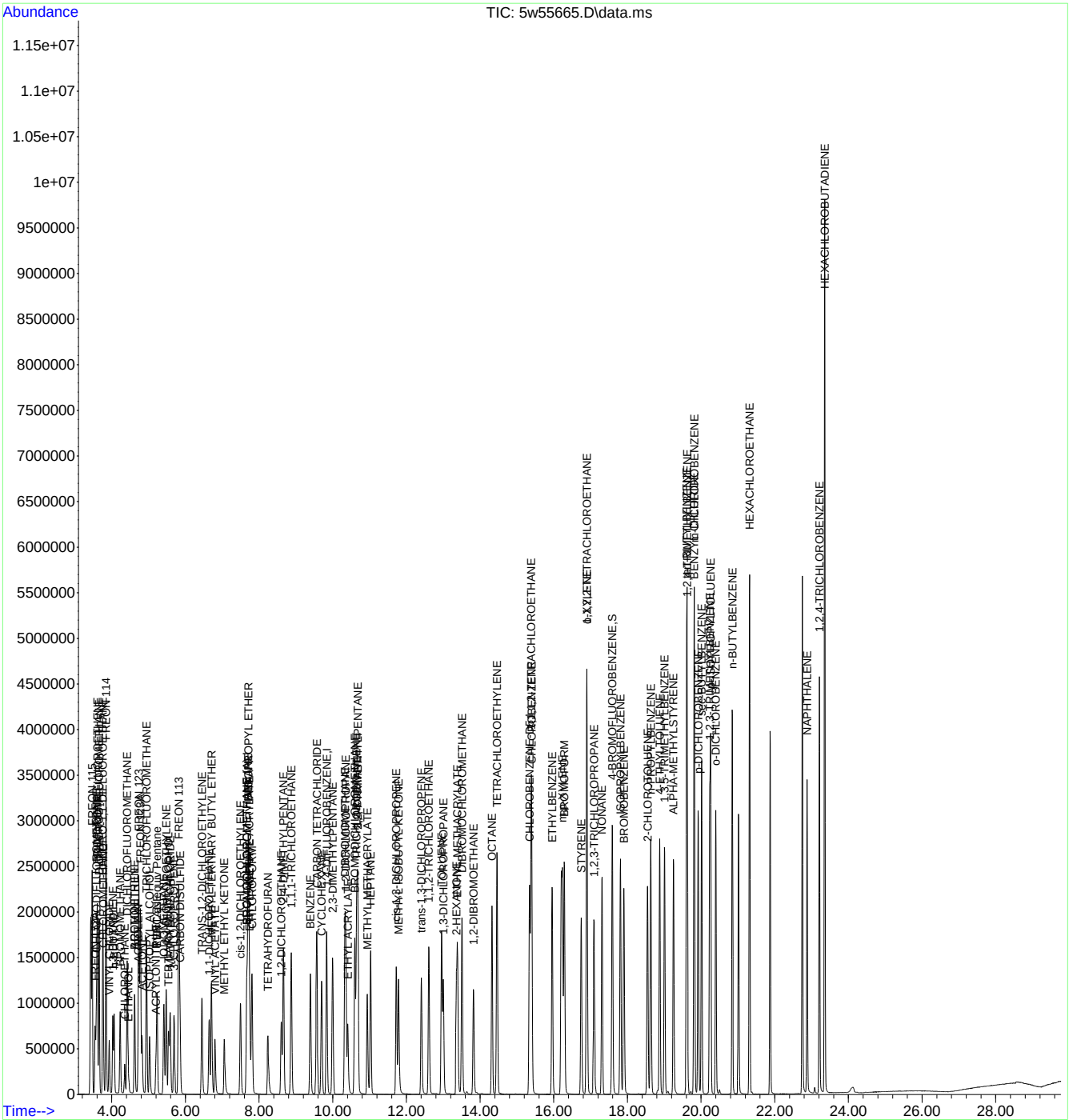
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55665.D
Acq On : 16 Dec 2024 2:48 pm
Operator : thomash
Sample : bs
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 15:46:38 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 328331 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1518453 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 1014713 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 328331 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1136727 | 10.01 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.10% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 555178 | 12.35 | PPBV | | 85 |
| 3) FREON 152A | 3.546 | 65 | 298262 | 12.28 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 179176 | 14.23 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 562630 | 9.90 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1498087 | 12.49 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 352363 | 11.66 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1517988 | 12.35 | PPBV | | 97 |
| 9) FREON 114 | 3.846 | 85 | 1749402 | 11.89 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.772 | 52 | 143129 | 9.25 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 571565 | 10.49 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 353505 | 9.67 | PPBV | | 88 |
| 13) n-BUTANE | 4.066 | 43 | 695207 | 9.91 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 565818 | 9.86 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 261540 | 10.50 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1394933 | 11.33 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 377335 | 9.31 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 180626 | 10.21 | PPBV | | 96 |
| 19) FREON 123 | 4.733 | 83 | 1362523 | 11.00 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 678102 | 10.30 | PPBV | # | 74 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1309631 | 11.81 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 825912 | 11.76 | PPBV | | 97 |
| 23) ACETONE | 4.824 | 58 | 208886 | 7.89 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 434002 | 12.44 | PPBV | | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1171331 | 12.66 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 413959 | 12.05 | PPBV | | 89 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1276726 | 12.84 | PPBV | | 97 |
| 28) ETHANOL | 4.451 | 45 | 235434 | 9.14 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 500800 | 10.24 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.204 | 52 | 255687 | 9.29 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 393250 | 11.42 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 210802 | 13.28 | PPBV | | 95 |
| 33) FREON 113 | 5.822 | 151 | 709168 | 12.41 | PPBV | | 94 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 421988 | 11.62 | PPBV | | 92 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 850202 | 12.86 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1311374 | 14.09 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 206222 | 14.47 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 635159 | 12.35 | PPBV | | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 76616 | 13.03 | PPBV | | 97 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 853260 | 12.64 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 213129 | 14.96 | PPBV | | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 452352 | 12.00 | PPBV | | 92 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 201877 | 12.92 | PPBV | | 98 |
| 44) ETHYL ACETATE | 7.749 | 61 | 150172 | 14.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 780033 | 12.47 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 1100436 | 13.06 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 729392 | 12.96 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1109698 | 12.97 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.566 | 117 | 1119558 | 12.38 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 794532 | 14.49 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1366132 | 12.41 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 537723 | 13.01 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 292100 | 13.09 | PPBV | | 95 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 655950 | 11.31 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 529733 | 11.34 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 706390 | 12.44 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 966237 | 13.11 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 1285318 | 12.69 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 2031240 | 12.15 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 307176 | 11.98 | PPBV | # | 76 |
| 62) | HEPTANE | 11.028 | 43 | 762656 | 13.06 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 507798 | 13.88 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 408240 | 13.13 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 947874 | 13.36 | PPBV | | 94 |
| 66) | TOLUENE | 12.961 | 92 | 909579 | 11.82 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 854641 | 12.62 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 869187 | 13.31 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 548990 | 11.81 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.359 | 58 | 585868 | 12.24 | PPBV | | 92 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 887314 | 12.66 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 720325 | 10.87 | PPBV | | 85 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 1101331 | 10.22 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 916866 | 10.26 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1085591 | 12.18 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 686934 | 9.23 | PPBV | | 85 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1196746 | 9.16 | PPBV | | 91 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 2119009 | 11.33 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1448698 | 20.41 | PPBV | | 88 |
| 81) | o-XYLENE | 16.901 | 106 | 717058 | 10.41 | PPBV | | 87 |
| 82) | STYRENE | 16.748 | 104 | 1110118 | 11.23 | PPBV | | 94 |
| 83) | NONANE | 17.311 | 43 | 1144866 | 12.31 | PPBV | | 100 |
| 84) | BROMOFORM | 16.289 | 173 | 1493118 | 13.54 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1515358 | 10.94 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1079973 | 10.80 | PPBV | | 92 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2094103 | 9.82 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1265597 | 10.51 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 493203 | 9.23 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 535093 | 9.90 | PPBV | | 98 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2144969 | 10.90 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1796773 | 10.68 | PPBV | | 96 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 838767 | 9.24 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 358973 | 9.78 | PPBV | | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1957876 | 11.10 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1368807 | 9.85 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 2032236 | 10.73 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1325705 | 10.22 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 428188 | 9.77 | PPBV | # | 86 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1891681 | 10.56 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 497775 | 9.67 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1241771 | 9.85 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 477396 | 10.08 | PPBV | # | 68 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 982618 | 11.13 | PPBV | # | 80 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 2014121 | 16.97 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1459847 | 12.99 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2414020 | 9.79 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2817019 | 10.96 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

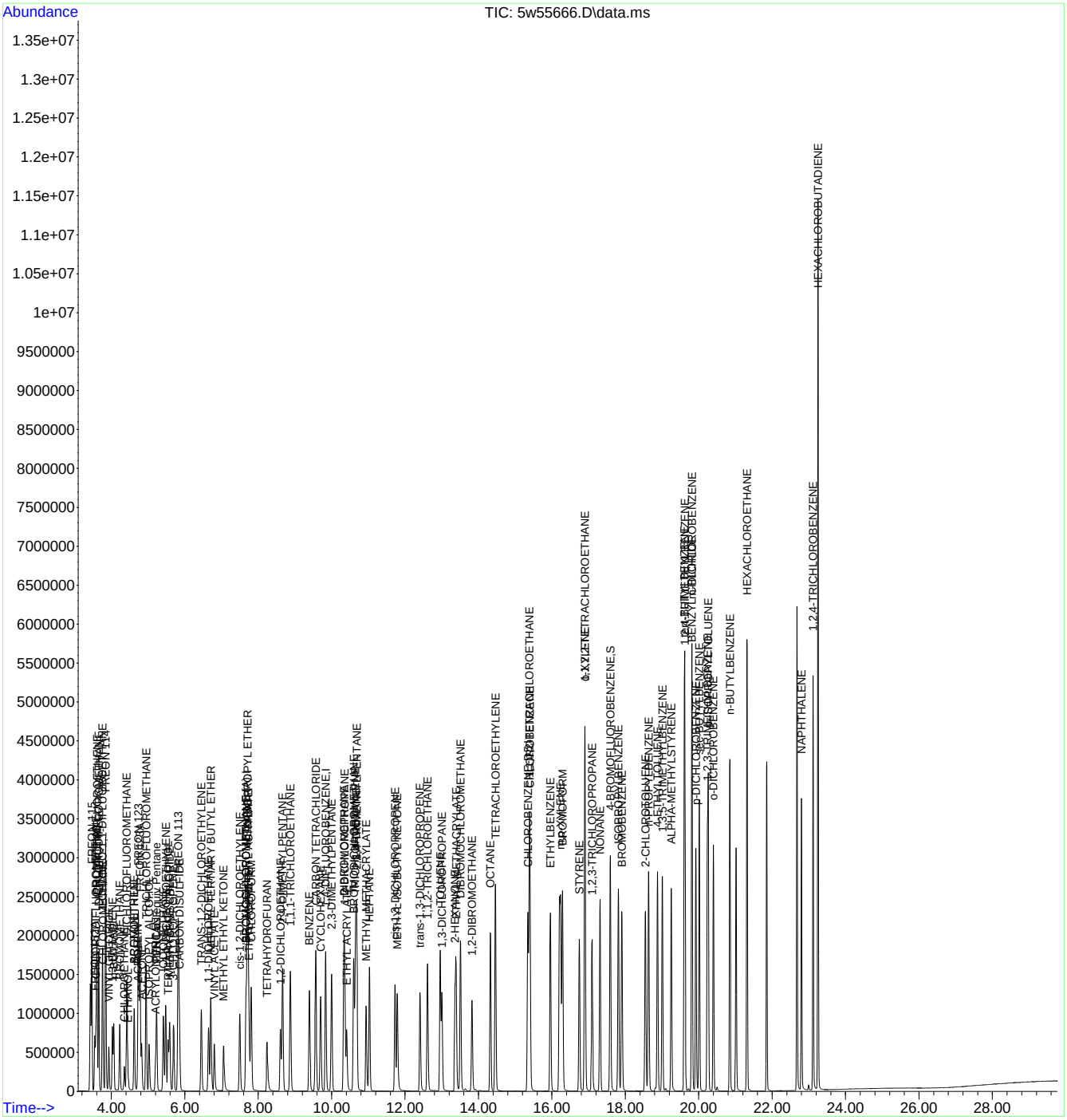
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55666.D
Acq On : 16 Dec 2024 3:29 pm
Operator : thomash
Sample : bsd
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 17:14:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/20/24 20:19

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

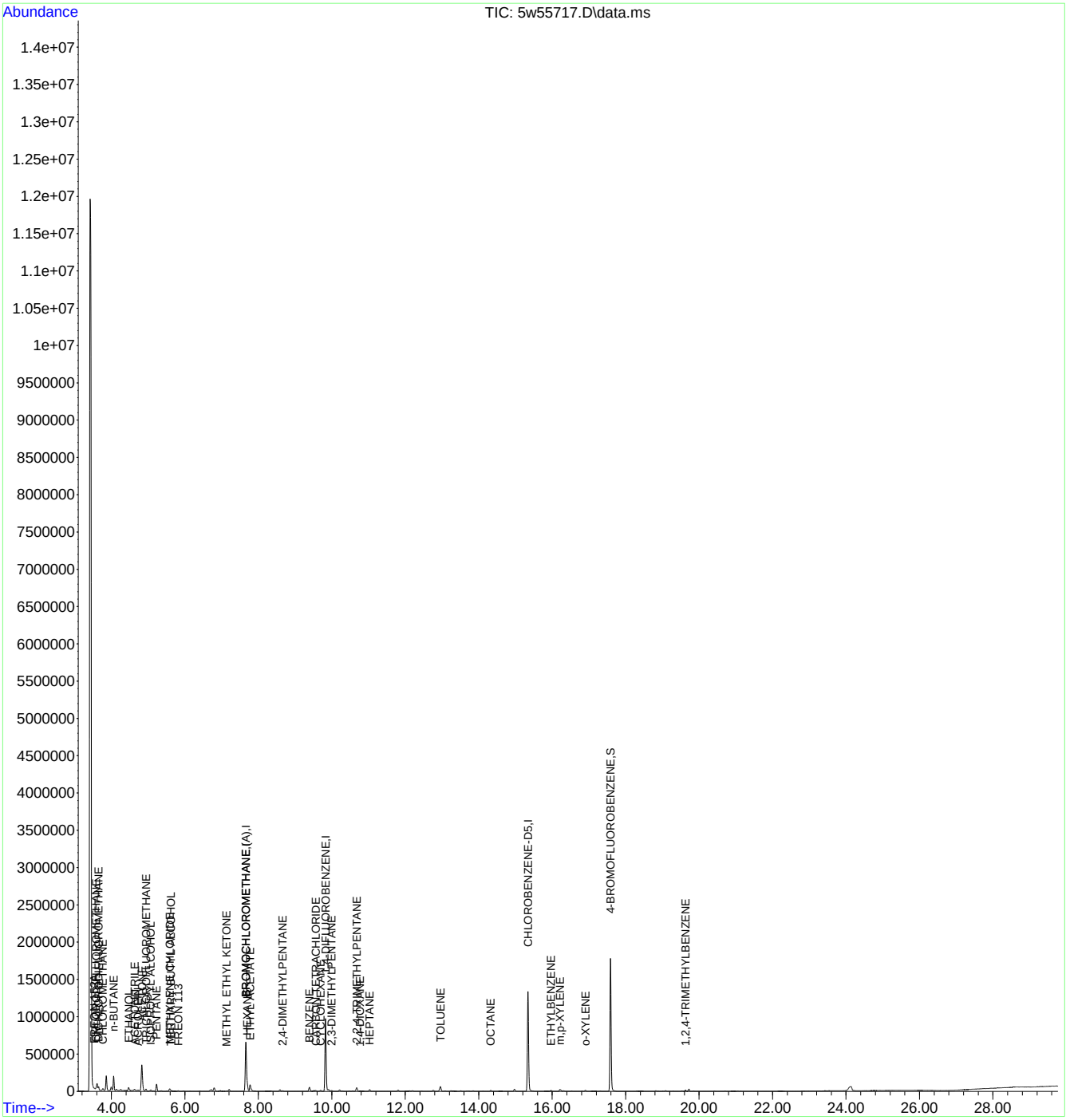
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 796945 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 502343 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 156769 | 10.00 | PPBV | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 595808 | 10.60 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 3081 | 0.27 | PPBV # | 12 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2376 | 0.40 | PPBV | 81 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 41107 | 0.72 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.766 | 52 | 7350 | 0.99 | PPBV | 86 |
| 13) n-BUTANE | 4.060 | 43 | 164897 | 4.92 | PPBV | 96 |
| 17) ACETONITRILE | 4.629 | 41 | 23651 | 1.22 | PPBV | 94 |
| 18) ACROLEIN | 4.720 | 56 | 6082 | 0.72 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 21099 | 0.40 | PPBV | 95 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 20961 | 0.62 | PPBV | 87 |
| 23) ACETONE | 4.837 | 58 | 90583 | 7.16 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 42490 | 2.55 | PPBV | 97 |
| 28) ETHANOL | 4.470 | 45 | 51672 | 4.20 | PPBV | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13242 | 0.81 | PPBV | 84 |
| 33) FREON 113 | 5.815 | 151 | 2590 | 0.09 | PPBV | 88 |
| 35) TERTIARY BUTYL ALCOHOL | 5.626 | 59 | 3127 | 0.10 | PPBV # | 1 |
| 38) HEXANE | 7.700 | 57 | 29755 | 1.21 | PPBV | 88 |
| 41) METHYL ETHYL KETONE | 7.131 | 72 | 1558m | 0.23 | PPBV | |
| 44) ETHYL ACETATE | 7.773 | 61 | 16258 | 3.24 | PPBV # | 72 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 2940 | 0.11 | PPBV | 78 |
| 49) CARBON TETRACHLORIDE | 9.559 | 117 | 3996 | 0.09 | PPBV | 92 |
| 52) BENZENE | 9.394 | 78 | 55338 | 0.96 | PPBV | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 4104 | 0.19 | PPBV # | 70 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 1495 | 0.13 | PPBV # | 63 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 40594 | 0.46 | PPBV | 82 |
| 61) 1,4-DIOXANE | 10.765 | 88 | 2063 | 0.15 | PPBV # | 1 |
| 62) HEPTANE | 11.028 | 43 | 10550 | 0.34 | PPBV | 87 |
| 66) TOLUENE | 12.961 | 92 | 30255 | 0.75 | PPBV | 95 |
| 76) OCTANE | 14.325 | 43 | 6737 | 0.15 | PPBV | 72 |
| 79) ETHYLBENZENE | 15.965 | 91 | 11469 | 0.12 | PPBV | 94 |
| 80) m,p-XYLENE | 16.215 | 106 | 11351 | 0.32 | PPBV | 94 |
| 81) o-XYLENE | 16.901 | 106 | 4250 | 0.12 | PPBV # | 78 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 8380 | 0.10 | PPBV # | 37 |

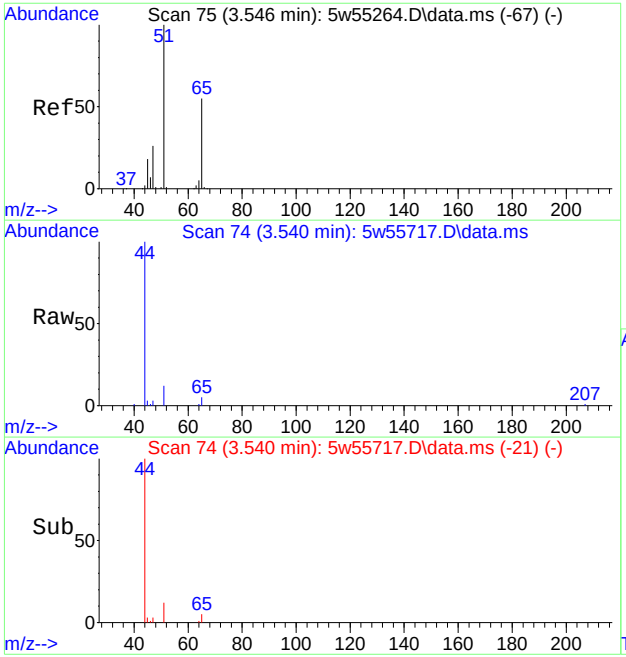
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 20:13:18 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

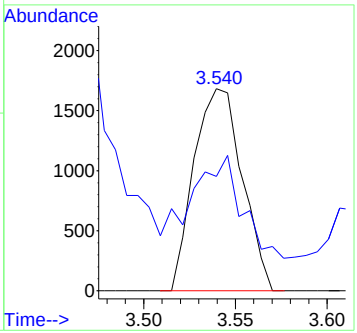


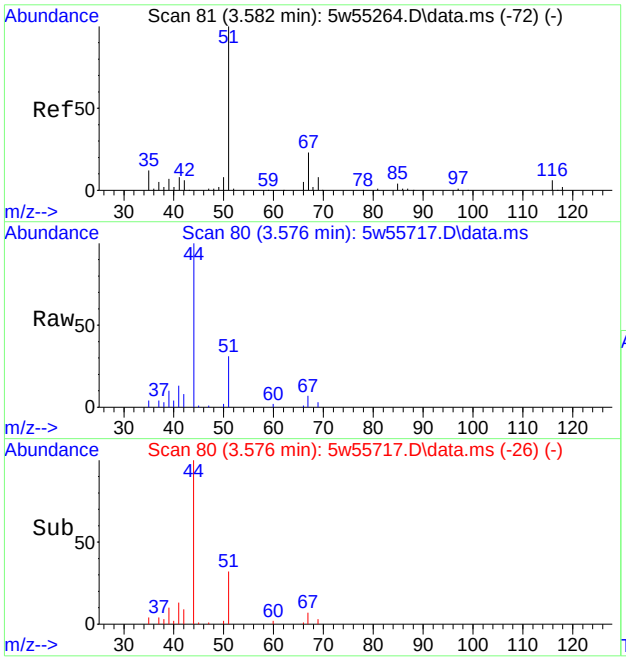



#3
FREON 152A
Concen: 0.27 PPBV
RT: 3.540 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 65 Resp: 3081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 80.6 | 1.8 | 61.8# |

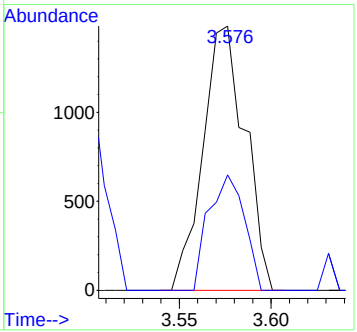


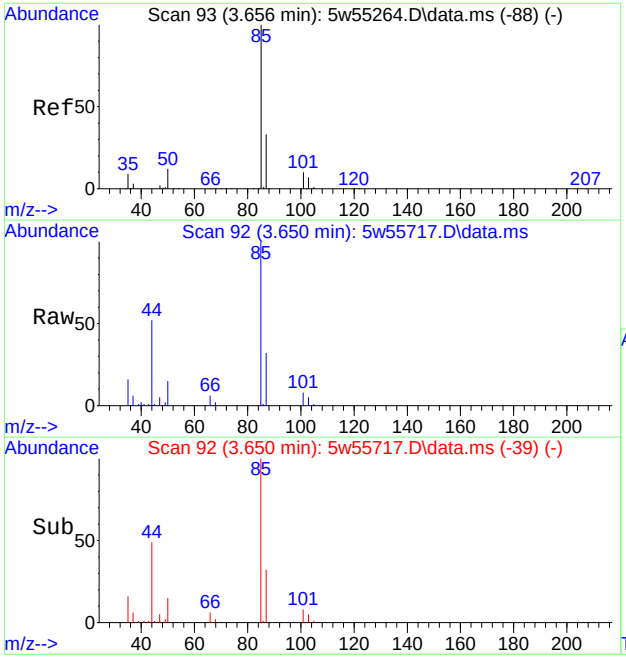




#4
CHLORODIFLUOROMETHANE
Concen: 0.40 PPBV
RT: 3.576 min Scan# 80
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 67 Resp: 2376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 43.7 | 2.9 | 62.9 |

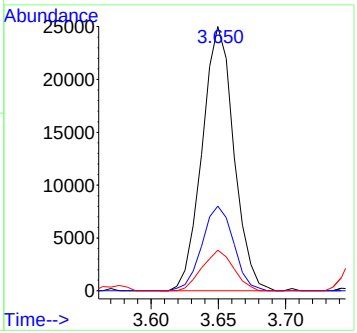


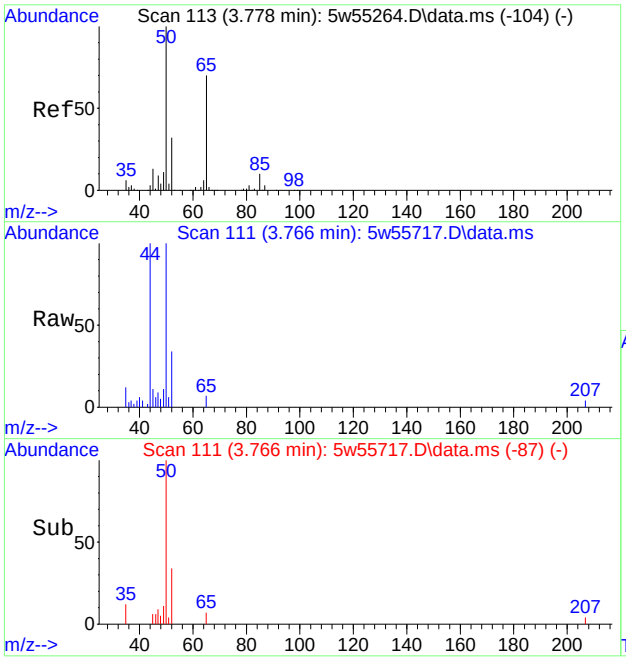



#6
DICHLORODIFLUOROMETHANE
Concen: 0.72 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 85 Resp: 41107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.9 | 2.6 | 62.6 |
| 50 | 15.2 | 0.0 | 43.0 |

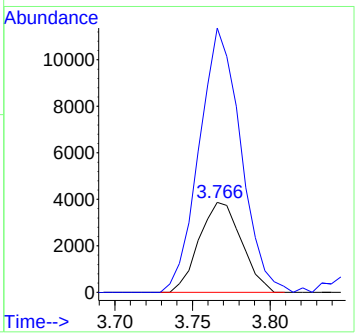


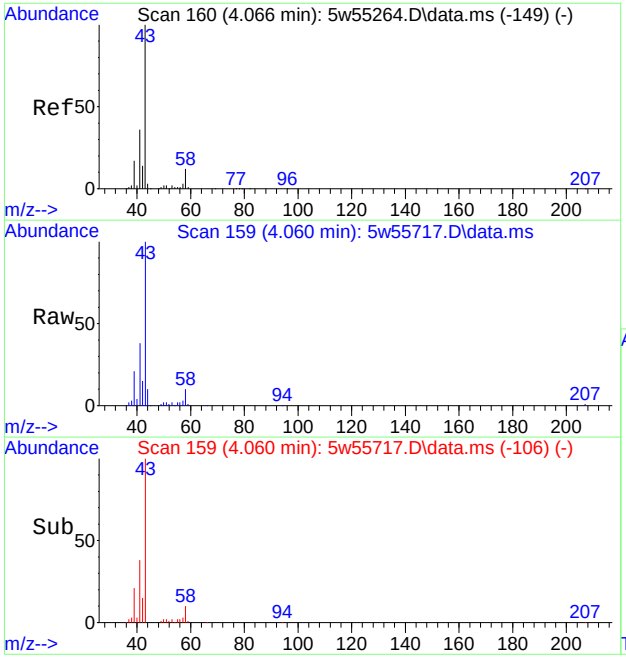




#10
CHLOROMETHANE
Concen: 0.99 PPBV
RT: 3.766 min Scan# 111
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 52 Resp: 7350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 290.3 | 287.9 | 347.9 |

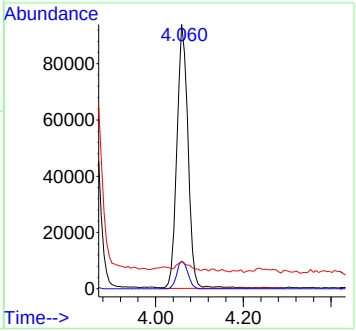


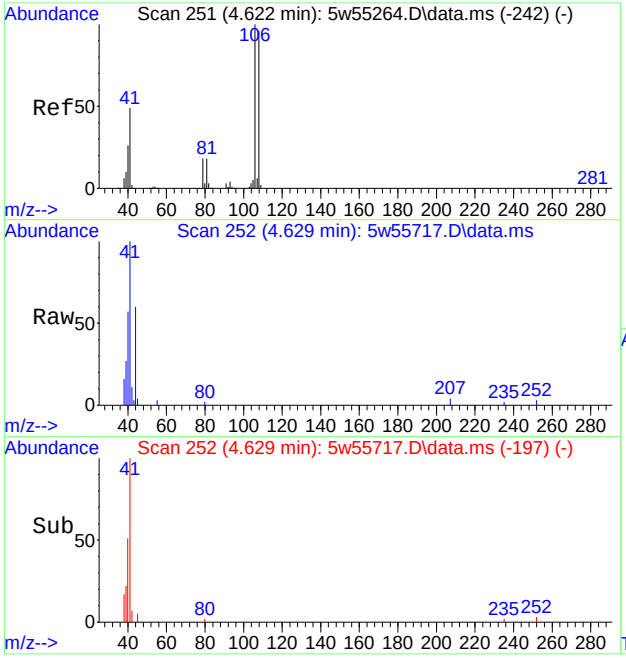



#13
n-BUTANE
Concen: 4.92 PPBV
RT: 4.060 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 164897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.4 | 0.0 | 41.6 |
| 44 | 6.2 | 0.0 | 34.7 |

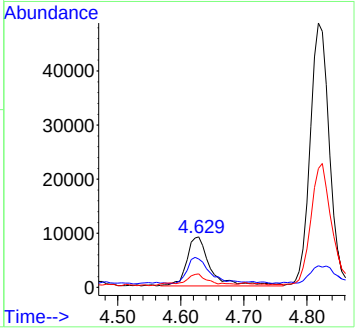


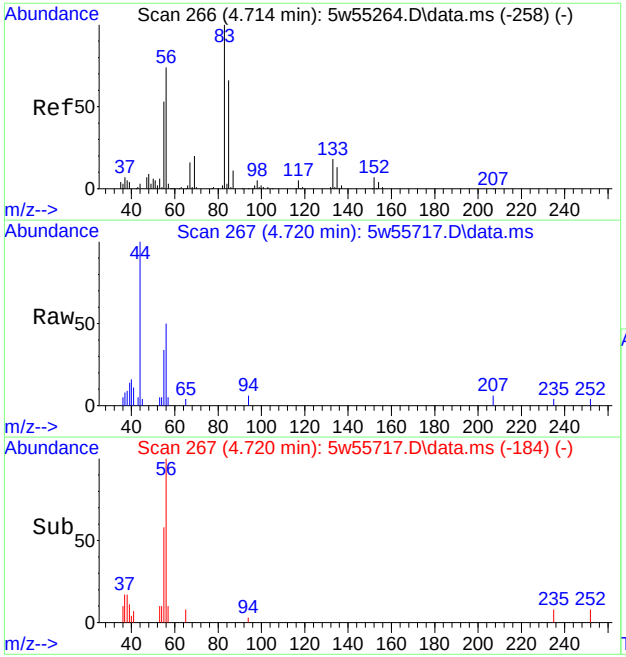




#17
ACETONITRILE
Concen: 1.22 PPBV
RT: 4.629 min Scan# 252
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 41 Resp: 23651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 57.5 | 38.4 | 71.4 |
| 39 | 25.2 | 13.7 | 25.5 |

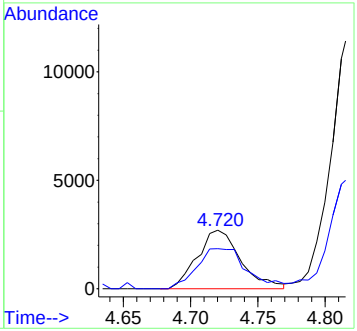


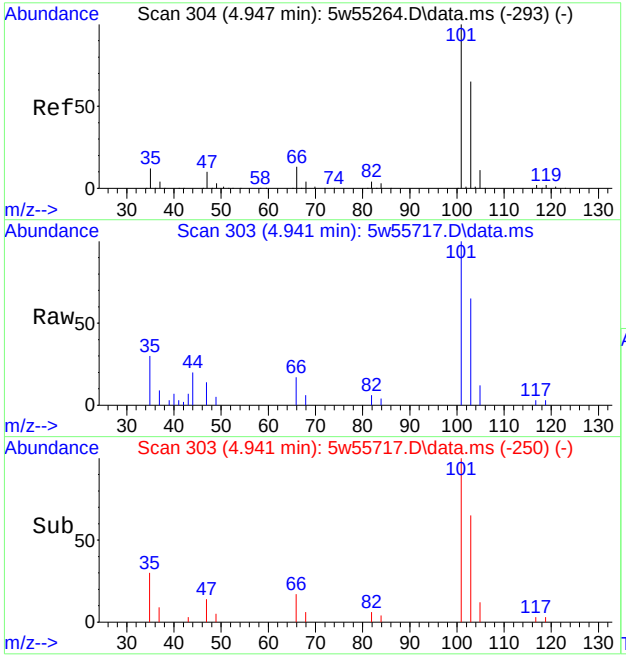



#18
ACROLEIN
Concen: 0.72 PPBV
RT: 4.720 min Scan# 267
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 56 Resp: 6082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 80.5 | 49.8 | 92.6 |

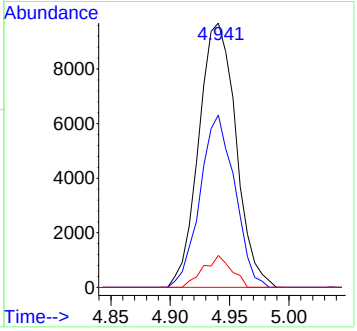


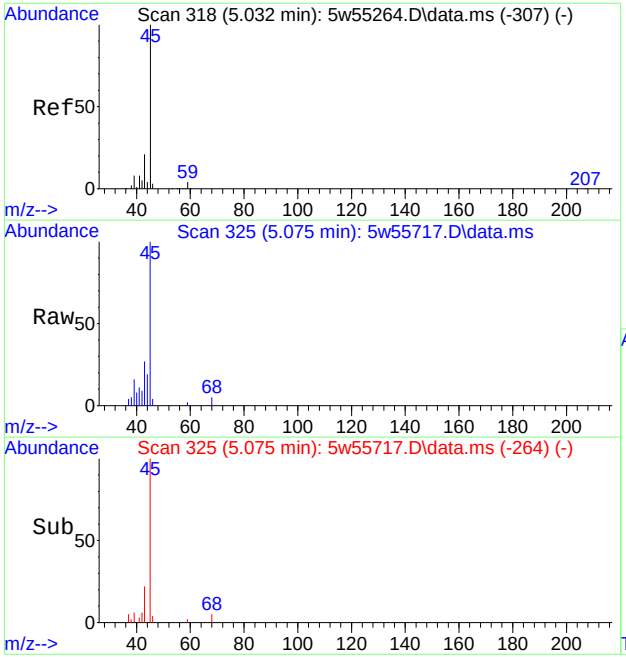




#21
TRICHLOROFLUOROMETHANE
Concen: 0.40 PPBV
RT: 4.941 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:101 Resp: 21099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 60.7 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

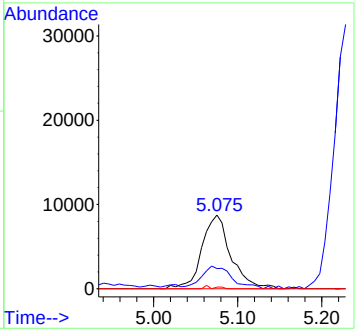


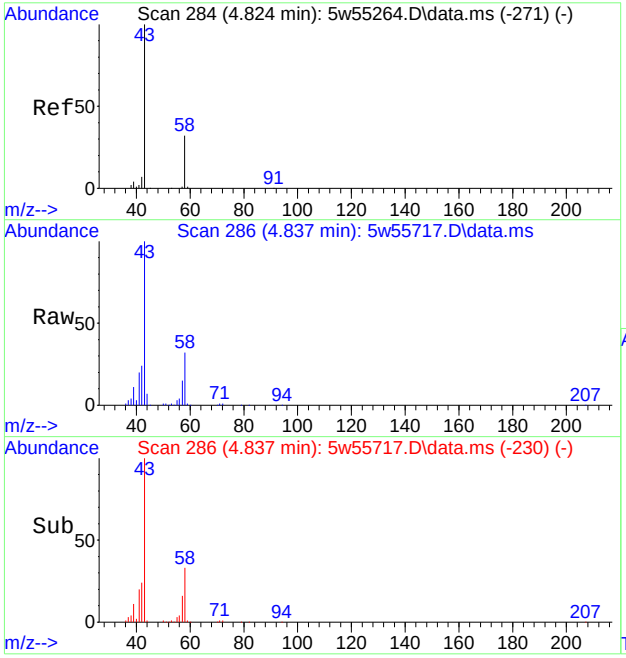



#22
ISOPROPYL ALCOHOL
Concen: 0.62 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 20961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.4 | 0.0 | 50.8 |
| 59 | 2.3 | 0.0 | 33.8 |

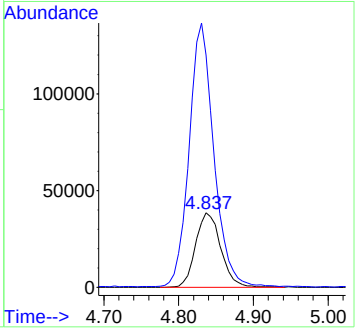


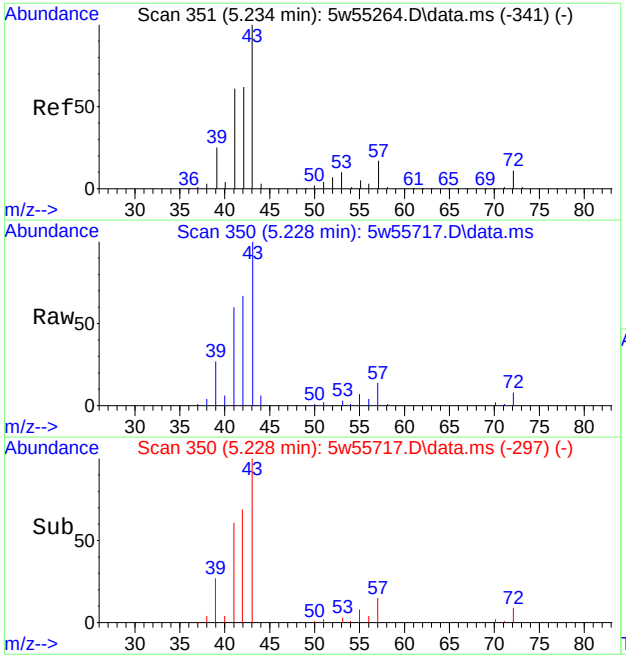




#23
ACETONE
Concen: 7.16 PPBV
RT: 4.837 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 58 Resp: 90583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 346.9 | 312.3 | 372.3 |

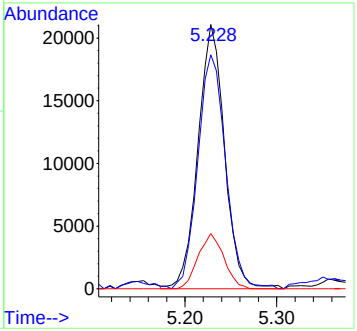


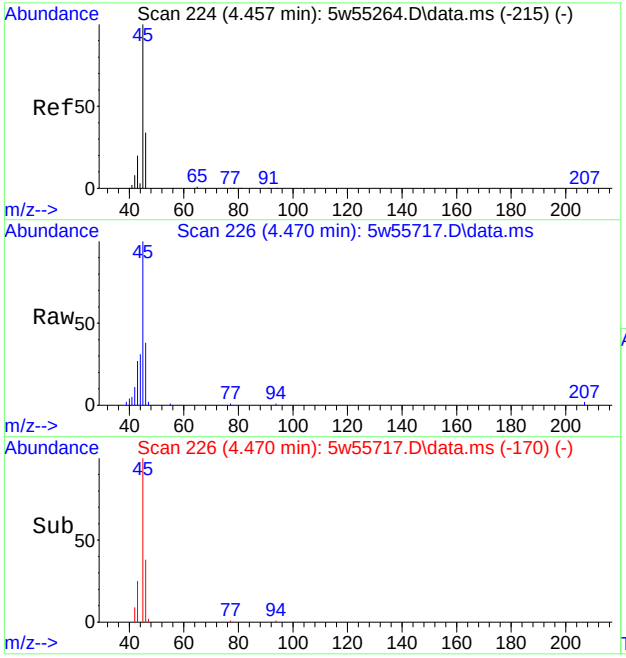



#24
PENTANE
Concen: 2.55 PPBV
RT: 5.228 min Scan# 350
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 42 Resp: 42490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 92.6 | 64.4 | 124.4 |
| 57 | 20.3 | 0.0 | 55.0 |

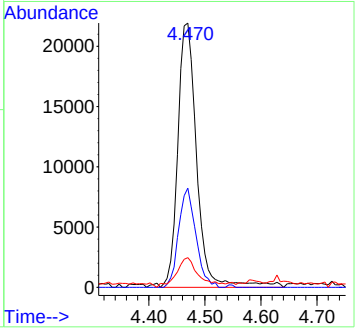


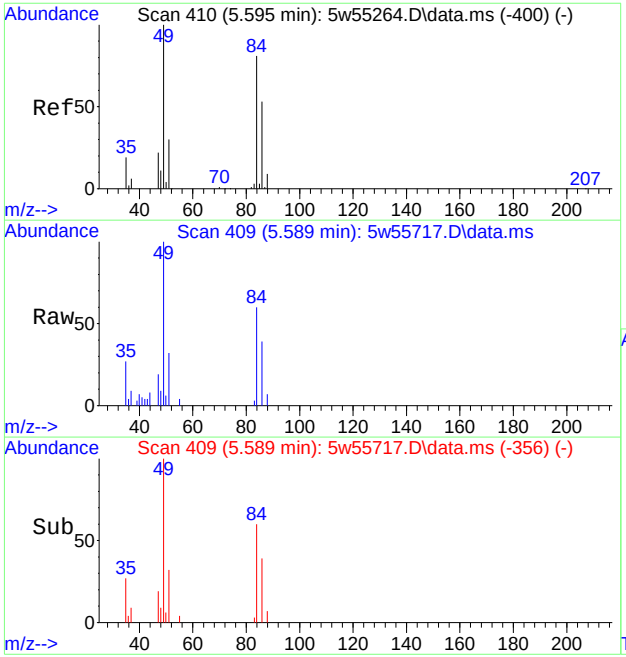




#28
ETHANOL
Concen: 4.20 PPBV
RT: 4.470 min Scan# 226
Delta R.T. 0.012 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 45 Resp: 51672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.1 | 4.5 | 64.5 |
| 42 | 14.5 | 0.0 | 38.6 |

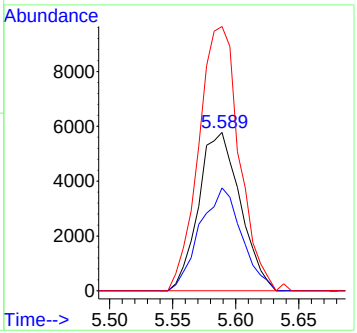


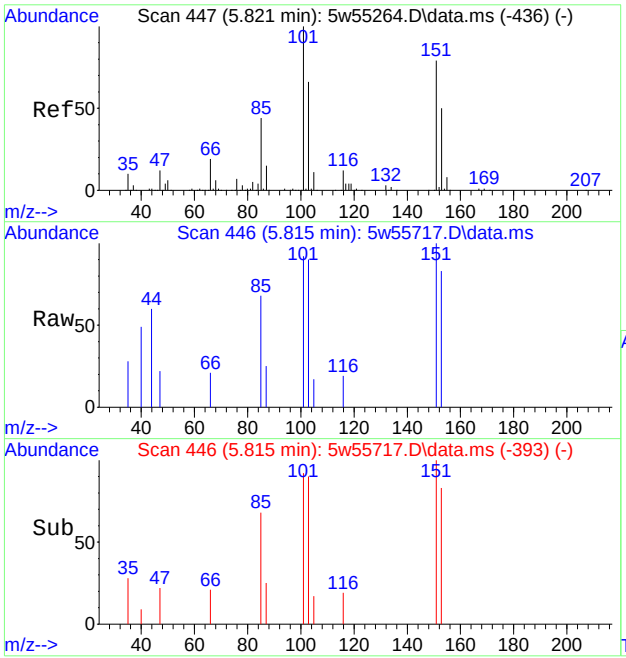



#31
METHYLENE CHLORIDE
Concen: 0.81 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 13242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.5 | 34.0 | 94.0 |
| 49 | 163.4 | 105.8 | 165.8 |

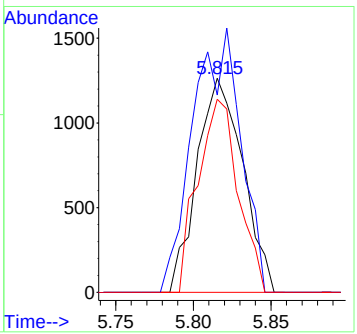


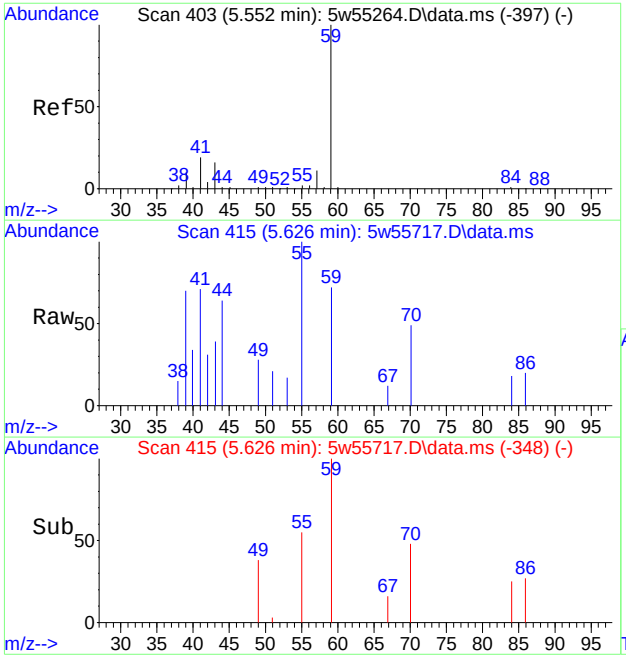




#33
FREON 113
Concen: 0.09 PPBV
RT: 5.815 min Scan# 446
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:151 Resp: 2590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 128.7 | 112.2 | 172.2 |
| 103 | 79.4 | 62.0 | 122.0 |

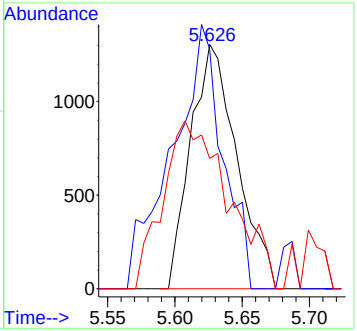


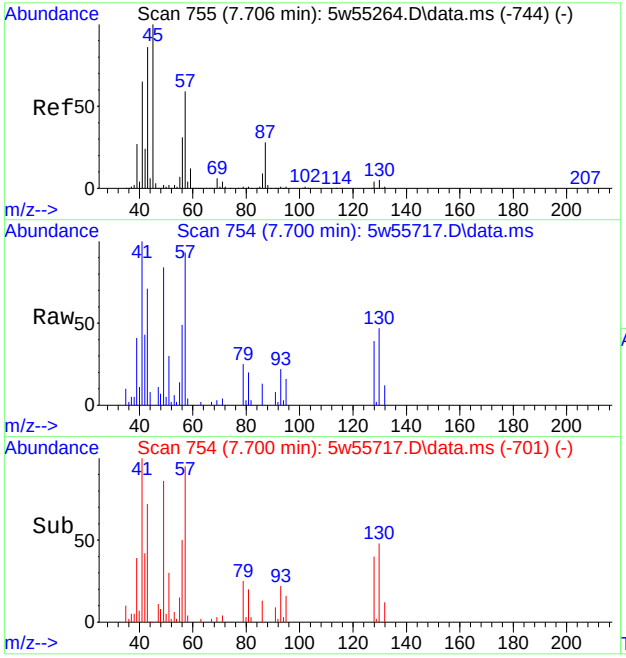



#35
TERTIARY BUTYL ALCOHOL
Concen: 0.10 PPBV
RT: 5.626 min Scan# 415
Delta R.T. 0.080 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 59 Resp: 3127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 118.1 | 0.0 | 53.1# |
| 43 | 98.1 | 0.0 | 47.1# |

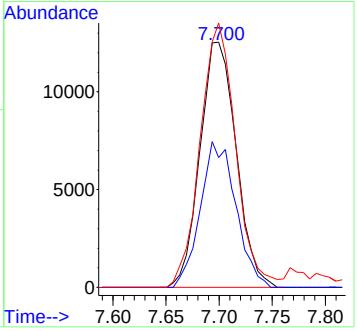


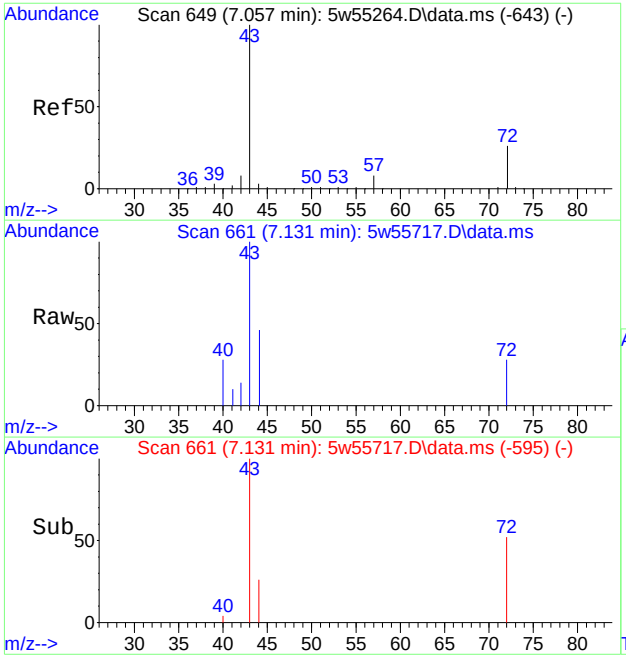




#38
HEXANE
Concen: 1.21 PPBV
RT: 7.700 min Scan# 754
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 29755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 58.1 | 24.2 | 84.2 |
| 41 | 105.3 | 92.1 | 152.1 |

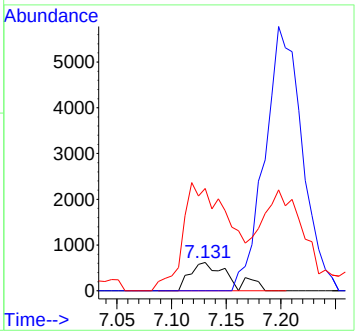


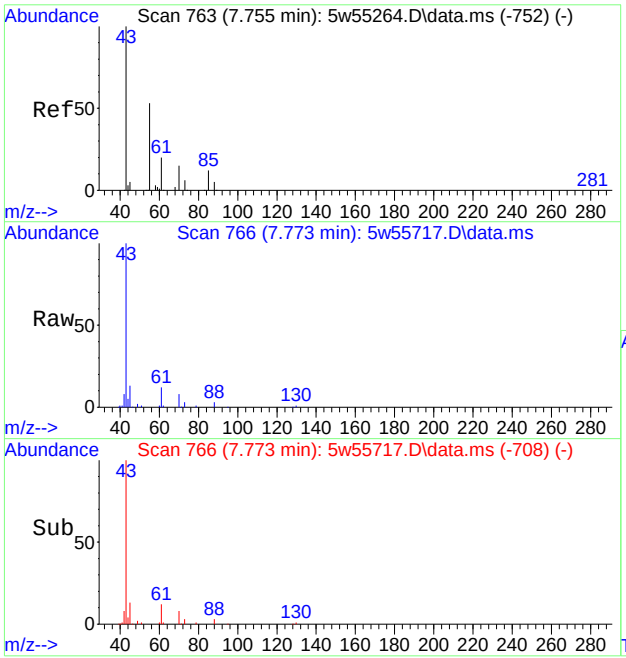



#41
METHYL ETHYL KETONE
Concen: 0.23 PPBV m
RT: 7.131 min Scan# 661
Delta R.T. 0.073 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 72 Resp: 1558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 0.0 | 1.1 | 61.1# |
| 43 | 361.9 | 390.6 | 450.6# |

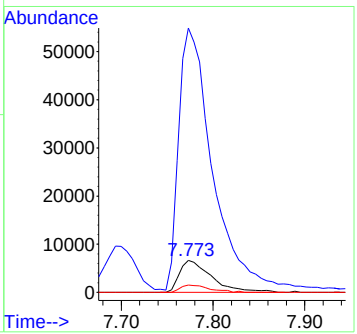


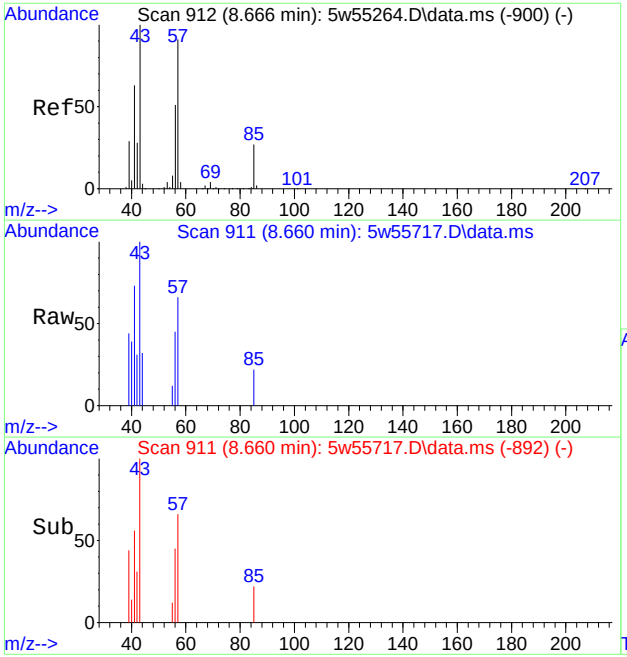




#44
ETHYL ACETATE
Concen: 3.24 PPBV
RT: 7.773 min Scan# 766
Delta R.T. 0.024 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 61 Resp: 16258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 898.0 | 0.0 | 30.0# |
| 88 | 20.8 | 7.3 | 67.3 |

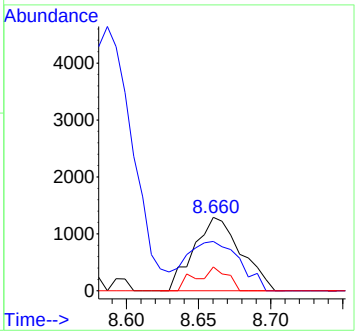


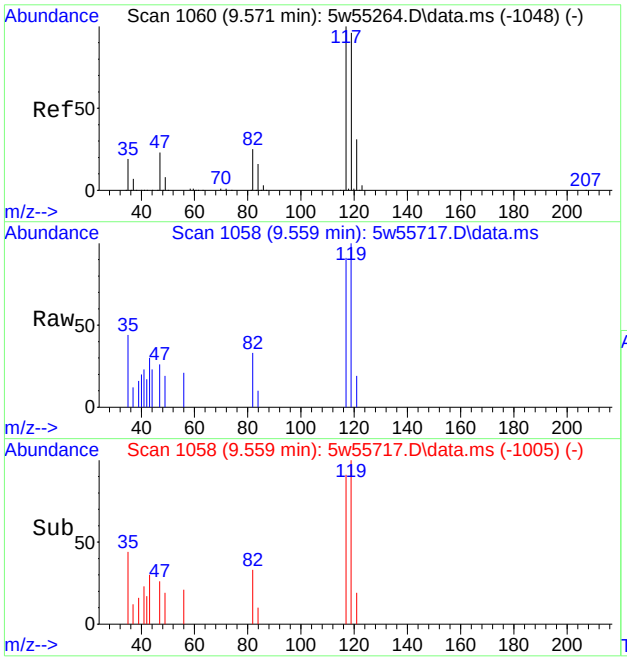



#47
2,4-DIMETHYLPENTANE
Concen: 0.11 PPBV
RT: 8.660 min Scan# 911
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 2940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 76.5 | 26.4 | 86.4 |
| 85 | 21.3 | 0.0 | 56.0 |

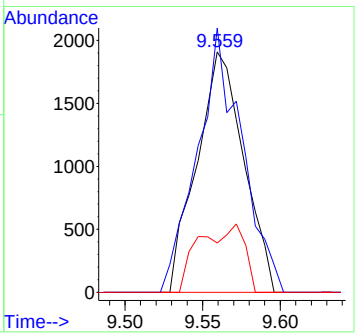


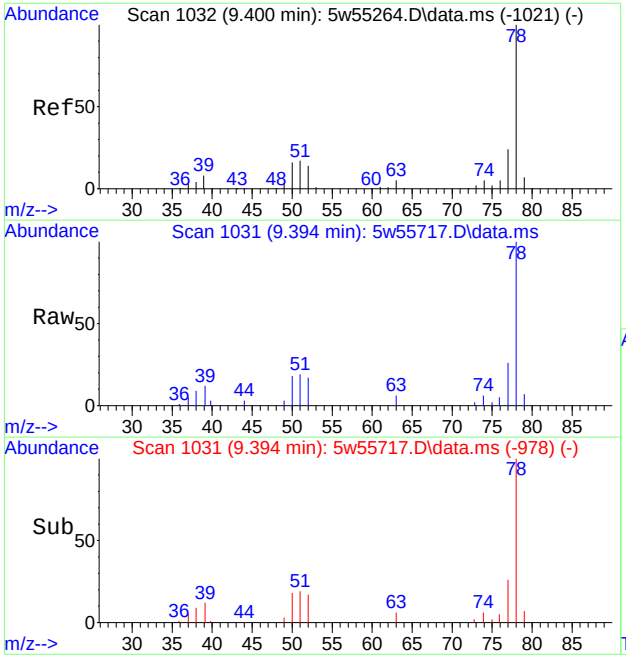




#49
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 9.559 min Scan# 1058
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:117 Resp: 3996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 104.8 | 65.9 | 125.9 |
| 121 | 27.3 | 0.7 | 60.7 |

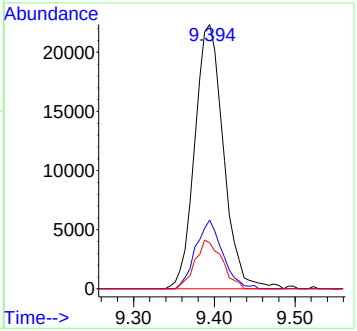


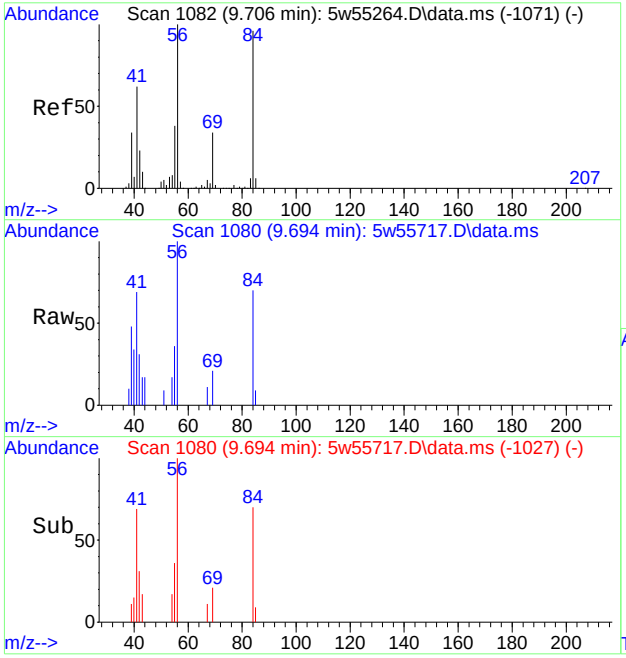



#52
BENZENE
Concen: 0.96 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 78 Resp: 55338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 0.0 | 54.0 |
| 52 | 17.3 | 0.0 | 45.6 |

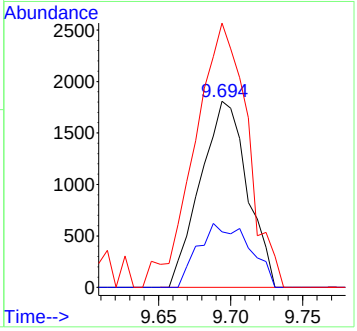


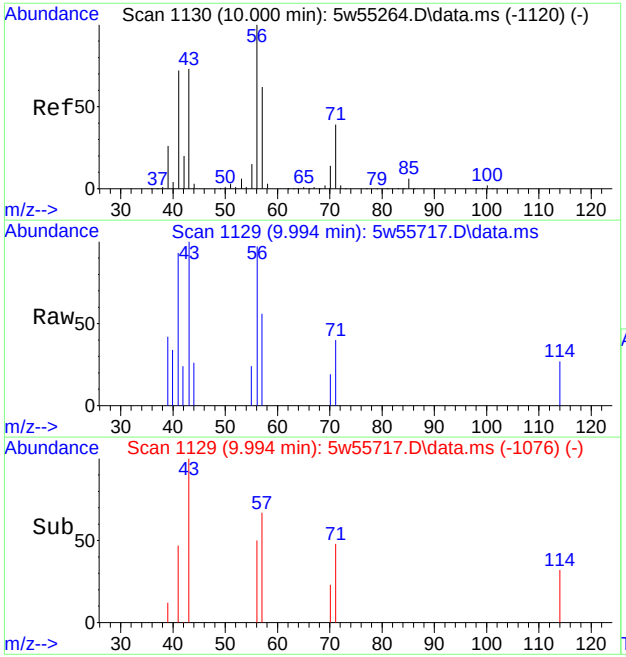




#53
CYCLOHEXANE
Concen: 0.19 PPBV
RT: 9.694 min Scan# 1080
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 84 Resp: 4104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 37.4 | 7.0 | 67.0 |
| 56 | 159.7 | 86.5 | 146.5# |

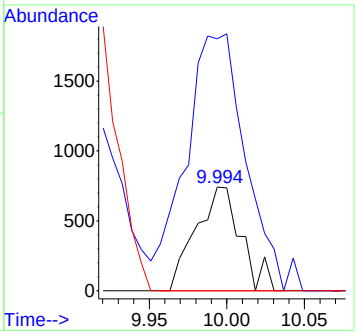


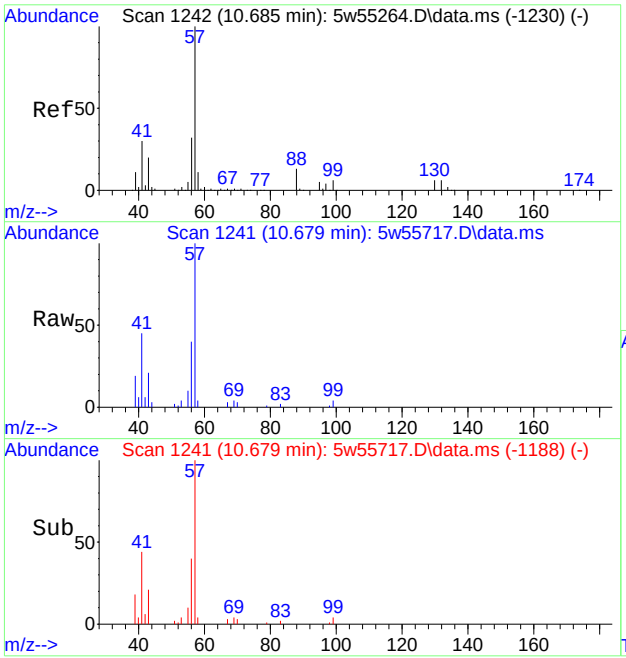



#54
2,3-DIMETHYLPENTANE
Concen: 0.13 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 71 Resp: 1495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 332.4 | 235.4 | 295.4# |
| 85 | 0.0 | 0.0 | 45.3 |

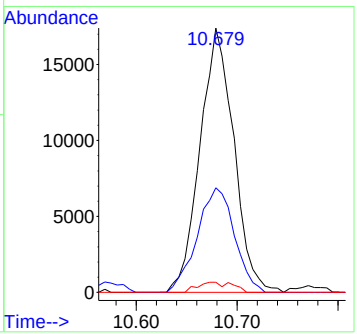


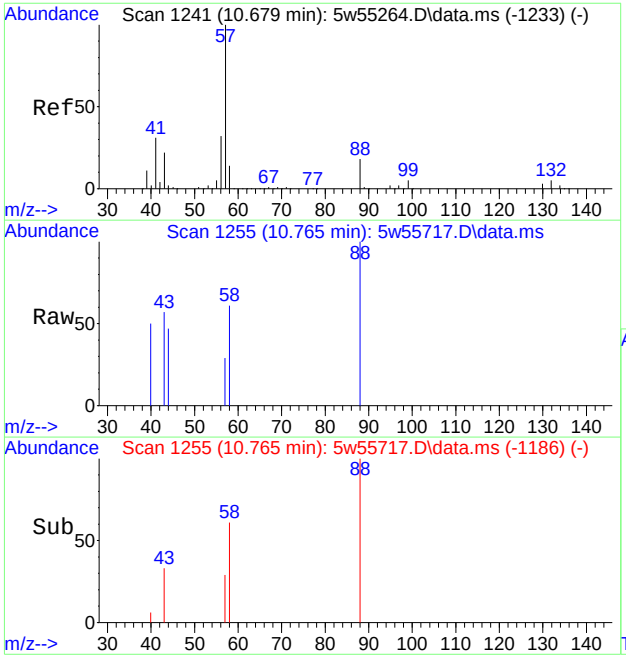




#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.46 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 57 Resp: 40594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 43.5 | 2.2 | 62.2 |
| 99 | 4.0 | 0.0 | 37.6 |

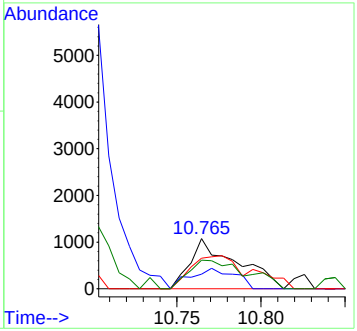


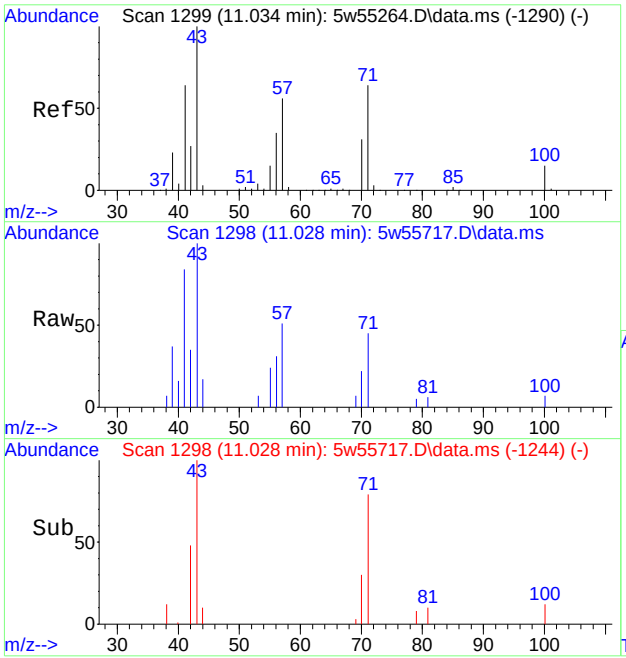



#61
1,4-DIOXANE
Concen: 0.15 PPBV
RT: 10.765 min Scan# 1255
Delta R.T. 0.092 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 88 Resp: 2063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 29.2 | 493.0 | 553.0# |
| 58 | 60.6 | 54.8 | 114.8 |
| 43 | 56.8 | 94.7 | 154.7# |

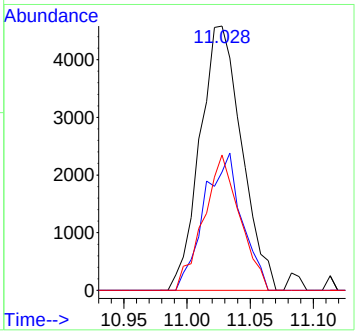


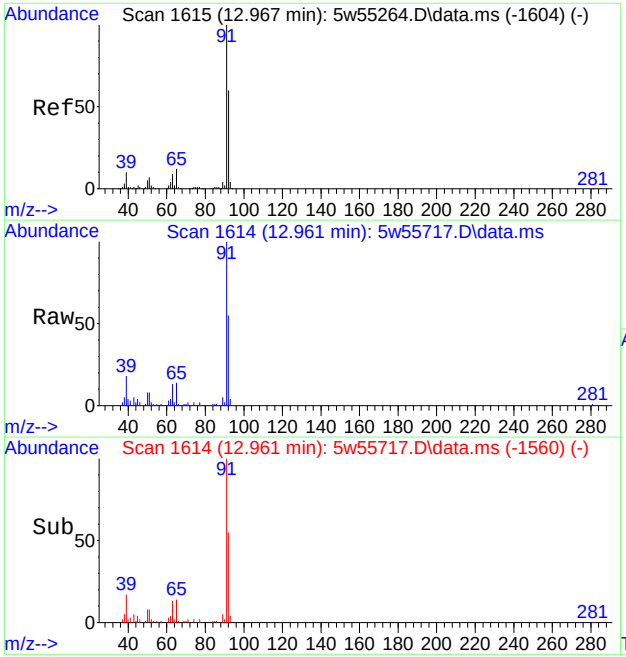




#62
HEPTANE
Concen: 0.34 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 10550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 46.8 | 27.2 | 87.2 |
| 57 | 44.6 | 22.5 | 82.5 |

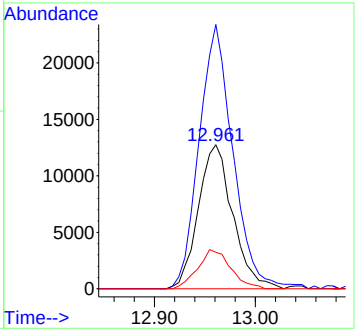


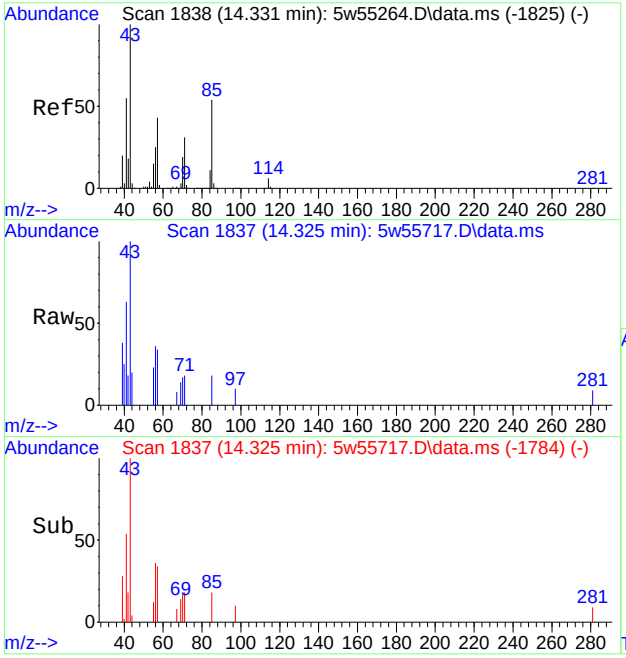



#66
TOLUENE
Concen: 0.75 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 92 Resp: 30255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.0 | 143.4 | 203.4 |
| 65 | 26.2 | 0.0 | 53.8 |

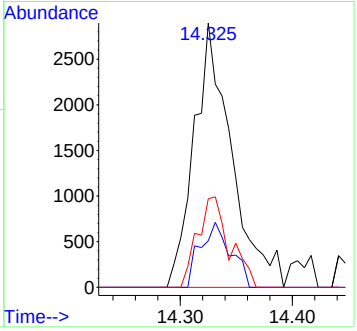


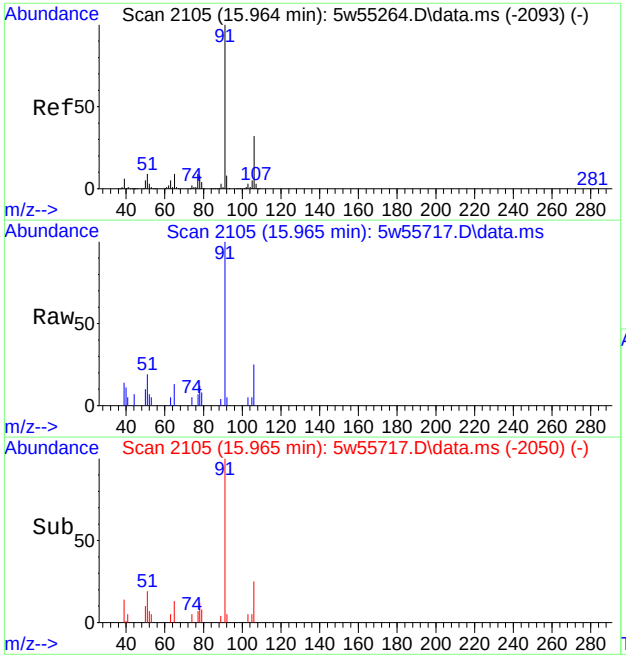




#76
OCTANE
Concen: 0.15 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 43 Resp: 6737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 19.9 | 13.7 | 73.7 |
| 57 | 29.2 | 9.9 | 69.9 |

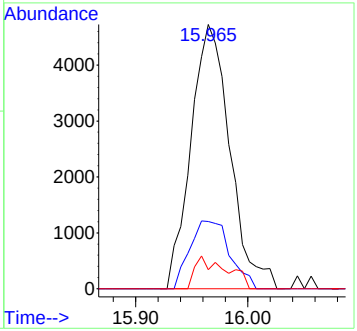


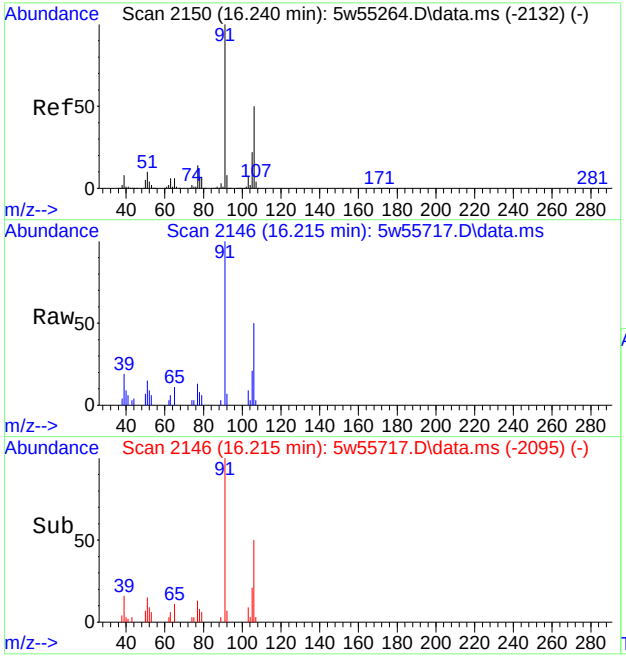



#79
ETHYLBENZENE
Concen: 0.12 PPBV
RT: 15.965 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion: 91 Resp: 11469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.2 | 0.0 | 59.9 |
| 77 | 9.9 | 0.0 | 39.1 |

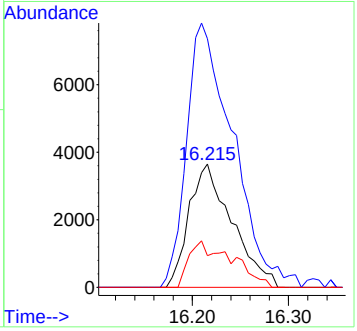


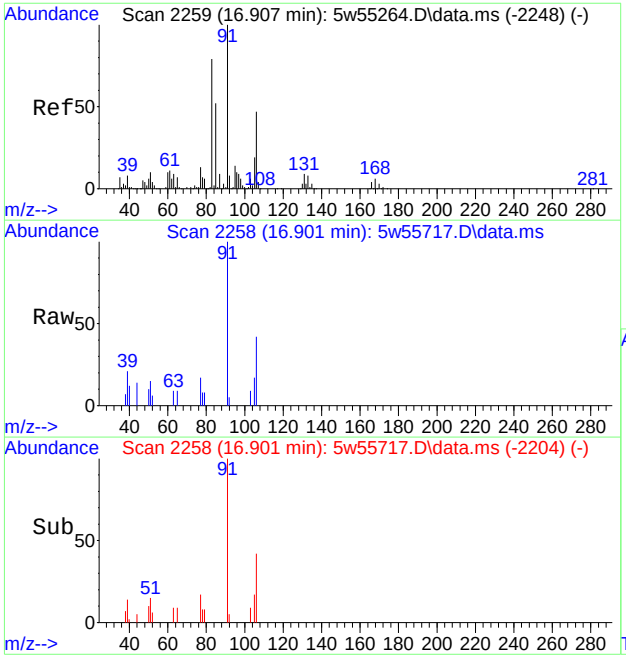




#80
m,p-XYLENE
Concen: 0.32 PPBV
RT: 16.215 min Scan# 2146
Delta R.T. -0.018 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 11351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.5 | 181.2 | 241.2 |
| 77 | 25.8 | 0.1 | 60.1 |

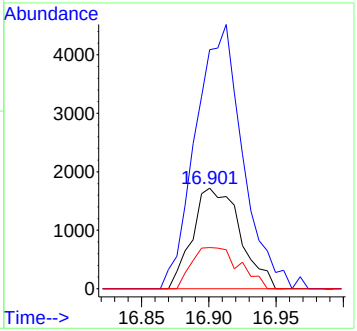


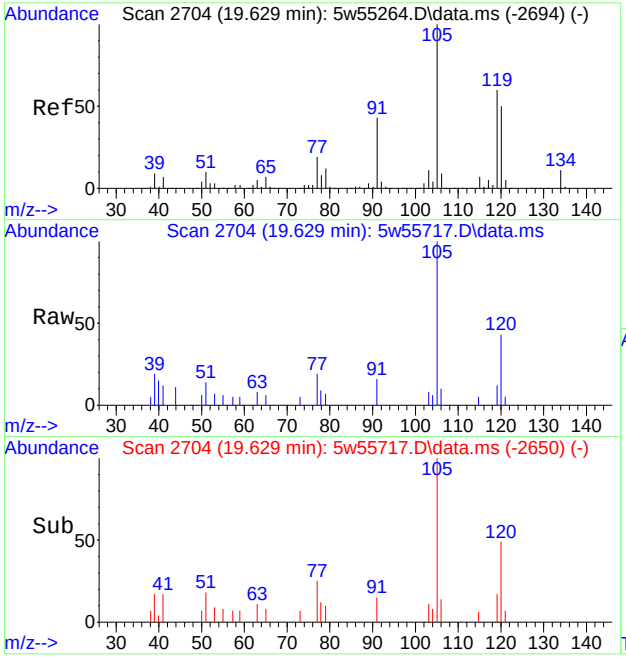



#81
o-XYLENE
Concen: 0.12 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:106 Resp: 4250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 259.6 | 193.4 | 253.4# |
| 77 | 40.9 | 0.0 | 59.8 |

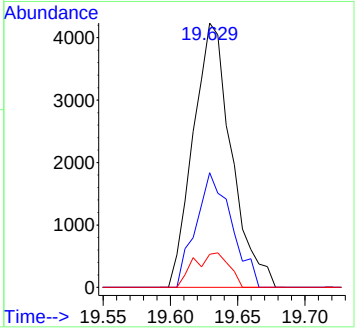



#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.10 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. 0.000 min
Lab File: 5w55717.D
Acq: 18 Dec 2024 9:29 am

Tgt Ion:105 Resp: 8380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 40.5 | 22.6 | 82.6 |
| 119 | 12.0 | 69.7 | 129.7# |



# Manual Integration Approval Summary



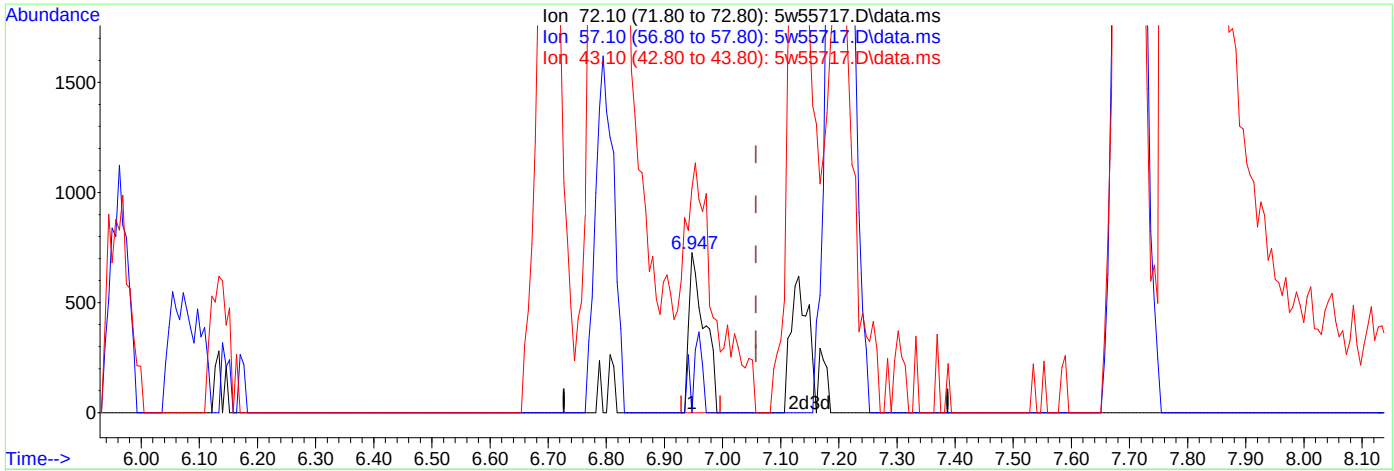
**Sample Number:** JE2488-2DUP
**Lab FileID:** 5W55717.D
**Injection Time:** 12/18/24 09:29
**Method:** TO-15
**Analyst approved:** 12/20/24 20:17 Kanya Veerawat
**Supervisor approved:** 12/20/24 20:19 Kanya Veerawat

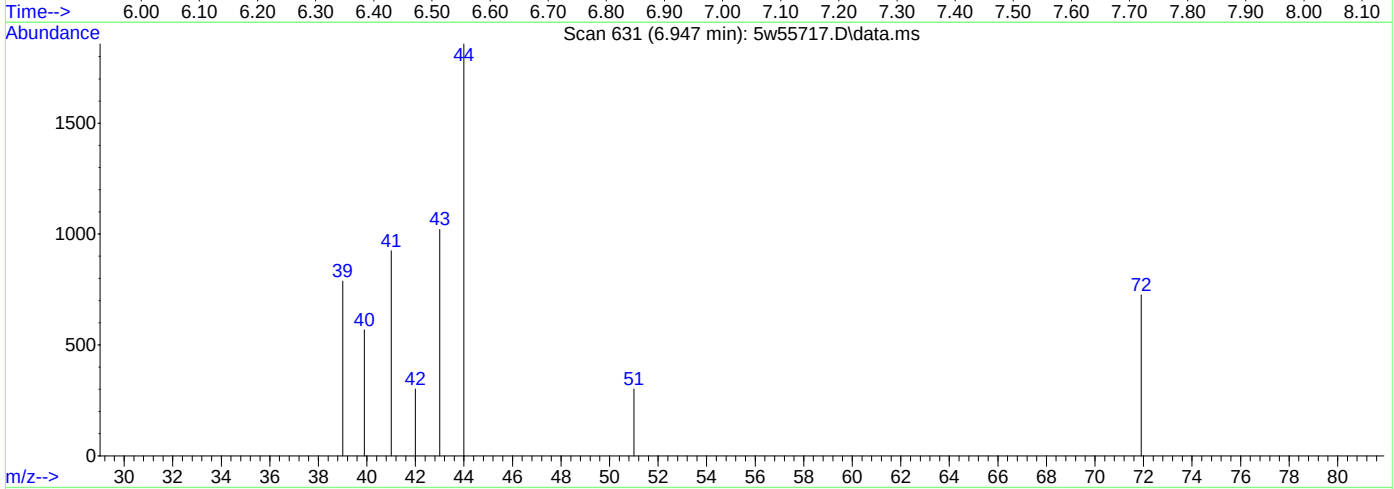
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Methyl ethyl ketone | 78-93-3 | | 7.13 | Missed peak |

# Quantitation Report (Qedit)

Data Path : G:\Dayton\MSAIR\Done\2024\December\18 Dec 2024\V5W2133\
Data File : 5w55717.D
Acq On : 18 Dec 2024 9:29 am
Operator : thomash
Sample : je2488-2dup
Misc : MS88104,V5W2133,500,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:55:42 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration




TIC: 5w55717.D\data.ms

(41) METHYL ETHYL KETONE

6.947min (-0.110) 0.20PPBV

response 1345

| Ion | Exp% | Act% |
|---|---|---|
| 72.10 | 100 | 100 |
| 57.10 | 31.10 | 0.00# |
| 43.10 | 420.60 | 140.63# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

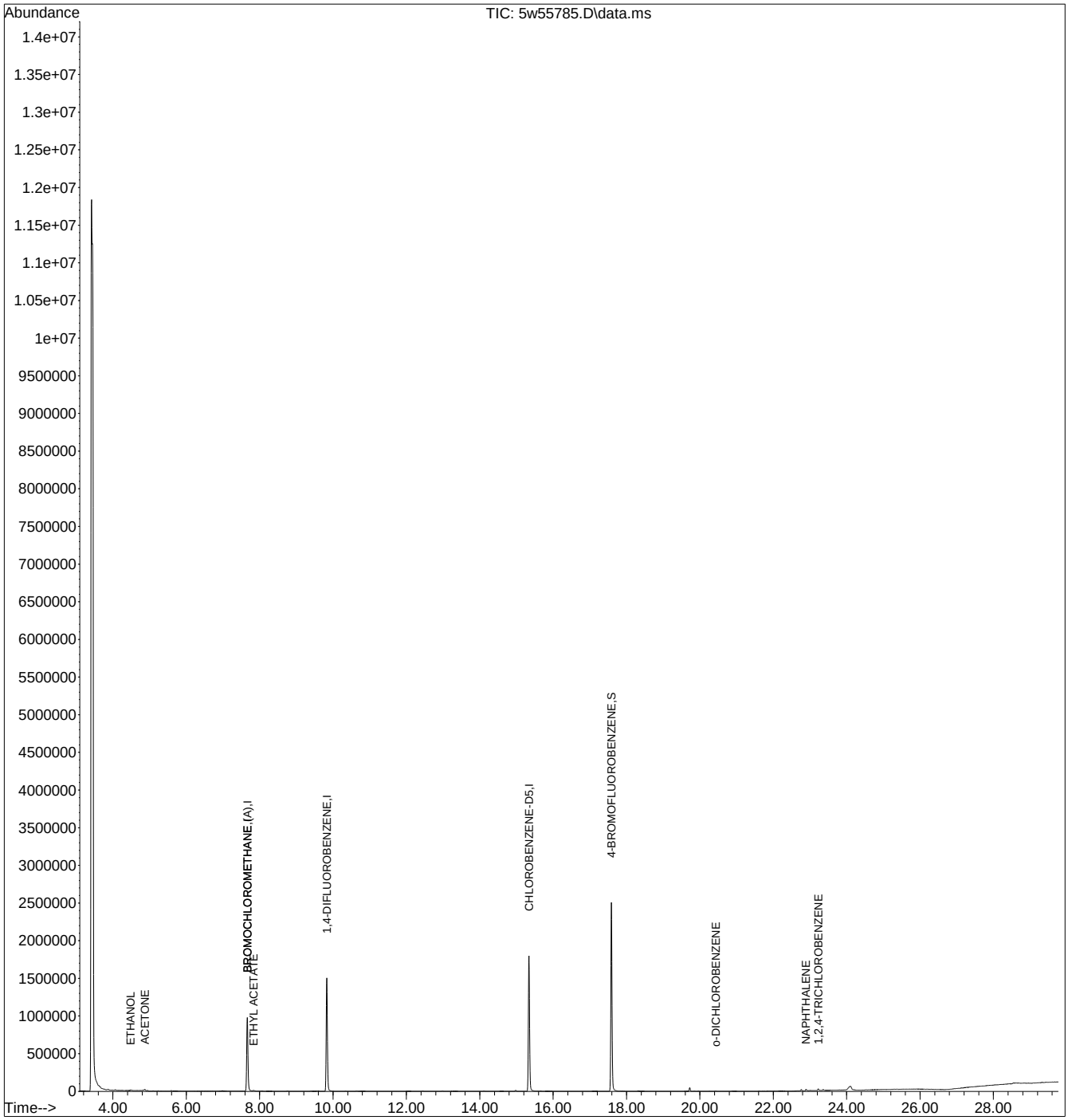
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 276928 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1339103 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 728500 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 276928 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 918485 | 11.27 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.70% | | | |
| Target Compounds | | | | | | Qvalue |
| 23) ACETONE | 4.867 | 58 | 8491 | 0.3802 | PPBV | # 78 |
| 28) ETHANOL | 4.482 | 45 | 11825 | 0.5445 | PPBV | 90 |
| 44) ETHYL ACETATE | 7.834 | 61 | 1758 | 0.1984 | PPBV | # 38 |
| 103) o-DICHLOROBENZENE | 20.430 | 146 | 2425 | 0.0268 | PPBV | 83 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9413 | 0.1167 | PPBV | 92 |
| 108) NAPHTHALENE | 22.890 | 128 | 17643 | 0.0996 | PPBV | 95 |

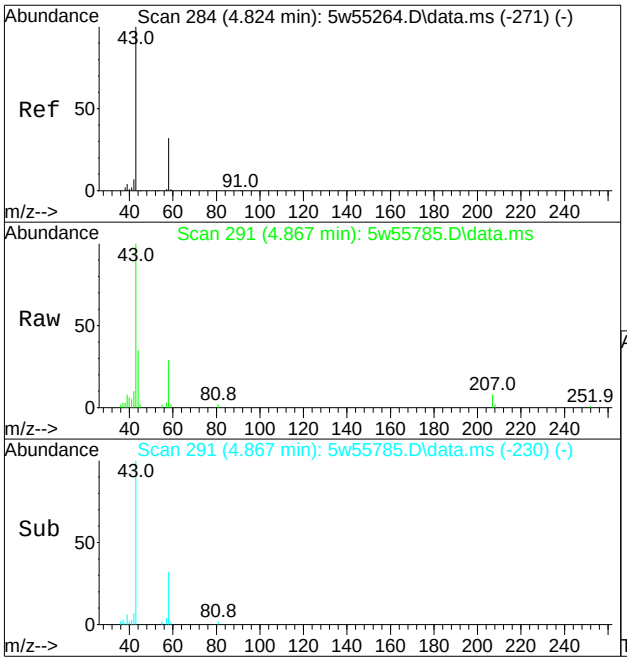
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\23 Dec 2024\v5w2136\
Data File : 5w55785.D
Acq On : 20 Dec 2024 7:03 pm
Operator : thomash
Sample : je2665-1dup Inst : GCMS5W
Misc : MS88187,V5W2136,100,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 23 16:07:39 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

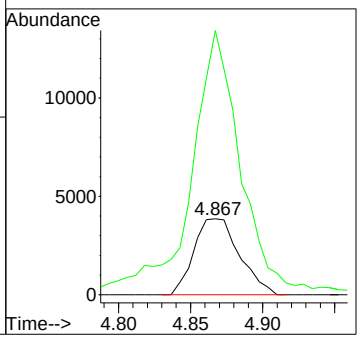


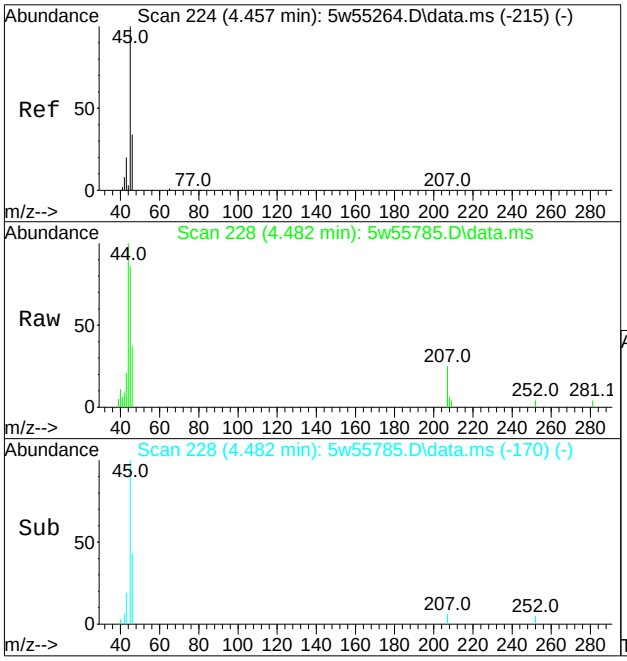



#23
ACETONE
Concen: 0.3802 PPBV
RT: 4.867 min Scan# 291
Delta R.T. 0.043 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 58 Resp: 8491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 389.2 | 312.3 | 372.3# |

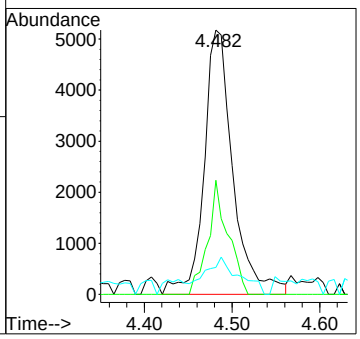


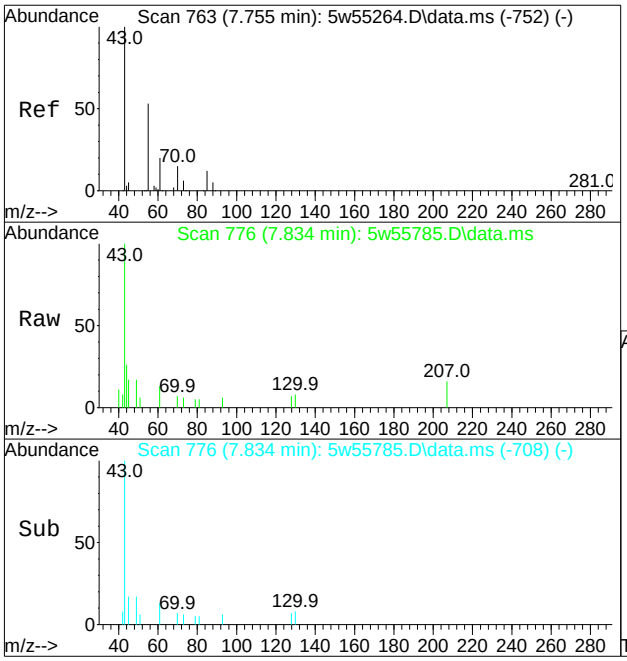




#28
ETHANOL
Concen: 0.5445 PPBV
RT: 4.482 min Scan# 228
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 45 Resp: 11825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 30.2 | 4.5 | 64.5 |
| 42 | 16.3 | 0.0 | 38.6 |

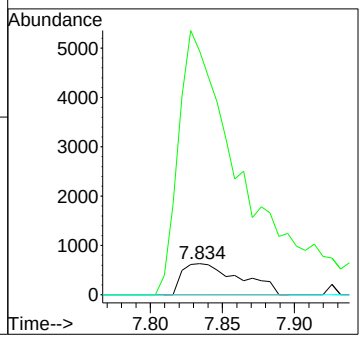


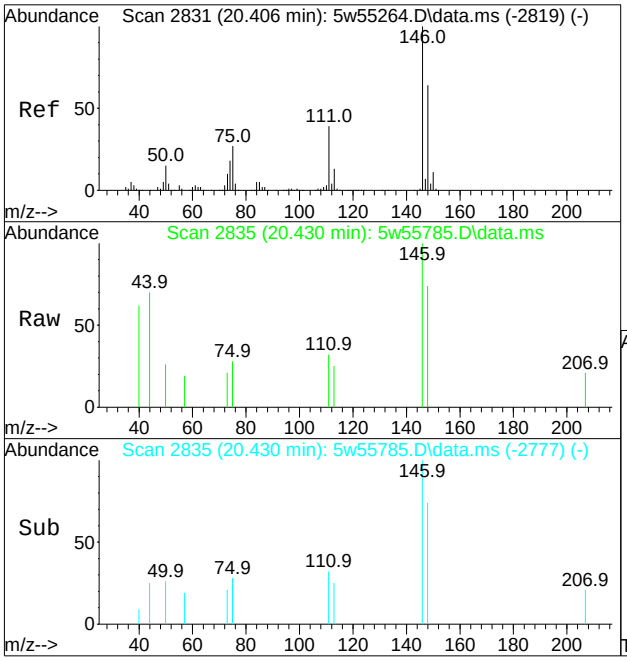



#44
ETHYL ACETATE
Concen: 0.1984 PPBV
RT: 7.834 min Scan# 776
Delta R.T. 0.086 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion: 61 Resp: 1758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 1032.1 | 0.0 | 30.0# |
| 88 | 0.0 | 7.3 | 67.3# |

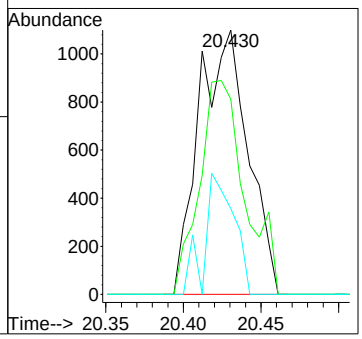


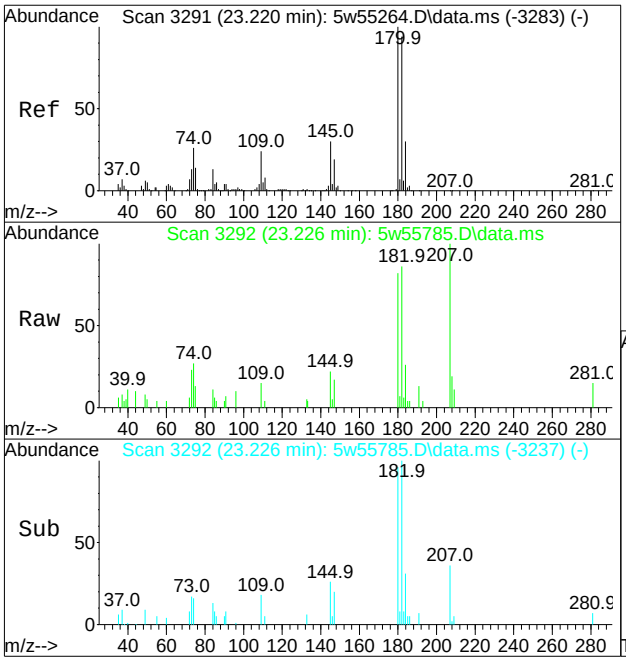




#103
o-DICHLOROBENZENE
Concen: 0.0268 PPBV
RT: 20.430 min Scan# 2835
Delta R.T. 0.024 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:146 Resp: 2425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 74.4 | 33.8 | 93.8 |
| 111 | 27.3 | 11.3 | 71.3 |

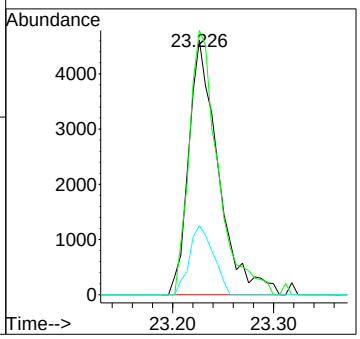


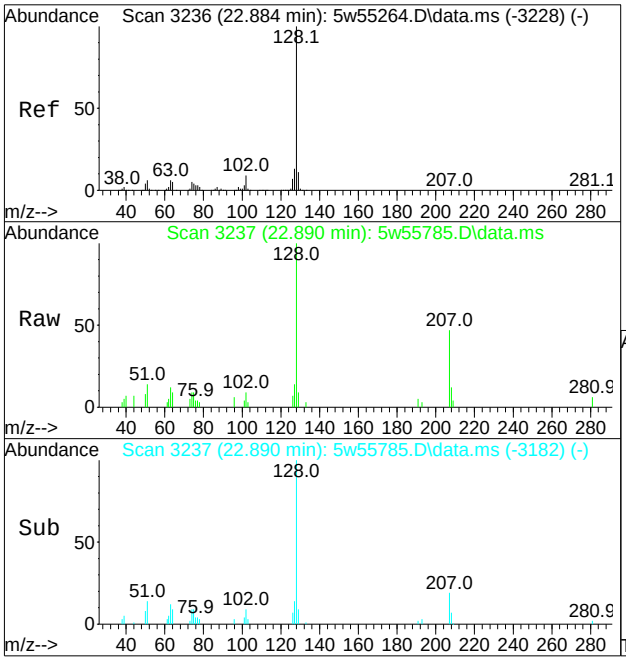



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1167 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:180 Resp: 9413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 101.6 | 66.4 | 126.4 |
| 145 | 22.0 | 0.2 | 60.2 |

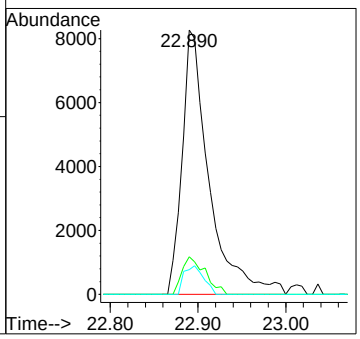



#108
NAPHTHALENE
Concen: 0.0996 PPBV
RT: 22.890 min Scan# 3237
Delta R.T. 0.006 min
Lab File: 5w55785.D
Acq: 20 Dec 2024 7:03 pm

Tgt Ion:128 Resp: 17643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.2 | 0.0 | 43.1 |
| 129 | 7.9 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

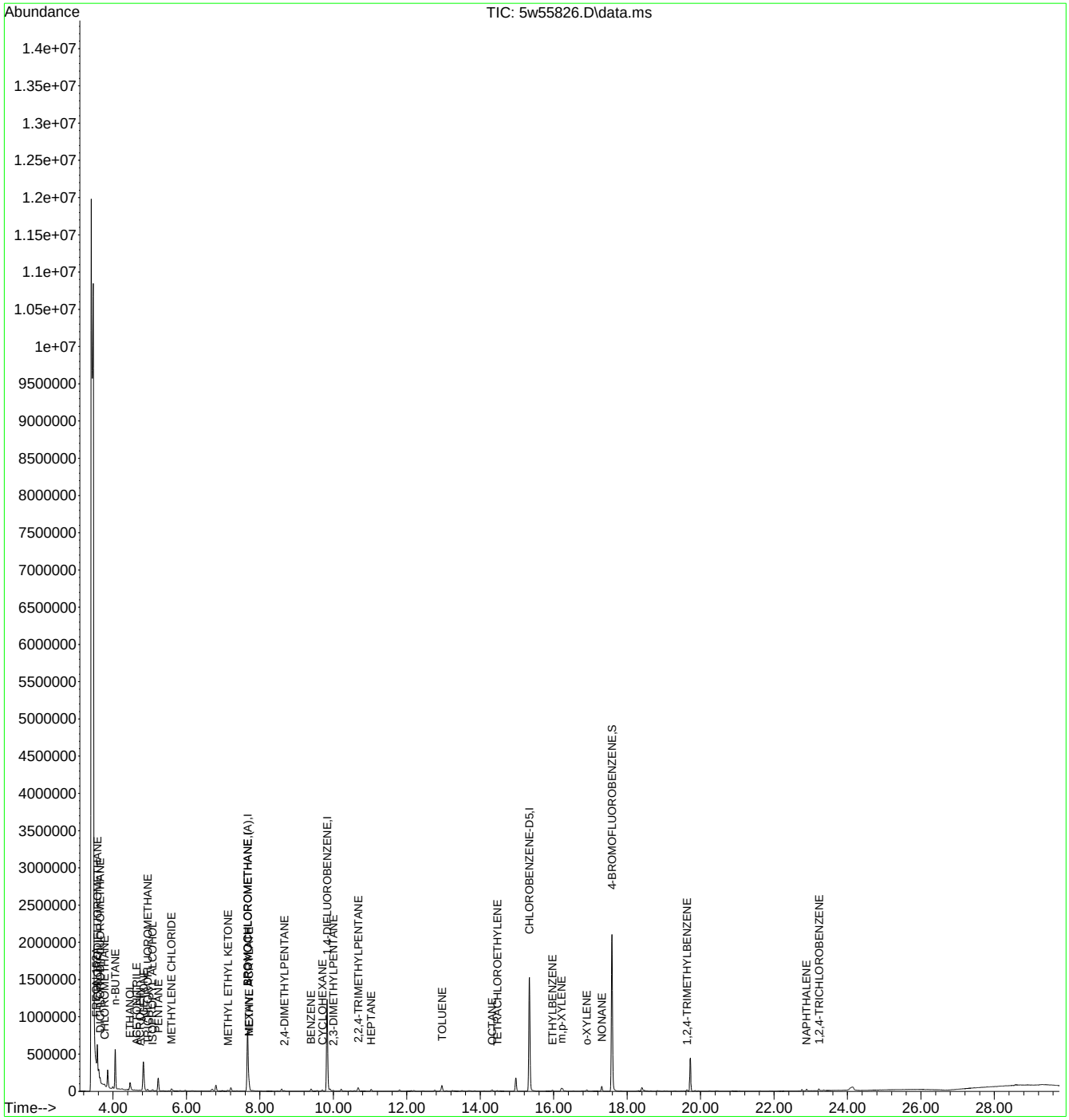
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 217553 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1077292 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.334 | 82 | 621263 | 10.00 | PPBV | -0.01 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 217553 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 760224 | 10.93 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 109.30% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.539 | 65 | 17612 | 1.0942 | PPBV # | 43 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 70935 | 8.4993 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 33315 | 0.4190 | PPBV | 99 |
| 10) CHLOROMETHANE | 3.772 | 52 | 4470 | 0.4360 | PPBV # | 81 |
| 13) n-BUTANE | 4.059 | 43 | 439213 | 9.4501 | PPBV # | 94 |
| 17) ACETONITRILE | 4.635 | 41 | 3723 | 0.1387 | PPBV # | 70 |
| 18) ACROLEIN | 4.732 | 56 | 1588 | 0.1355 | PPBV # | 50 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 17117 | 0.2330 | PPBV | 98 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 24215 | 0.5202 | PPBV | 88 |
| 23) ACETONE | 4.836 | 58 | 63014 | 3.5913 | PPBV # | 12 |
| 24) PENTANE | 5.234 | 42 | 77918 | 3.3694 | PPBV | 97 |
| 28) ETHANOL | 4.463 | 45 | 128568 | 7.5359 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 13335 | 0.5844 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 46133 | 1.3534 | PPBV | 84 |
| 41) METHYL ETHYL KETONE | 7.124 | 72 | 5405 | 0.5728 | PPBV | 88 |
| 45) METHYL ACRYLATE | 7.706 | 55 | 5623 | 0.1357 | PPBV # | 56 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 3784 | 0.1015 | PPBV | 88 |
| 52) BENZENE | 9.394 | 78 | 32183 | 0.4122 | PPBV | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 7334 | 0.2500 | PPBV | 95 |
| 54) 2,3-DIMETHYLPENTANE | 9.994 | 71 | 2176 | 0.1374 | PPBV # | 86 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 42861 | 0.3615 | PPBV | 85 |
| 62) HEPTANE | 11.028 | 43 | 12558 | 0.3032 | PPBV | 91 |
| 66) TOLUENE | 12.961 | 92 | 40482 | 0.7412 | PPBV | 99 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 2473 | 0.0609 | PPBV | 86 |
| 76) OCTANE | 14.325 | 43 | 19766 | 0.3622 | PPBV # | 55 |
| 79) ETHYLBENZENE | 15.964 | 91 | 15737 | 0.1374 | PPBV | 92 |
| 80) m,p-XYLENE | 16.209 | 106 | 24925 | 0.5735 | PPBV | 98 |
| 81) o-XYLENE | 16.901 | 106 | 6839 | 0.1621 | PPBV | 88 |
| 83) NONANE | 17.310 | 43 | 31896 | 0.5601 | PPBV | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 11668 | 0.1080 | PPBV # | 40 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 9822 | 0.1428 | PPBV | 95 |
| 108) NAPHTHALENE | 22.884 | 128 | 19361 | 0.1282 | PPBV | 97 |

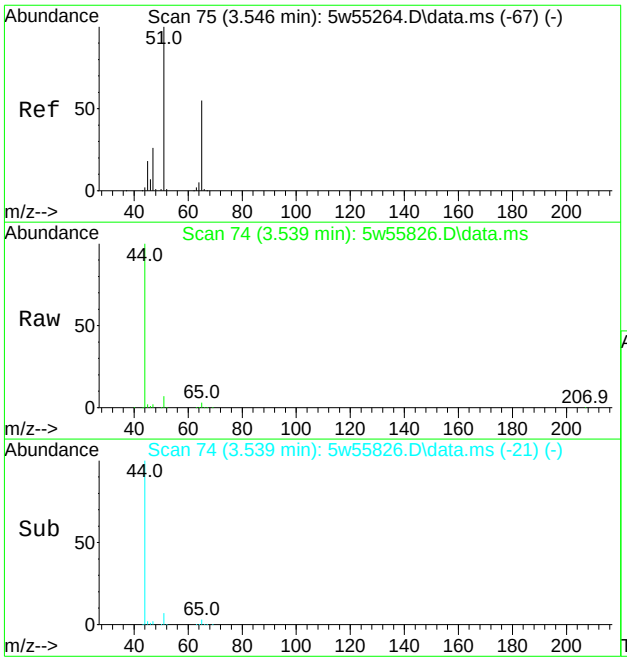
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\122424\v5w2138\
Data File : 5w55826.D
Acq On : 23 Dec 2024 4:11 pm
Operator : thomash
Sample : je2315-1dup Inst : GCMS5W
Misc : MS88014,V5W2138,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 16:52:01 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

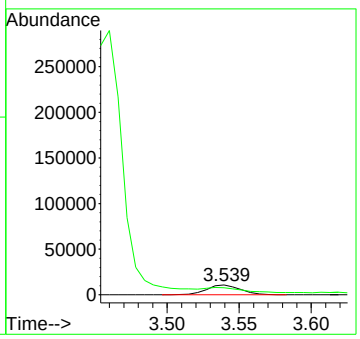


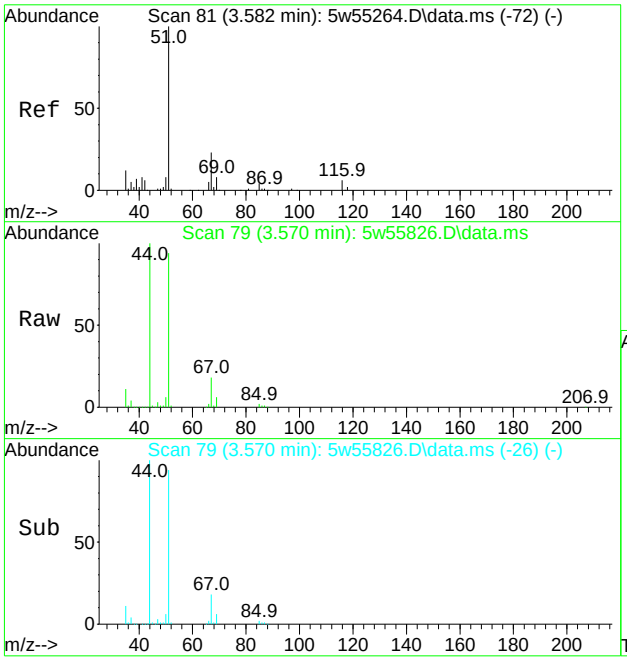



#3
FREON 152A
Concen: 1.0942 PPBV
RT: 3.539 min Scan# 74
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 65 Resp: 17612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 0.0 | 1.8 | 61.8# |

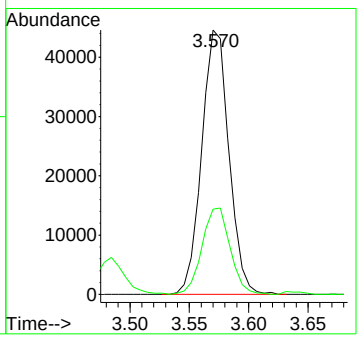


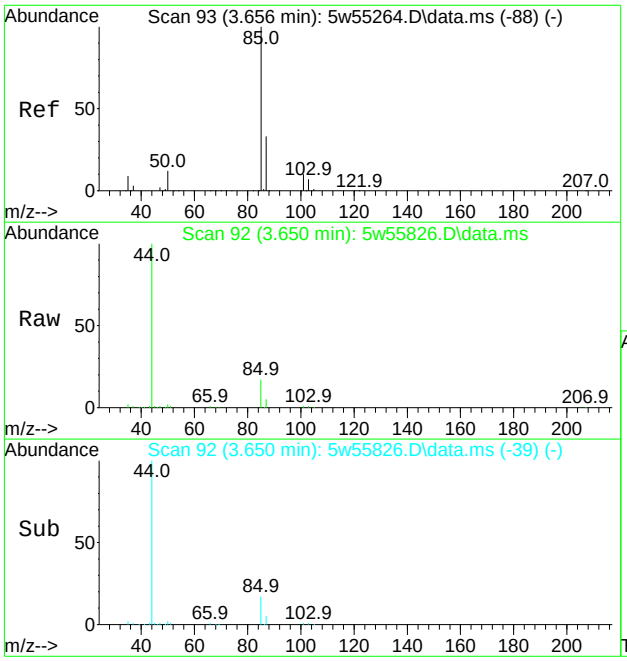




#4
CHLORODIFLUOROMETHANE
Concen: 8.4993 PPBV
RT: 3.570 min Scan# 79
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 67 Resp: 70935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 32.3 | 2.9 | 62.9 |

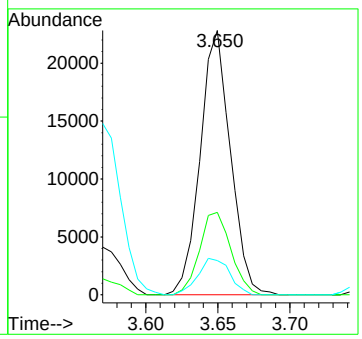


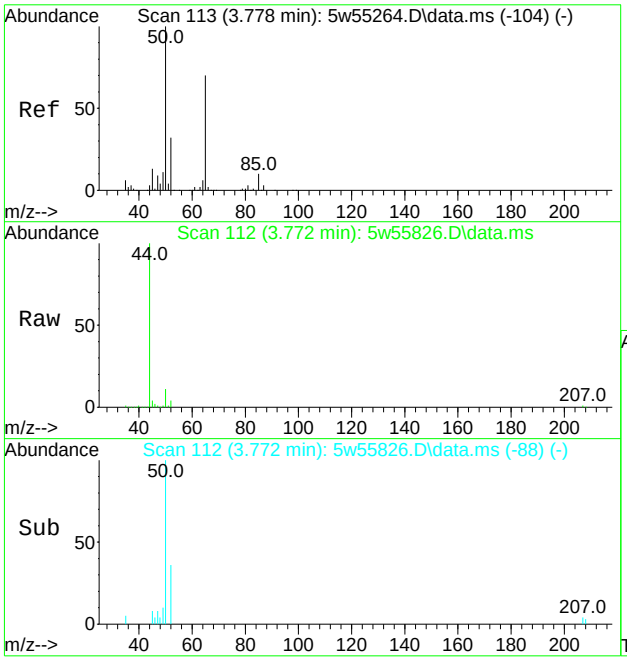



#6
DICHLORODIFLUOROMETHANE
Concen: 0.4190 PPBV
RT: 3.650 min Scan# 92
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 85 Resp: 33315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 2.6 | 62.6 |
| 50 | 14.5 | 0.0 | 43.0 |

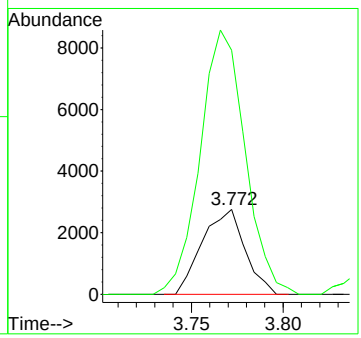


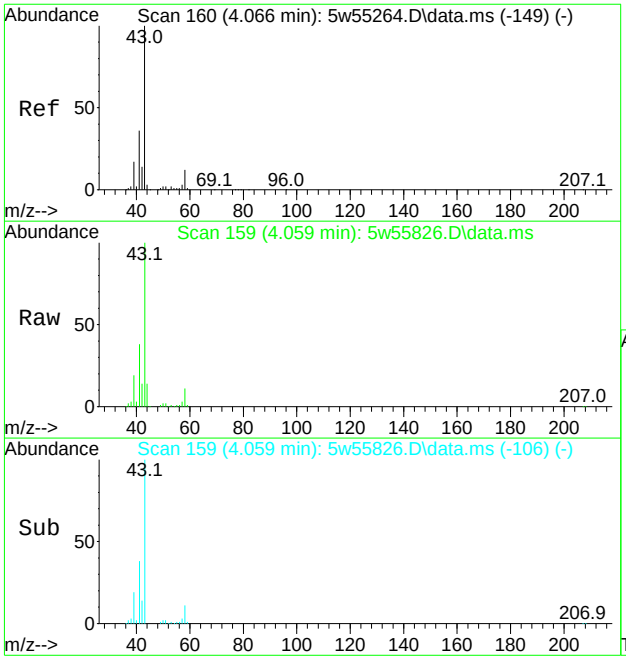




#10
CHLOROMETHANE
Concen: 0.4360 PPBV
RT: 3.772 min Scan# 112
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 52 Resp: 4470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 278.9 | 287.9 | 347.9# |

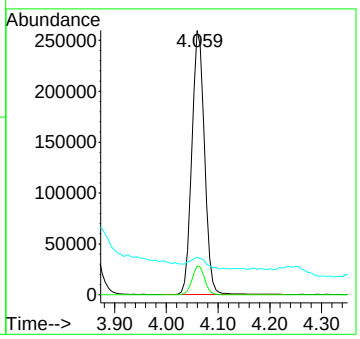


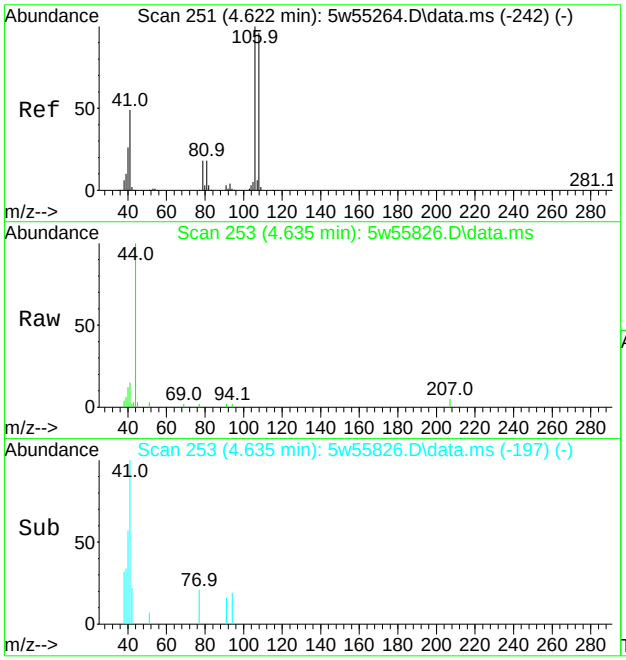



#13
n-BUTANE
Concen: 9.4501 PPBV
RT: 4.059 min Scan# 159
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 439213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 10.8 | 0.0 | 41.6 |
| 44 | 0.0 | 0.0 | 34.7 |

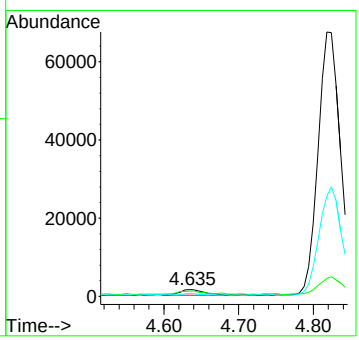


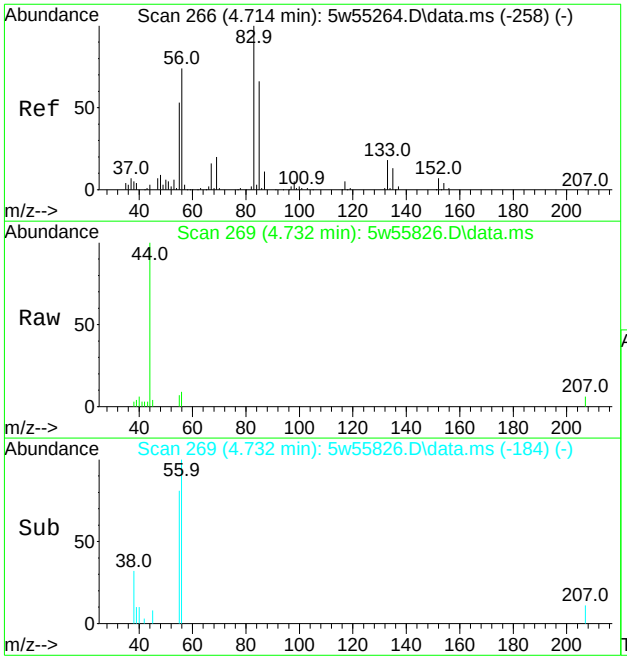




#17
ACETONITRILE
Concen: 0.1387 PPBV
RT: 4.635 min Scan# 253
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 41 Resp: 3723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 80.2 | 38.4 | 71.4# |
| 39 | 27.1 | 13.7 | 25.5# |

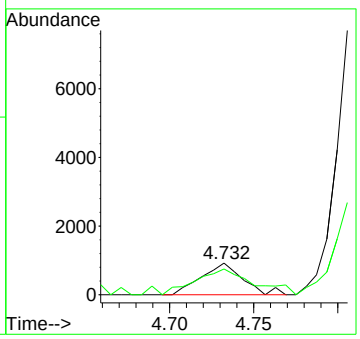


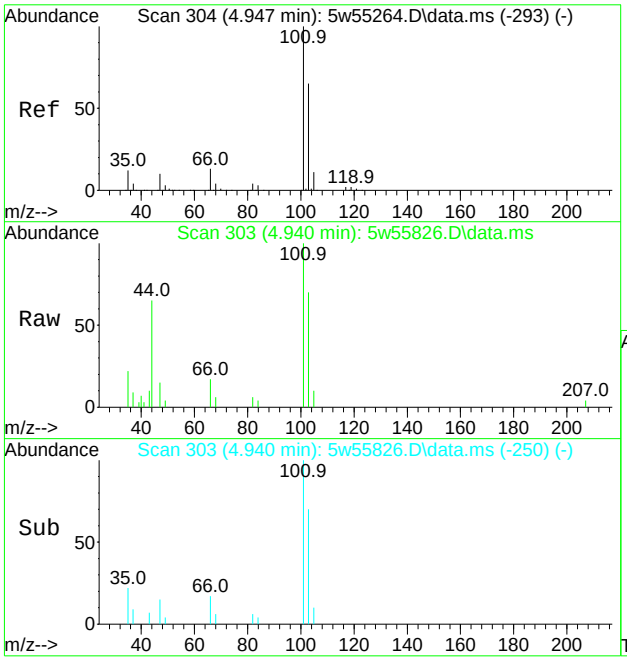



#18
ACROLEIN
Concen: 0.1355 PPBV
RT: 4.732 min Scan# 269
Delta R.T. 0.018 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 56 Resp: 1588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 112.4 | 49.8 | 92.6# |

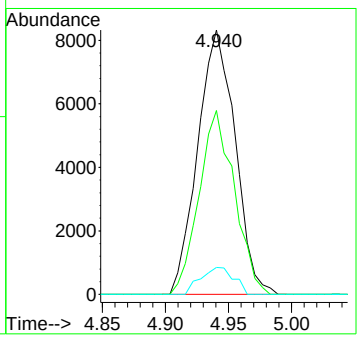


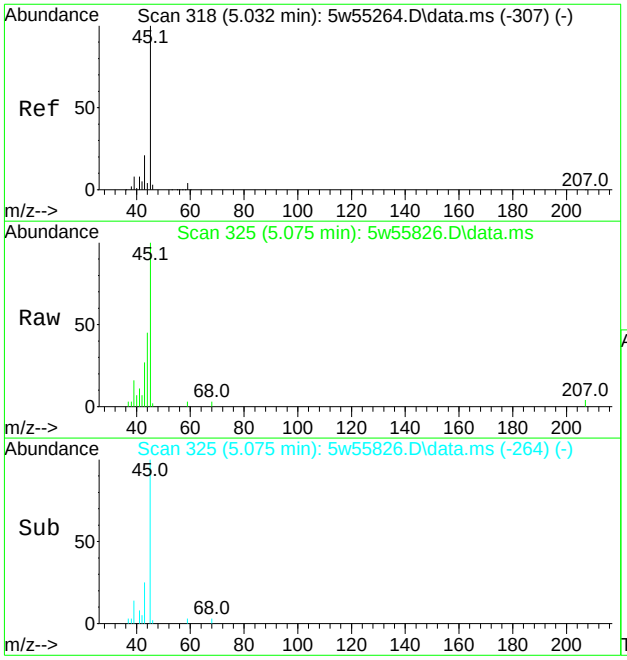




#21
TRICHLOROFLUOROMETHANE
Concen: 0.2330 PPBV
RT: 4.940 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:101 Resp: 17117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.9 | 34.7 | 94.7 |
| 105 | 9.1 | 0.0 | 40.5 |

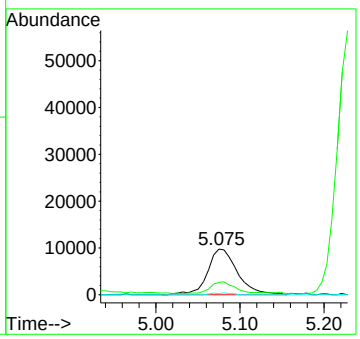


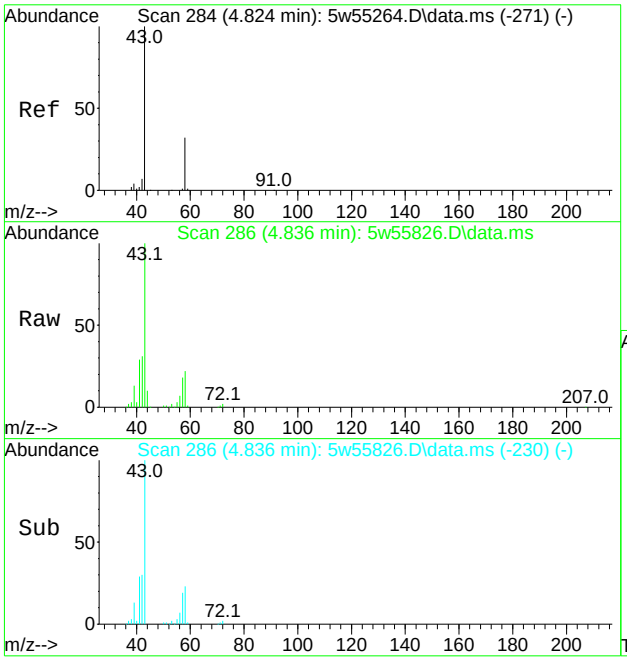



#22
ISOPROPYL ALCOHOL
Concen: 0.5202 PPBV
RT: 5.075 min Scan# 325
Delta R.T. 0.043 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 24215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 27.1 | 0.0 | 50.8 |
| 59 | 2.7 | 0.0 | 33.8 |

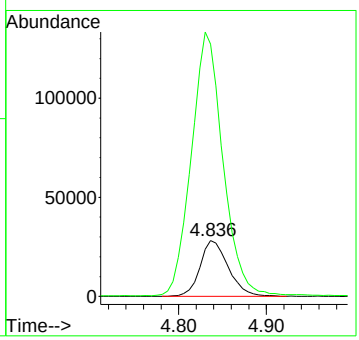


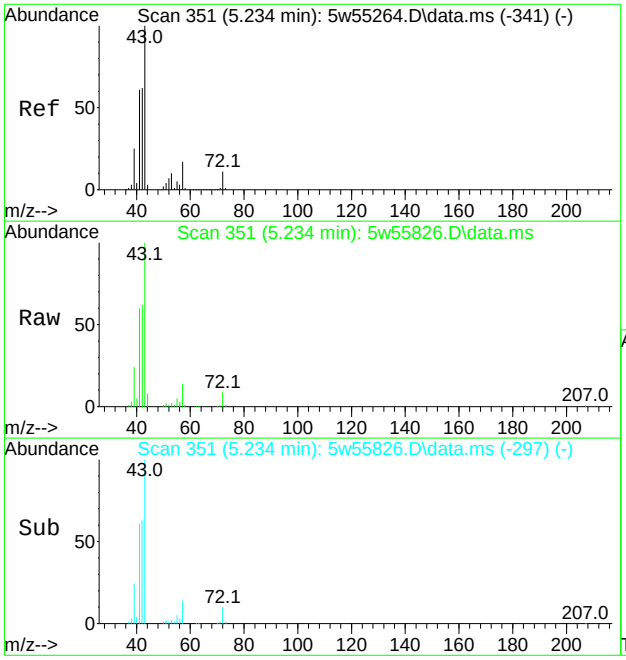




#23
ACETONE
Concen: 3.5913 PPBV
RT: 4.836 min Scan# 286
Delta R.T. 0.012 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 58 Resp: 63014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 530.6 | 312.3 | 372.3# |

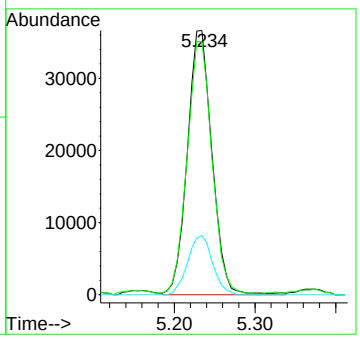


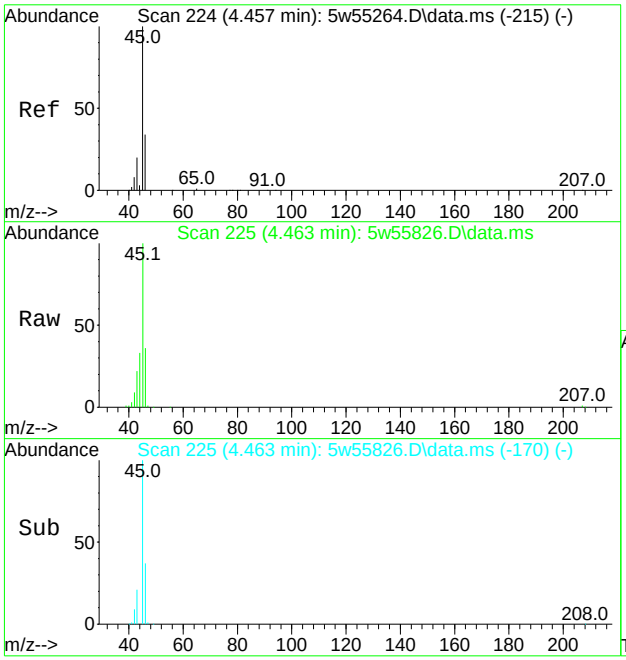



#24
PENTANE
Concen: 3.3694 PPBV
RT: 5.234 min Scan# 351
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 42 Resp: 77918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 96.8 | 64.4 | 124.4 |
| 57 | 22.4 | 0.0 | 55.0 |

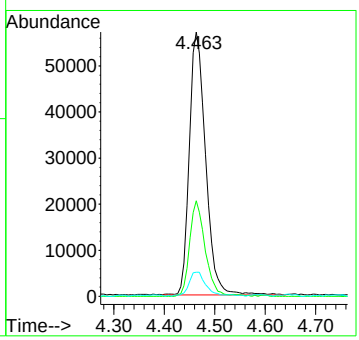


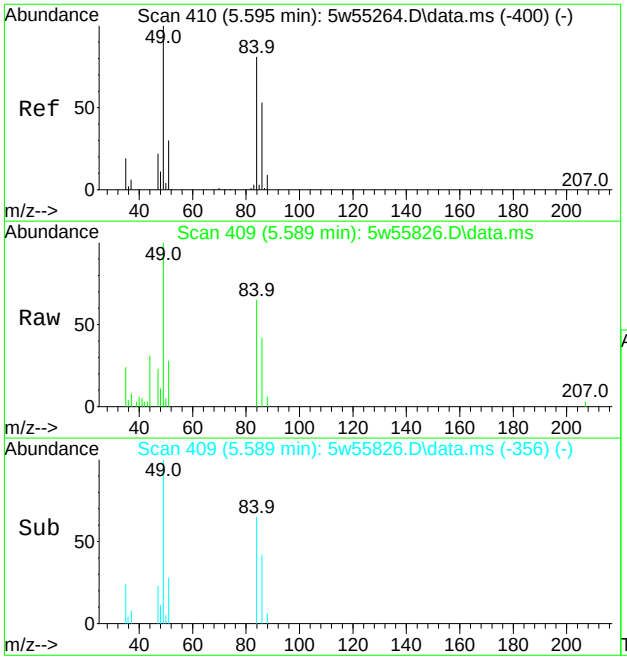




#28
ETHANOL
Concen: 7.5359 PPBV
RT: 4.463 min Scan# 225
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 45 Resp: 128568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 34.7 | 4.5 | 64.5 |
| 42 | 10.1 | 0.0 | 38.6 |

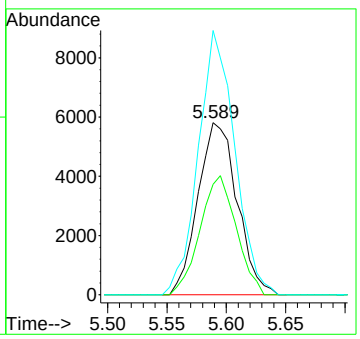


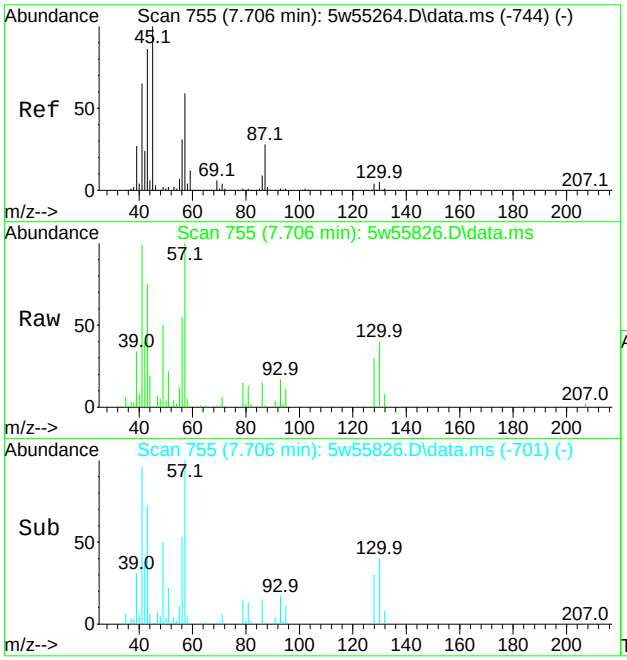



#31
METHYLENE CHLORIDE
Concen: 0.5844 PPBV
RT: 5.589 min Scan# 409
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 13335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 63.7 | 34.0 | 94.0 |
| 49 | 143.0 | 105.8 | 165.8 |

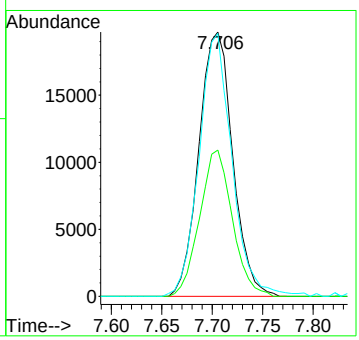


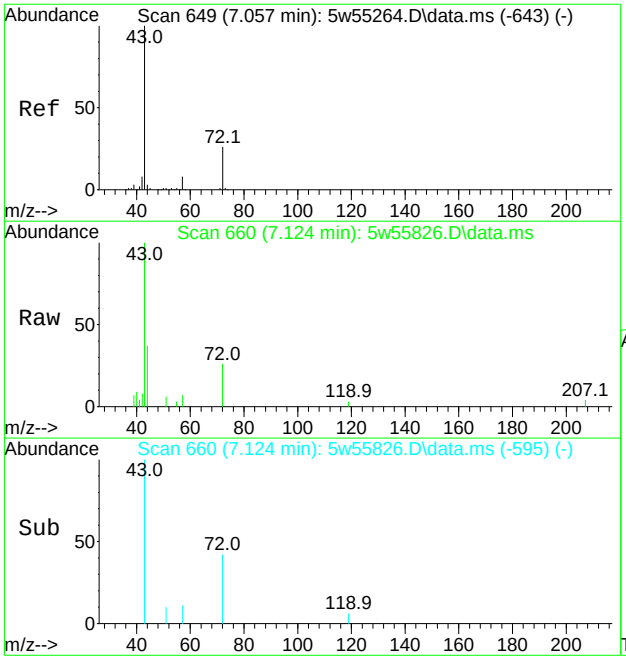




#38
HEXANE
Concen: 1.3534 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 46133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 53.4 | 24.2 | 84.2 |
| 41 | 97.1 | 92.1 | 152.1 |

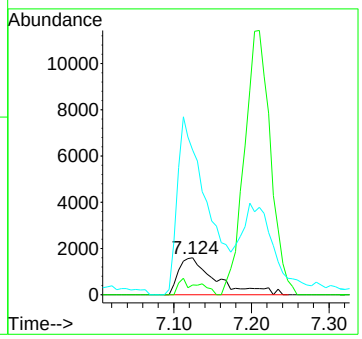


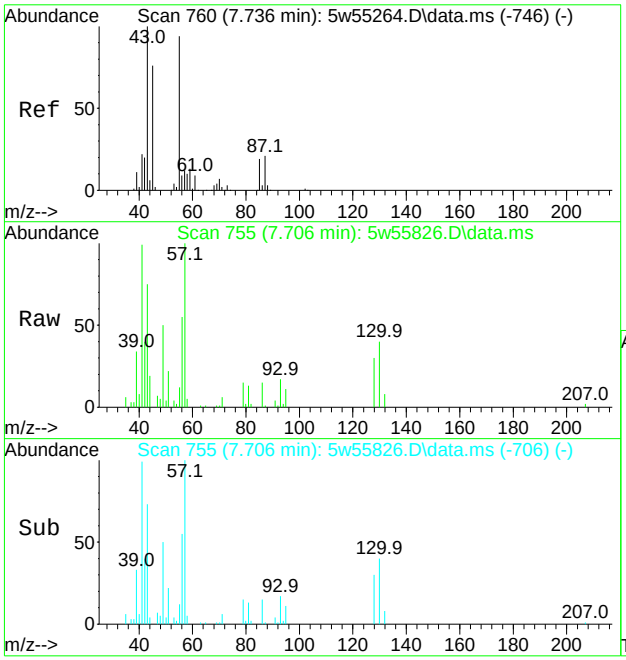



#41
METHYL ETHYL KETONE
Concen: 0.5728 PPBV
RT: 7.124 min Scan# 660
Delta R.T. 0.067 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 72 Resp: 5405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 26.9 | 1.1 | 61.1 |
| 43 | 390.7 | 390.6 | 450.6 |

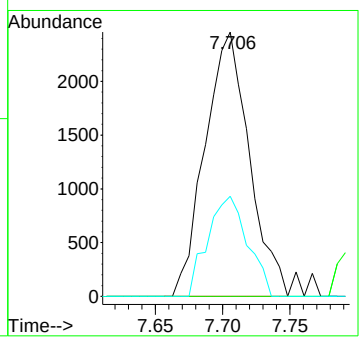


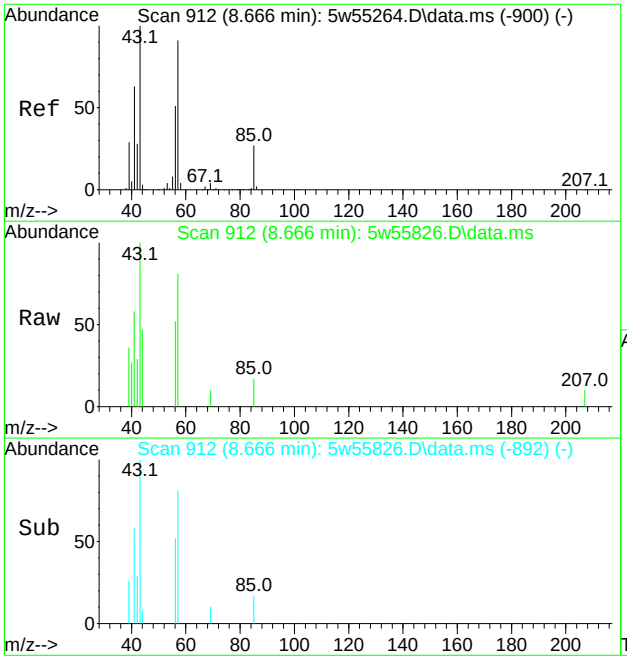




#45
METHYL ACRYLATE
Concen: 0.1357 PPBV
RT: 7.706 min Scan# 755
Delta R.T. -0.031 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 55 Resp: 5623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 11.4 | 21.2# |
| 58 | 34.2 | 9.7 | 17.9# |

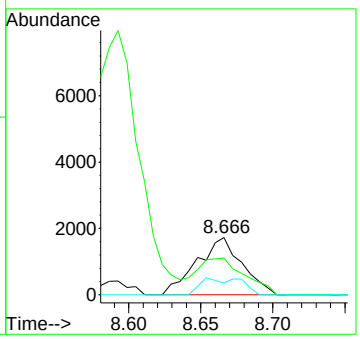


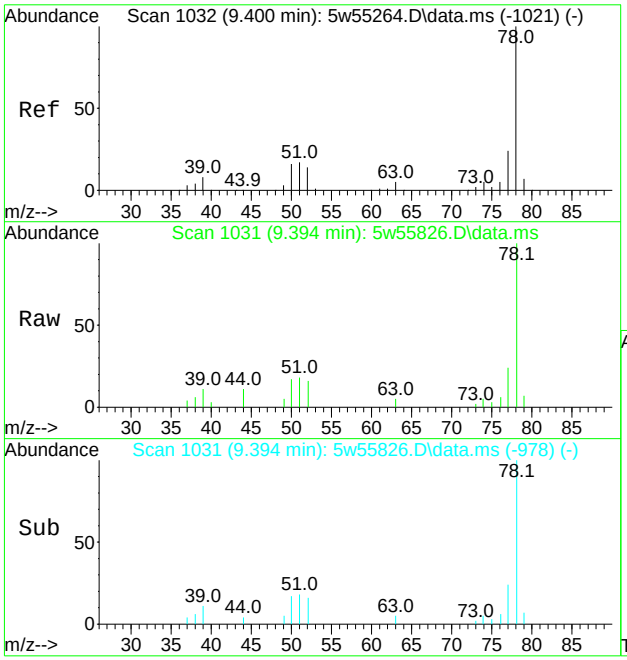



#47
2,4-DIMETHYLPENTANE
Concen: 0.1015 PPBV
RT: 8.666 min Scan# 912
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 3784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 69.1 | 26.4 | 86.4 |
| 85 | 26.3 | 0.0 | 56.0 |

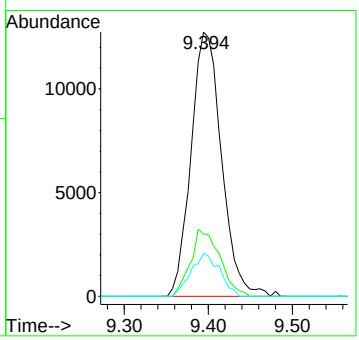


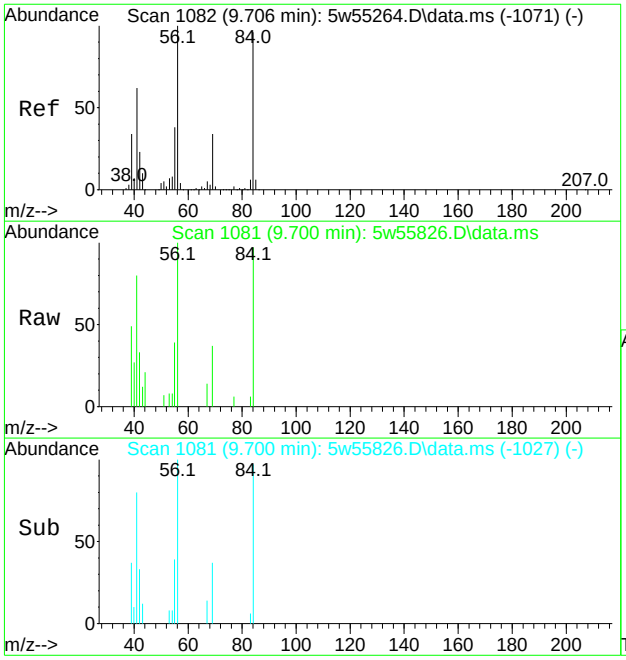




#52
BENZENE
Concen: 0.4122 PPBV
RT: 9.394 min Scan# 1031
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 78 Resp: 32183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.3 | 0.0 | 54.0 |
| 52 | 15.2 | 0.0 | 45.6 |

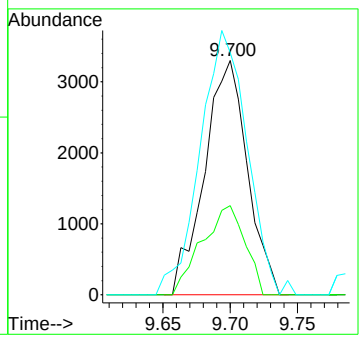


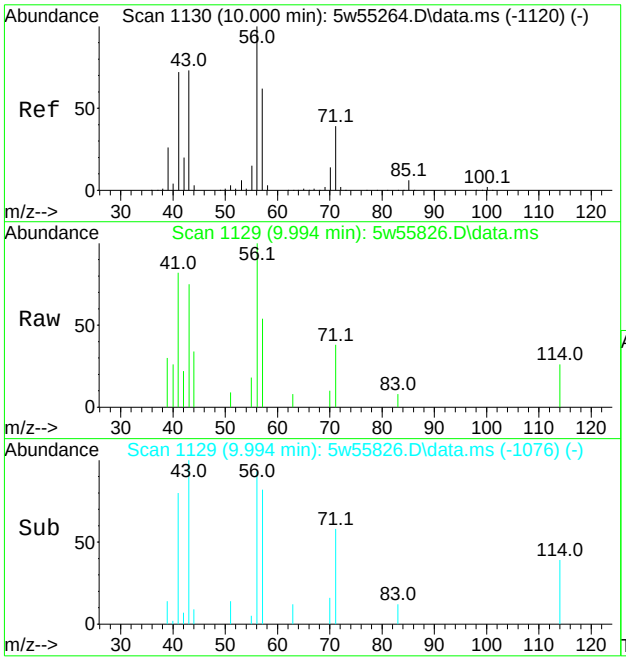



#53
CYCLOHEXANE
Concen: 0.2500 PPBV
RT: 9.700 min Scan# 1081
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 84 Resp: 7334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 38.0 | 7.0 | 67.0 |
| 56 | 123.5 | 86.5 | 146.5 |

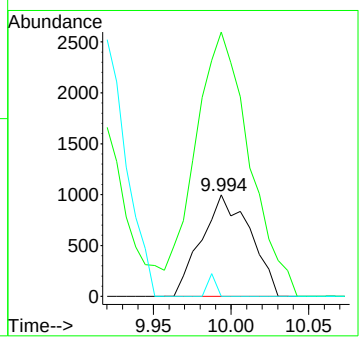


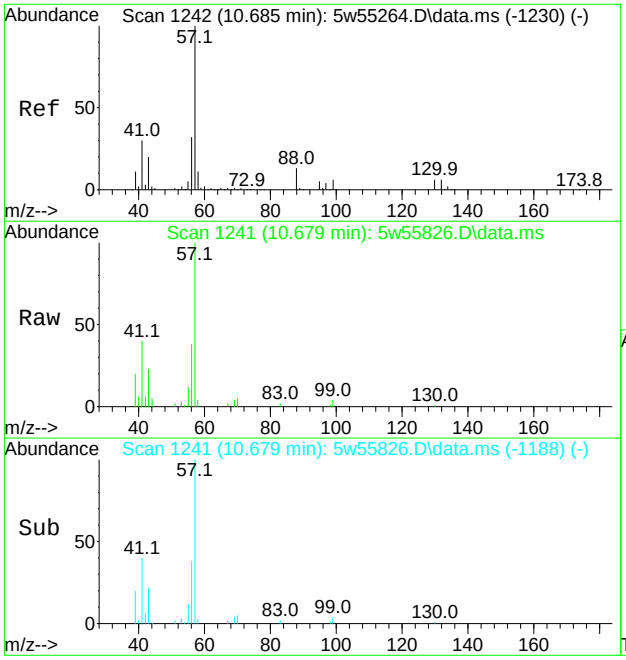




#54
2,3-DIMETHYLPENTANE
Concen: 0.1374 PPBV
RT: 9.994 min Scan# 1129
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 71 Resp: 2176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 289.2 | 235.4 | 295.4 |
| 85 | 0.0 | 0.0 | 45.3 |

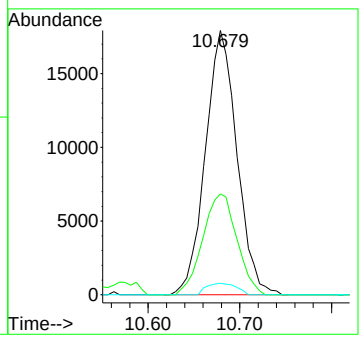


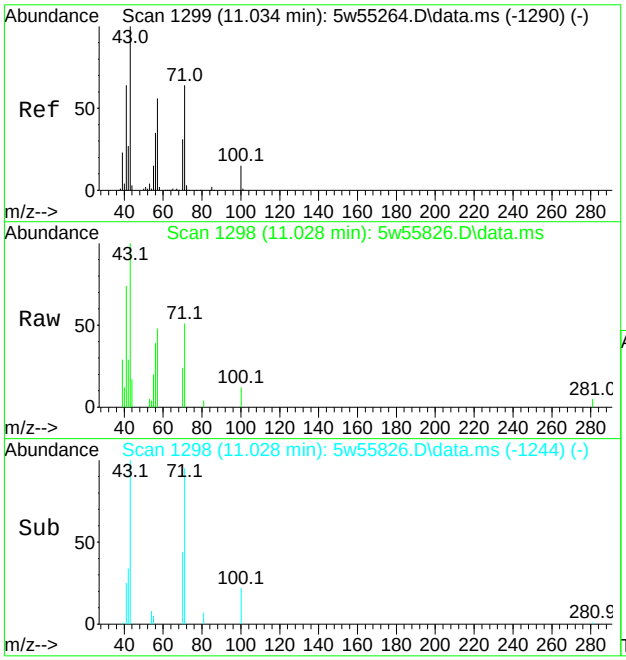



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.3615 PPBV
RT: 10.679 min Scan# 1241
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 57 Resp: 42861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 41.2 | 2.2 | 62.2 |
| 99 | 4.1 | 0.0 | 37.6 |

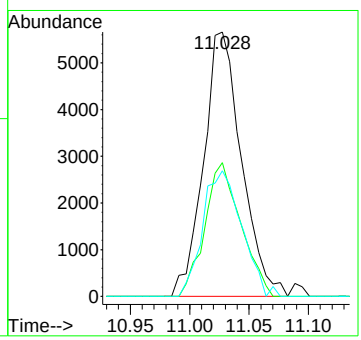


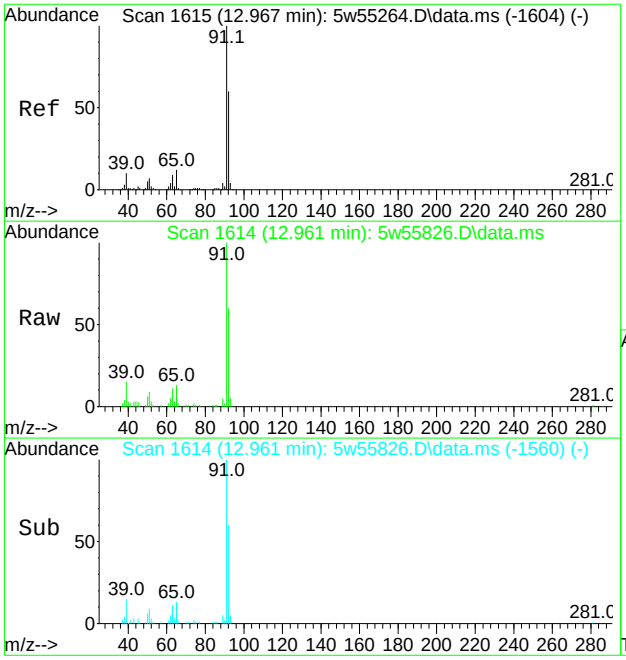




#62
HEPTANE
Concen: 0.3032 PPBV
RT: 11.028 min Scan# 1298
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 12558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 48.0 | 27.2 | 87.2 |
| 57 | 48.7 | 22.5 | 82.5 |

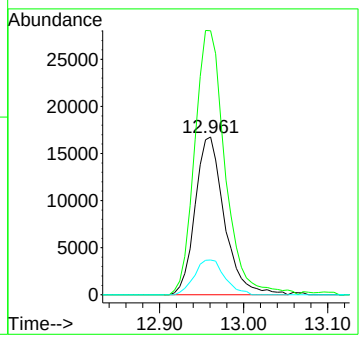


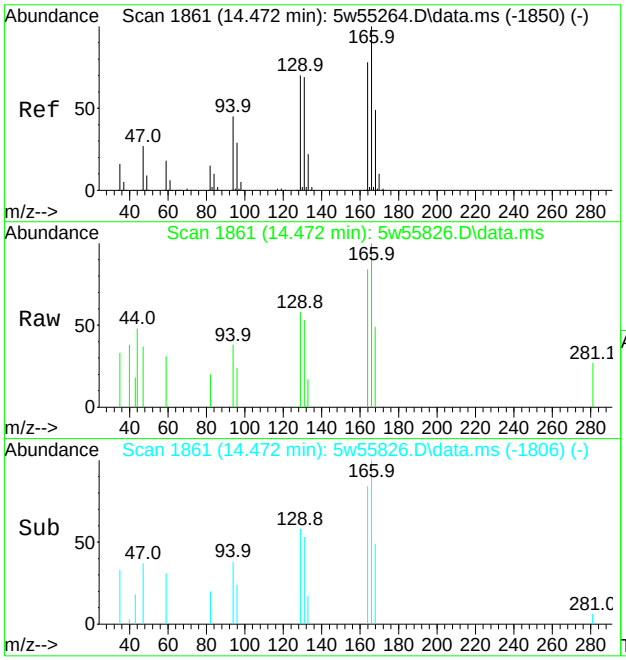



#66
TOLUENE
Concen: 0.7412 PPBV
RT: 12.961 min Scan# 1614
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 92 Resp: 40482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.0 | 143.4 | 203.4 |
| 65 | 22.9 | 0.0 | 53.8 |

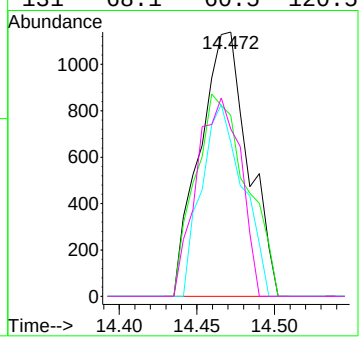


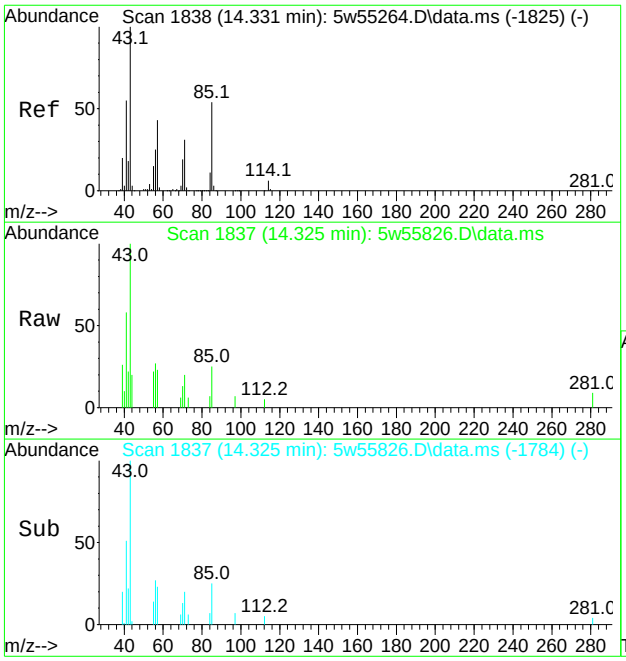




#73
TETRACHLOROETHYLENE
Concen: 0.0609 PPBV
RT: 14.472 min Scan# 1861
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:164 Resp: 2473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 81.1 | 64.4 | 124.4 |
| 168 | 62.3 | 31.2 | 91.2 |
| 131 | 68.1 | 60.5 | 120.5 |

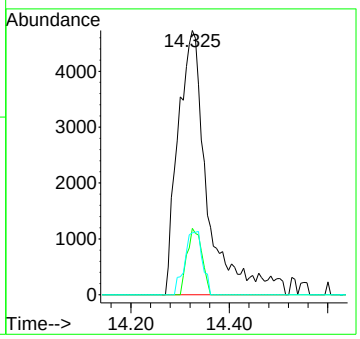


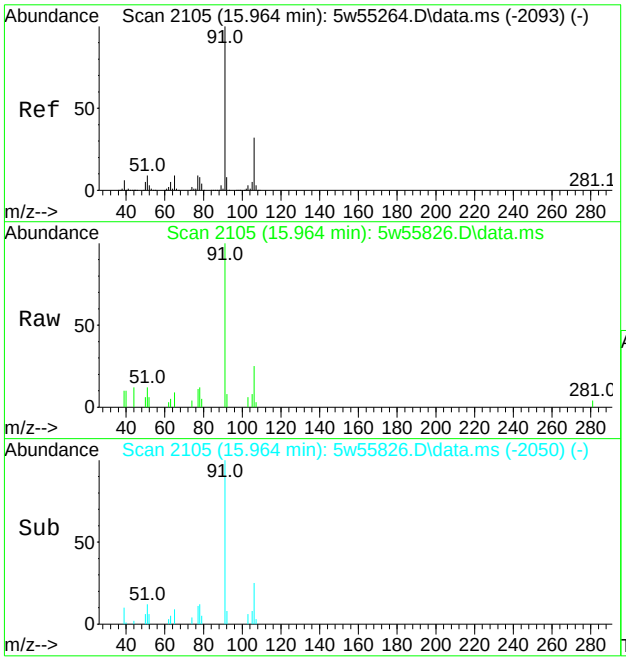



#76
OCTANE
Concen: 0.3622 PPBV
RT: 14.325 min Scan# 1837
Delta R.T. -0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 19766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 12.6 | 13.7 | 73.7# |
| 57 | 14.3 | 9.9 | 69.9 |

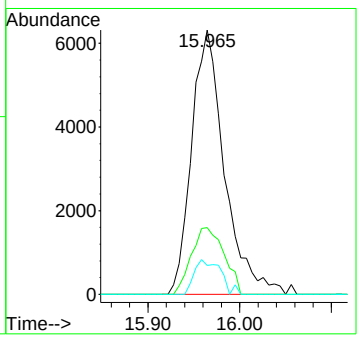


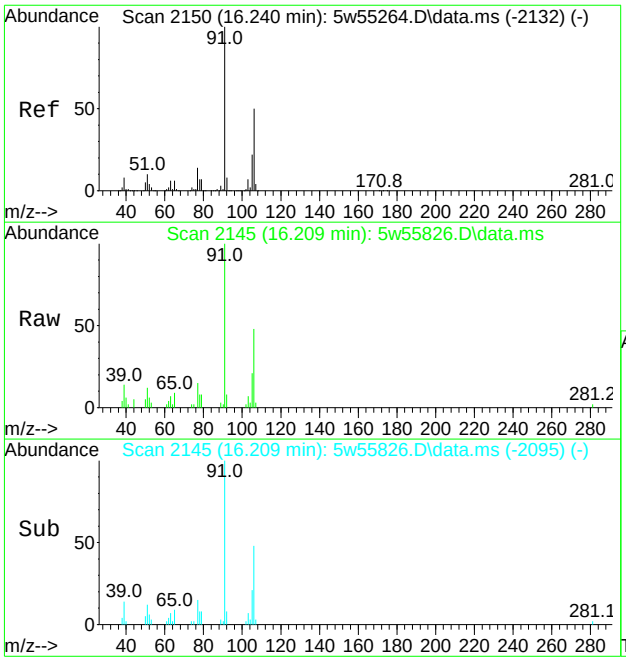




#79
ETHYLBENZENE
Concen: 0.1374 PPBV
RT: 15.964 min Scan# 2105
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 91 Resp: 15737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 25.2 | 0.0 | 59.9 |
| 77 | 10.5 | 0.0 | 39.1 |

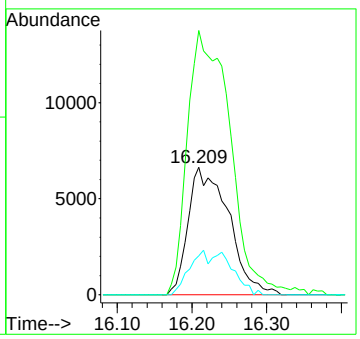


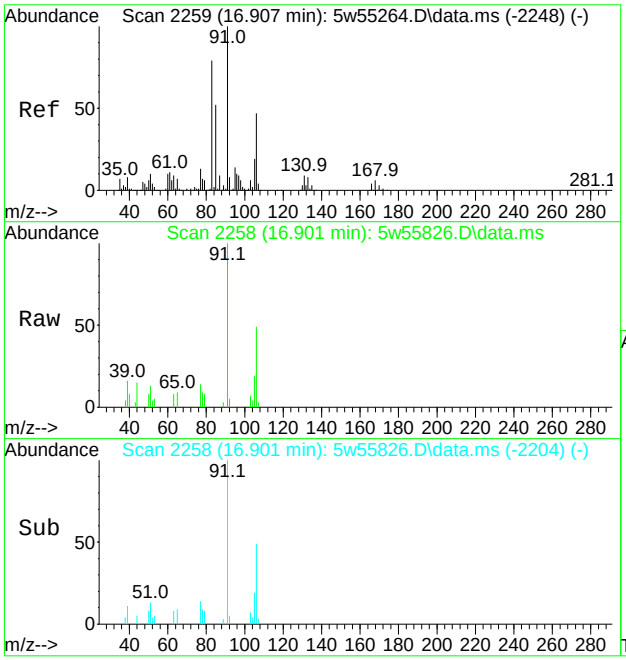



#80
m,p-XYLENE
Concen: 0.5735 PPBV
RT: 16.209 min Scan# 2145
Delta R.T. -0.025 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 24925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.1 | 181.2 | 241.2 |
| 77 | 30.6 | 0.1 | 60.1 |

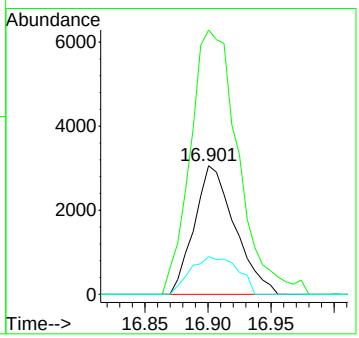


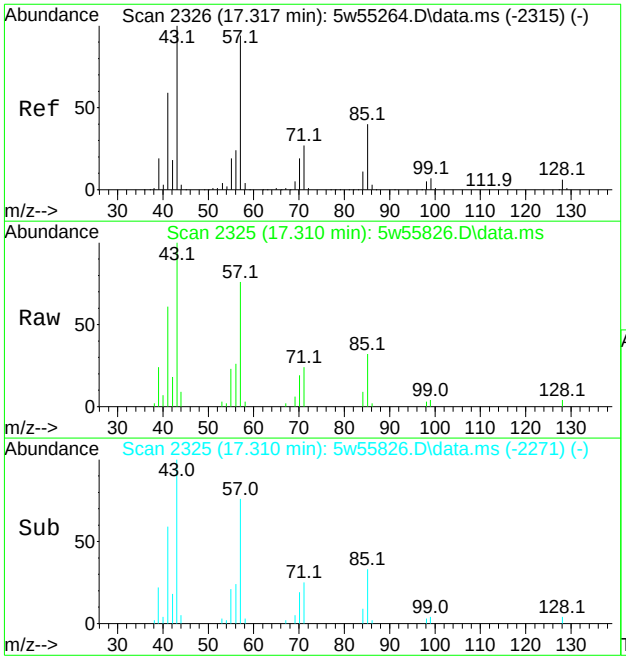




#81
o-XYLENE
Concen: 0.1621 PPBV
RT: 16.901 min Scan# 2258
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:106 Resp: 6839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 243.0 | 193.4 | 253.4 |
| 77 | 34.1 | 0.0 | 59.8 |

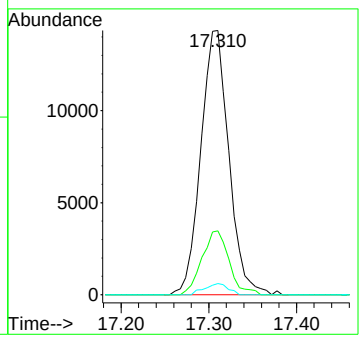


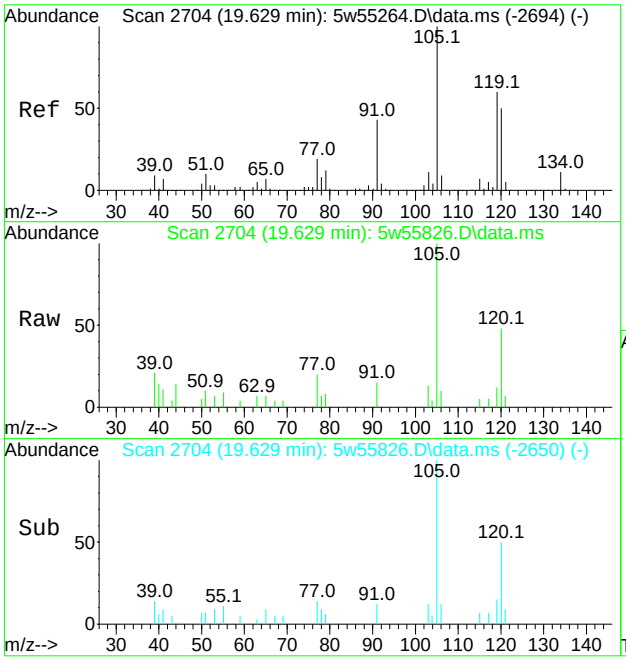



#83
NONANE
Concen: 0.5601 PPBV
RT: 17.310 min Scan# 2325
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion: 43 Resp: 31896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 23.4 | 0.0 | 53.8 |
| 128 | 3.6 | 0.0 | 34.3 |

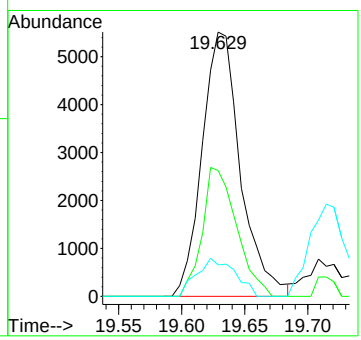


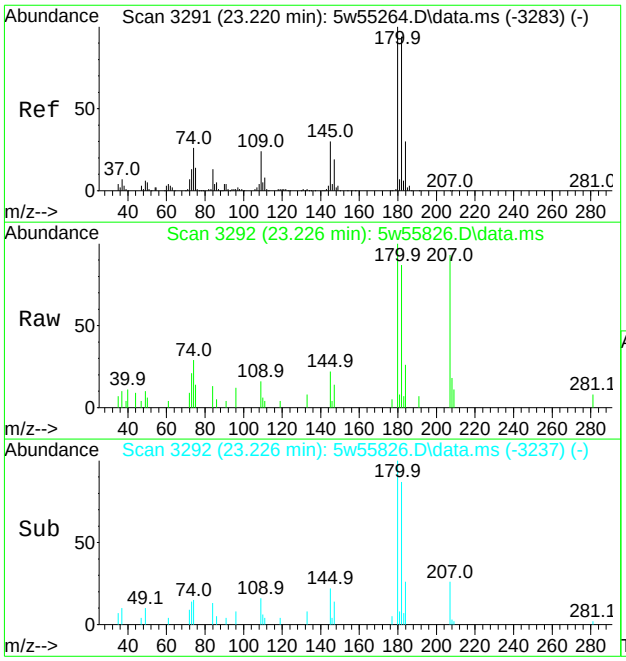




#96
1,2,4-TRIMETHYLBENZENE
Concen: 0.1080 PPBV
RT: 19.629 min Scan# 2704
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:105 Resp: 11668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.6 | 82.6 |
| 119 | 14.3 | 69.7 | 129.7# |

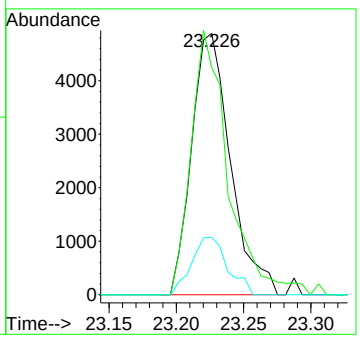


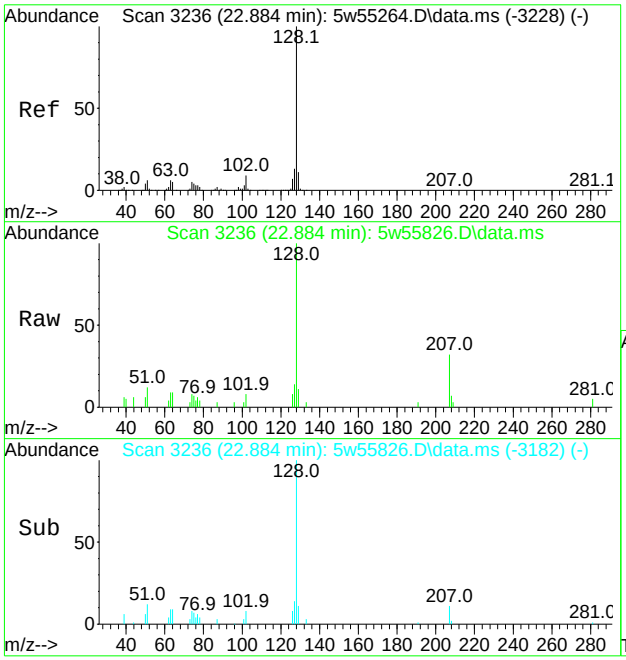



#107
1,2,4-TRICHLOROBENZENE
Concen: 0.1428 PPBV
RT: 23.226 min Scan# 3292
Delta R.T. 0.006 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:180 Resp: 9822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.5 | 66.4 | 126.4 |
| 145 | 20.4 | 0.2 | 60.2 |

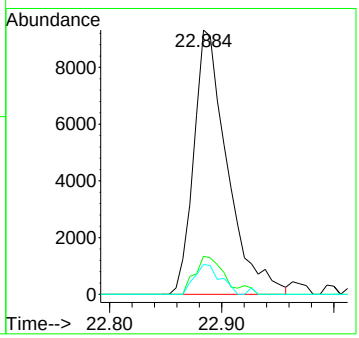



#108
NAPHTHALENE
Concen: 0.1282 PPBV
RT: 22.884 min Scan# 3236
Delta R.T. -0.000 min
Lab File: 5w55826.D
Acq: 23 Dec 2024 4:11 pm

Tgt Ion:128 Resp: 19361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 0.0 | 43.1 |
| 129 | 8.7 | 0.0 | 41.1 |



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\07 Jan 2025\V7W414\
Data File : 7w11549.D
Acq On : 7 Jan 2025 6:24 am
Operator : benk
Sample : je2792-5dup Inst : MS7W
Misc : MS88386,v7w414,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 21:20:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

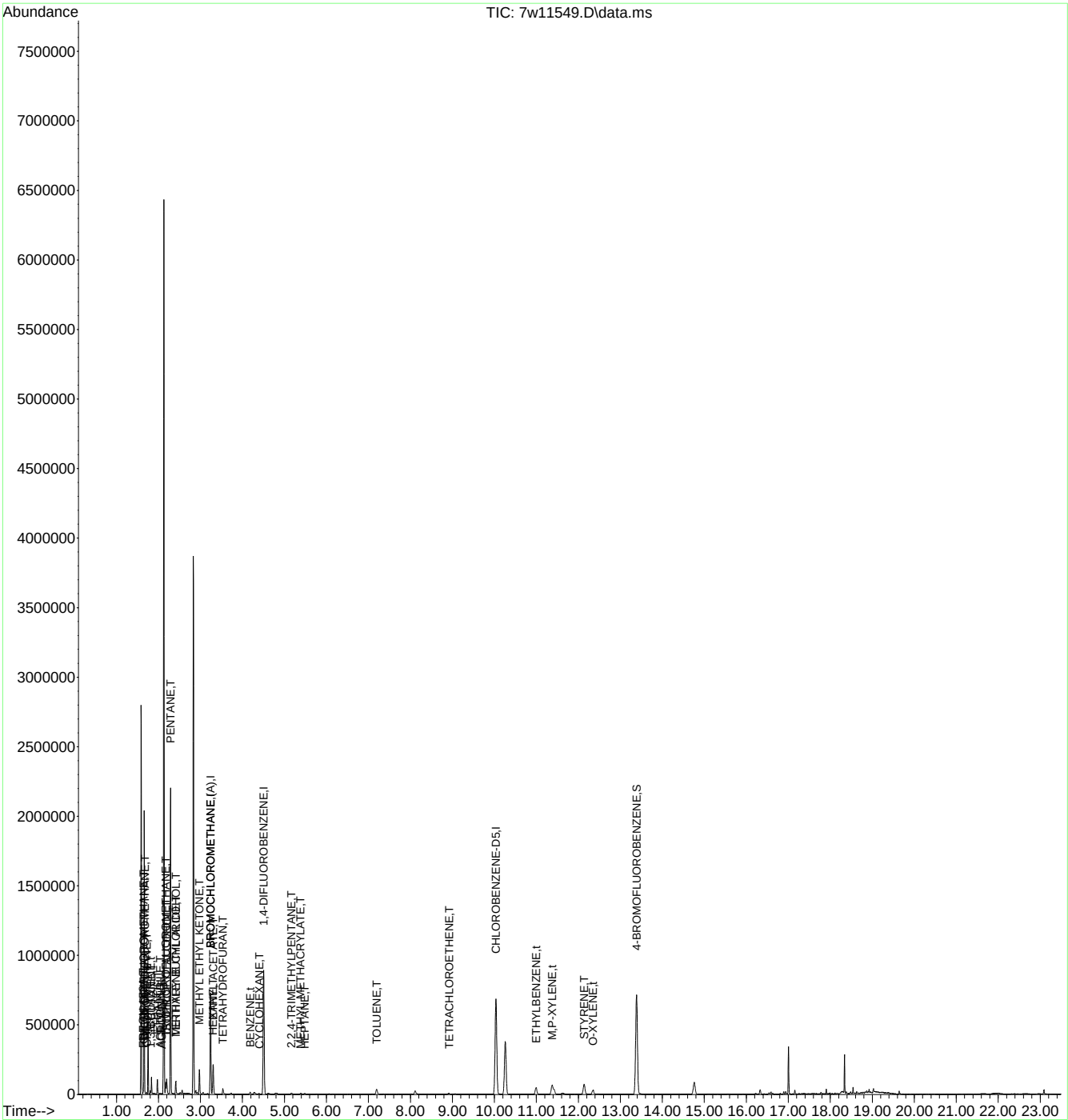
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.239 | 128 | 128913 | 10.00 | PPBV | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.506 | 114 | 624851 | 10.00 | PPBV | 0.01 |
| 76) CHLOROBENZENE-D5 | 10.039 | 117 | 594741 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.239 | 128 | 128895 | 10.00 | PPBV | 0.01 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.386 | 95 | 438350 | 10.16 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.631 | 65 | 1970 | 0.3209 | PPBV | 89 |
| 4) CHLORODIFLUOROMETHANE | 1.644 | 67 | 1769 | 0.5676 | PPBV # | 1 |
| 6) DICHLORODIFLUOROMETHANE | 1.673 | 85 | 12834 | 0.3993 | PPBV | 95 |
| 10) CHLOROMETHANE | 1.715 | 52 | 2055 | 0.6159 | PPBV | 96 |
| 12) 1,3-BUTADIENE | 1.818 | 54 | 1079 | 0.1174 | PPBV # | 1 |
| 13) N-BUTANE | 1.834 | 43 | 51553 | 3.0835 | PPBV # | 94 |
| 17) ACETONITRILE | 2.036 | 41 | 2855 | 0.2755 | PPBV # | 89 |
| 18) ACROLEIN | 2.078 | 56 | 1467 | 0.2696 | PPBV | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.171 | 101 | 38870 | 1.3732 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.194 | 45 | 77921 | 3.2628 | PPBV | 98 |
| 24) PENTANE | 2.287 | 42 | 469754 | 40.9500 | PPBV | 97 |
| 28) ETHANOL | 1.975 | 45 | 58560 | 8.9574 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 2.412 | 84 | 17247 | 1.6903 | PPBV | 89 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 7207 | 0.2624 | PPBV # | 1 |
| 37) TETRAHYDROFURAN | 3.531 | 72 | 7348 | 1.4250 | PPBV | 79 |
| 38) HEXANE | 3.290 | 57 | 6385 | 0.3007 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.975 | 72 | 29058 | 5.0736 | PPBV | 81 |
| 44) ETHYL ACETATE | 3.303 | 61 | 21867 | 5.3756 | PPBV # | 1 |
| 51) BENZENE | 4.184 | 78 | 11857 | 0.3444 | PPBV | 95 |
| 53) CYCLOHEXANE | 4.396 | 84 | 1515 | 0.1026 | PPBV # | 47 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.162 | 57 | 7902 | 0.1315 | PPBV | 88 |
| 62) HEPTANE | 5.483 | 43 | 2781 | 0.1317 | PPBV | 83 |
| 63) METHYL METHACRYLATE | 5.383 | 69 | 2557 | 0.1884 | PPBV | 81 |
| 66) TOLUENE | 7.197 | 91 | 33768 | 0.7648 | PPBV | 100 |
| 72) TETRACHLOROETHENE | 8.920 | 164 | 2447 | 0.1463 | PPBV | 100 |
| 79) ETHYLBENZENE | 10.994 | 91 | 58438 | 0.9976 | PPBV | 98 |
| 80) M,P-XYLENE | 11.377 | 91 | 96447 | 2.1003 | PPBV | 60 |
| 81) O-XYLENE | 12.345 | 91 | 30892 | 0.6698 | PPBV | 96 |
| 82) STYRENE | 12.136 | 104 | 62357 | 1.8879 | PPBV | 99 |

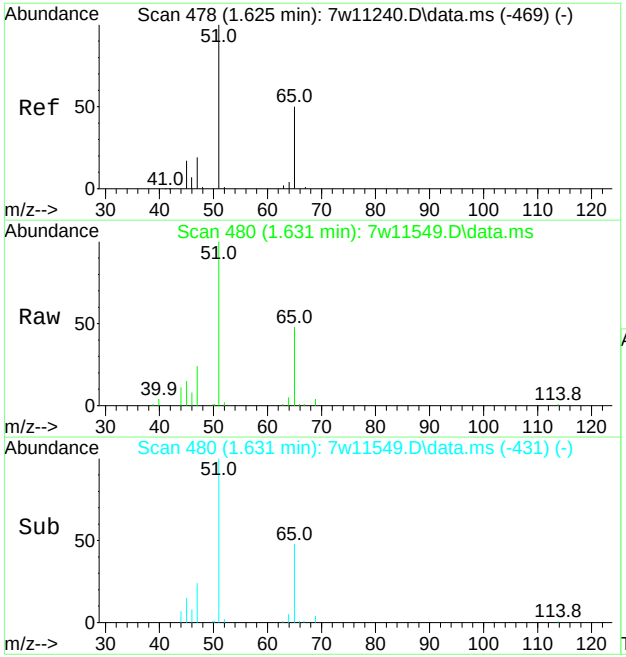
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2025\January\07 Jan 2025\V7W414\
Data File : 7w11549.D
Acq On : 7 Jan 2025 6:24 am
Operator : benk
Sample : je2792-5dup Inst : MS7W
Misc : MS88386,v7w414,400,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 21:20:51 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

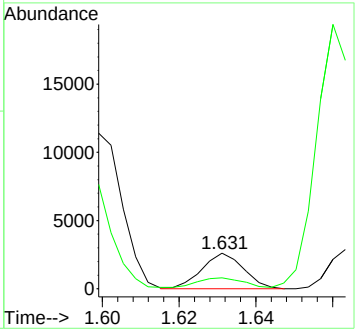


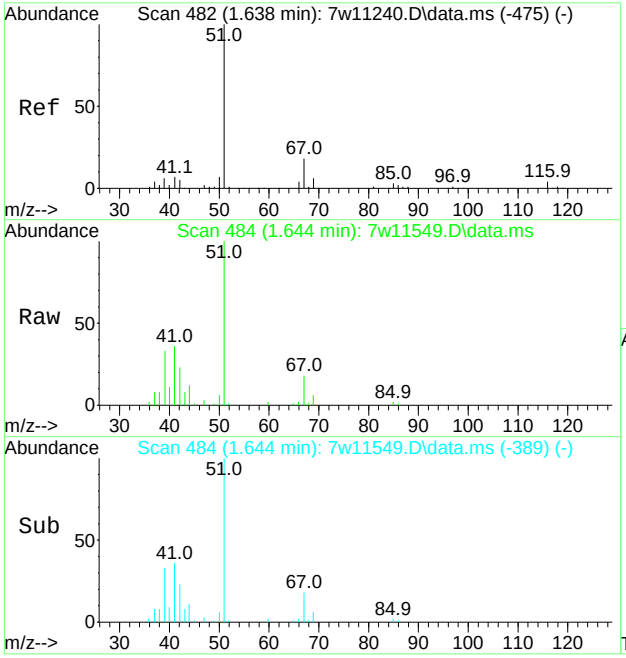



#3
FREON 152A
Concen: 0.3209 PPBV
RT: 1.631 min Scan# 480
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 65 Resp: 1970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 27.6 | 23.5 | 43.7 |

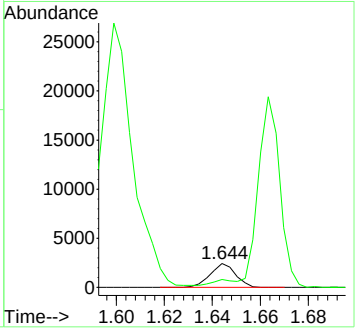


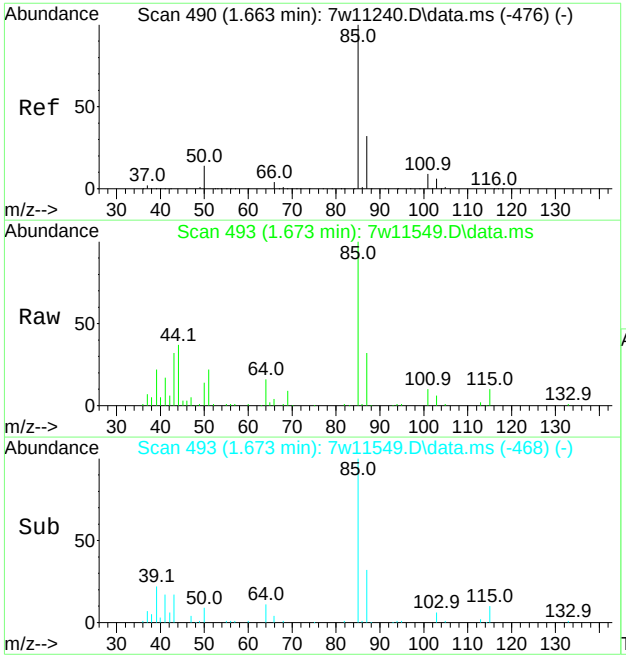




#4
CHLORODIFLUOROMETHANE
Concen: 0.5676 PPBV
RT: 1.644 min Scan# 484
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 67 Resp: 1769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 720.2 | 24.4 | 45.4# |

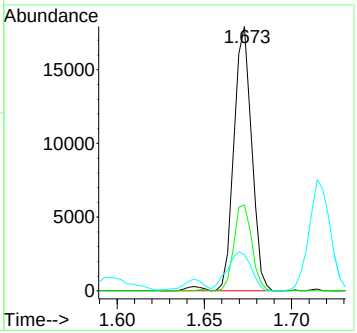


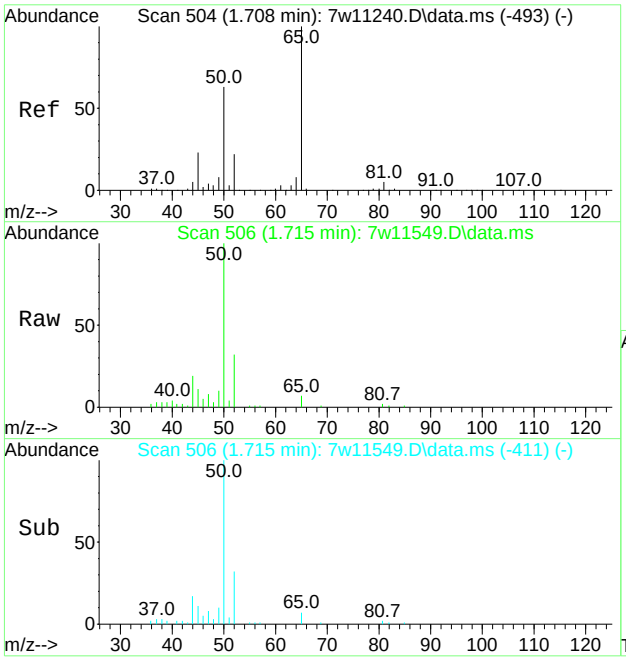



#6
DICHLORODIFLUOROMETHANE
Concen: 0.3993 PPBV
RT: 1.673 min Scan# 493
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 85 Resp: 12834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.7 | 22.5 | 41.7 |
| 50 | 24.7 | 13.8 | 25.6 |

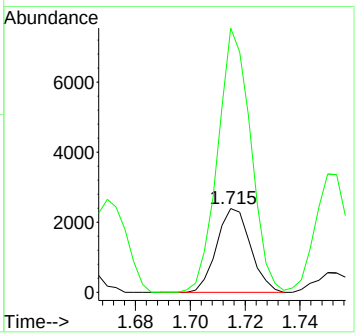


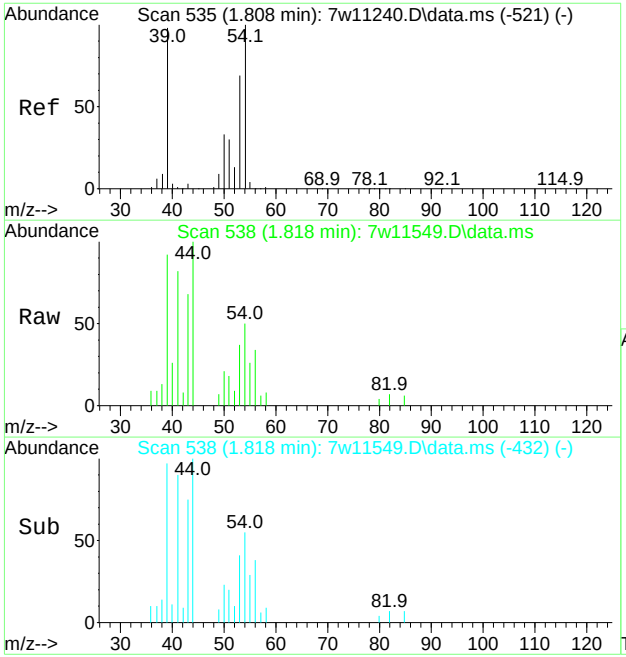




#10
CHLOROMETHANE
Concen: 0.6159 PPBV
RT: 1.715 min Scan# 506
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 52 Resp: 2055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 306.5 | 220.1 | 408.8 |

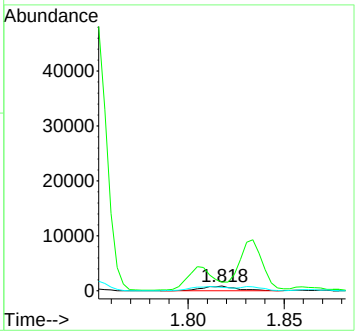


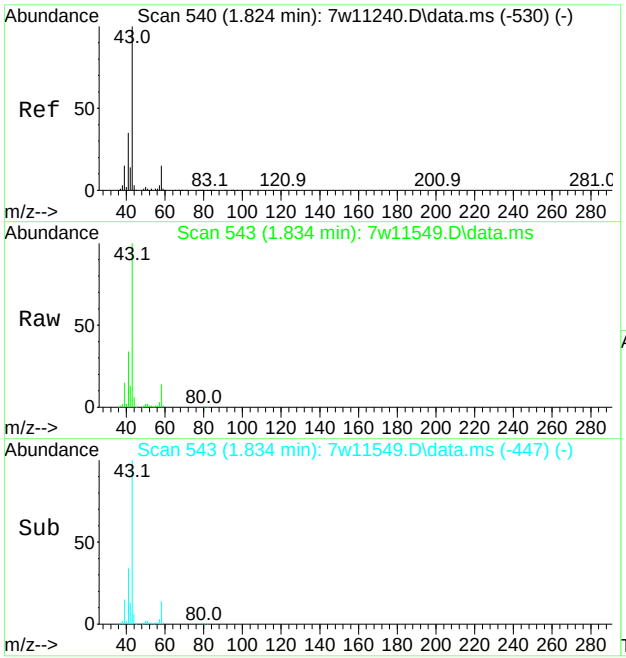



#12
1,3-BUTADIENE
Concen: 0.1174 PPBV
RT: 1.818 min Scan# 538
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 54 Resp: 1079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 799.9 | 98.3 | 158.3# |
| 53 | 157.0 | 41.0 | 101.0# |

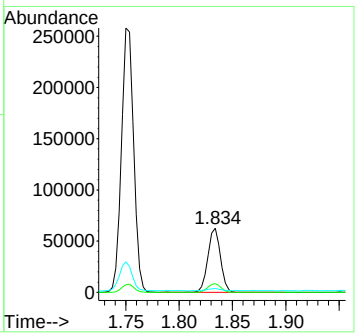


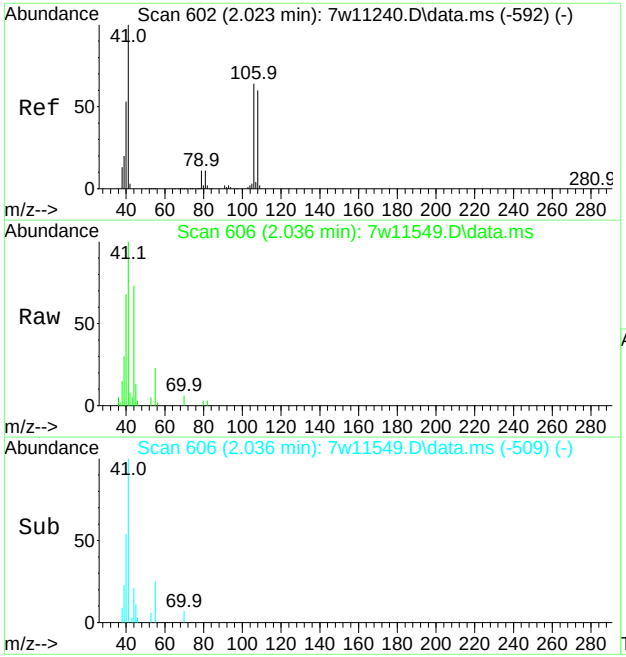




#13
N-BUTANE
Concen: 3.0835 PPBV
RT: 1.834 min Scan# 543
Delta R.T. 0.010 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 43 Resp: 51553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.1 | 10.4 | 19.2 |
| 44 | 11.8 | 3.0 | 5.6# |

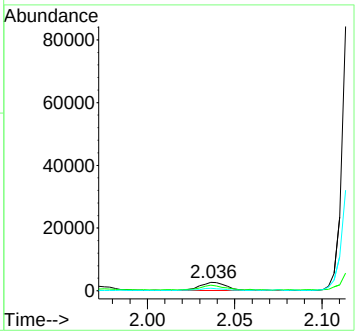


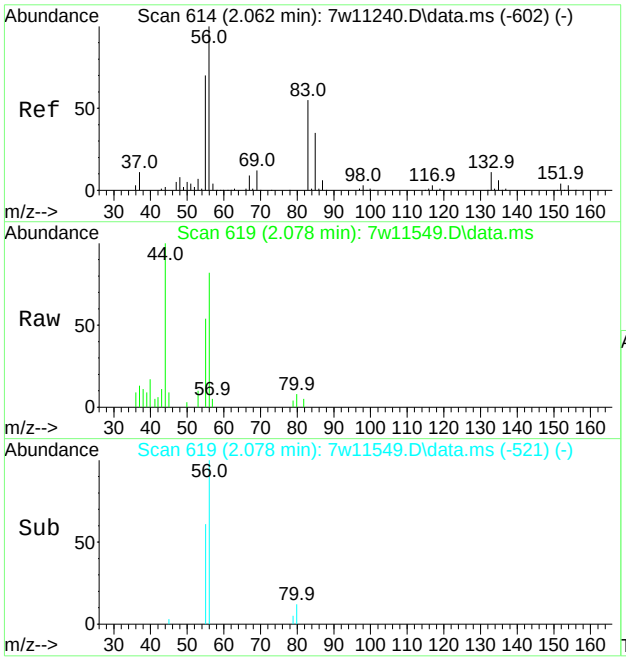



#17
ACETONITRILE
Concen: 0.2755 PPBV
RT: 2.036 min Scan# 606
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 41 Resp: 2855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 62.0 | 37.9 | 70.5 |
| 39 | 25.7 | 13.8 | 25.6# |

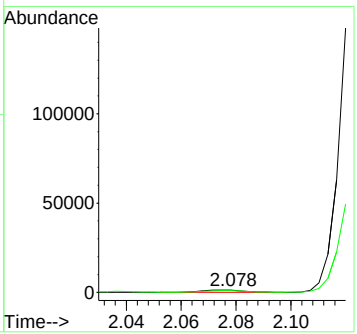


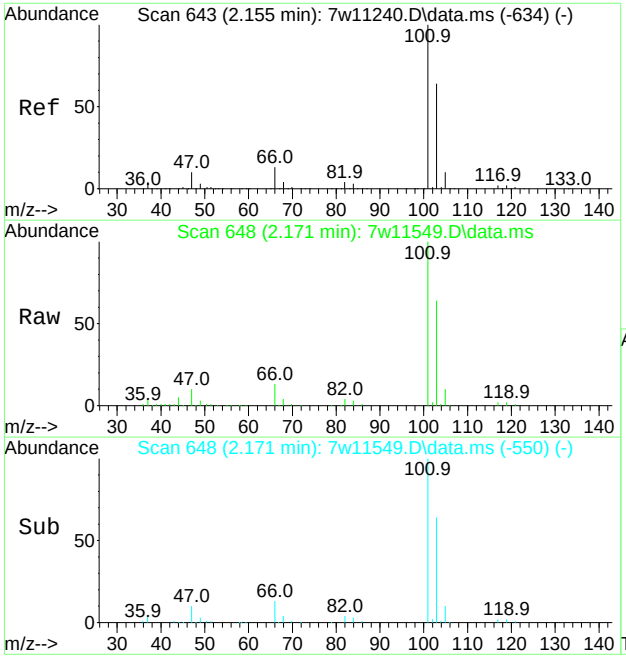




#18
ACROLEIN
Concen: 0.2696 PPBV
RT: 2.078 min Scan# 619
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 56 Resp: 1467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 77.8 | 50.3 | 93.3 |

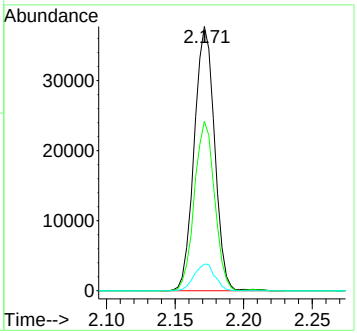


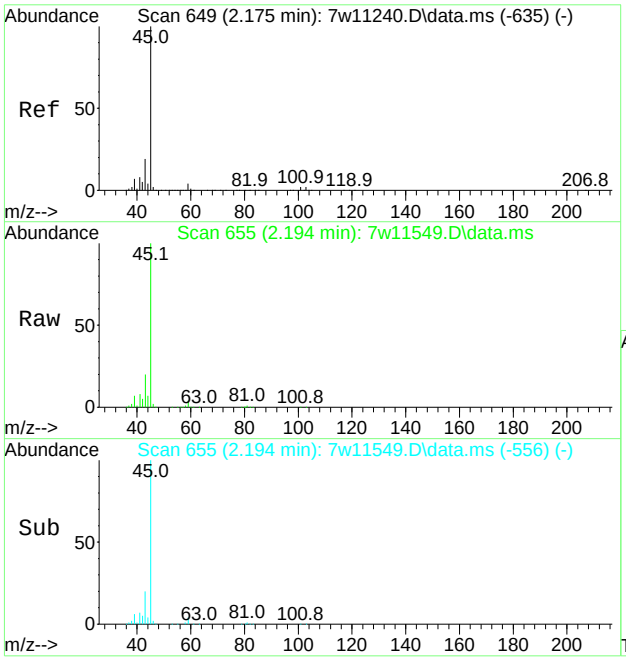



#21
TRICHLOROFLUOROMETHANE
Concen: 1.3732 PPBV
RT: 2.171 min Scan# 648
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:101 Resp: 38870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 44.9 | 83.5 |
| 105 | 10.3 | 7.3 | 13.5 |

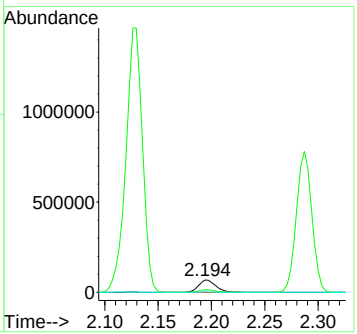


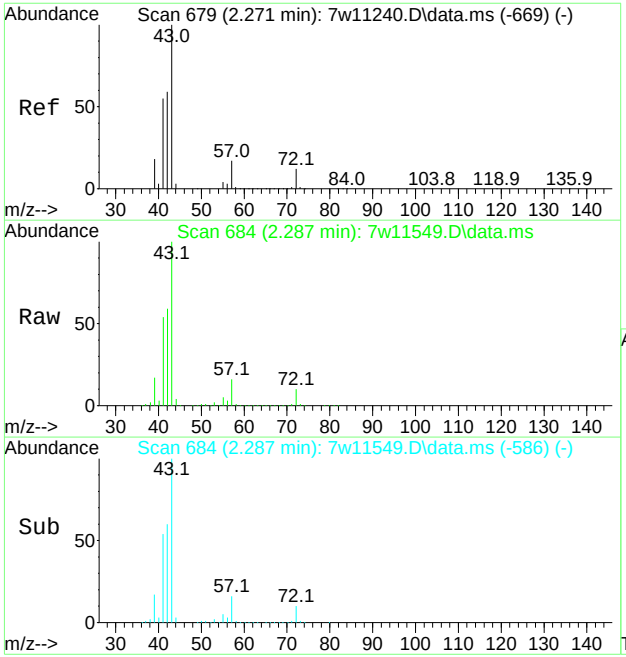




#22
ISOPROPYL ALCOHOL
Concen: 3.2628 PPBV
RT: 2.194 min Scan# 655
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 45 Resp: 77921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 20.9 | 13.9 | 25.9 |
| 59 | 4.1 | 2.8 | 5.2 |

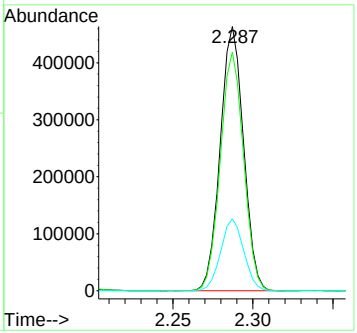


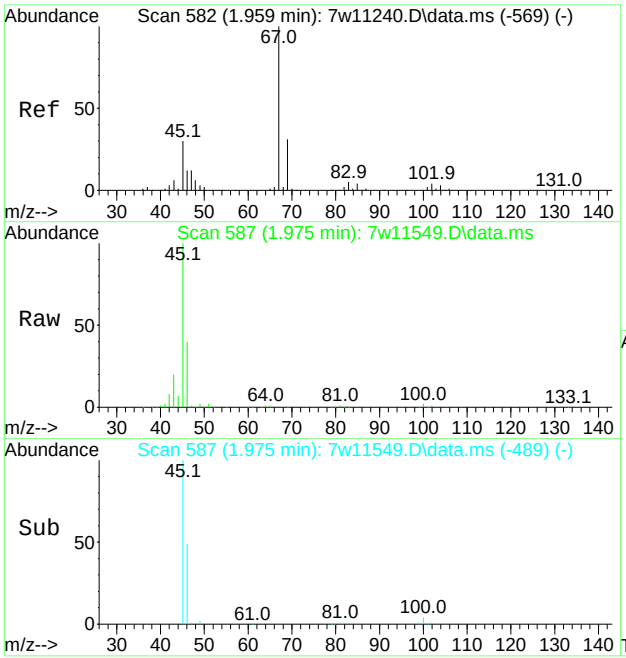



#24
PENTANE
Concen: 40.9500 PPBV
RT: 2.287 min Scan# 684
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 42 Resp: 469754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 90.0 | 64.8 | 120.3 |
| 57 | 26.9 | 19.7 | 36.7 |

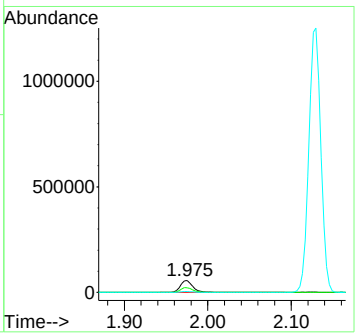


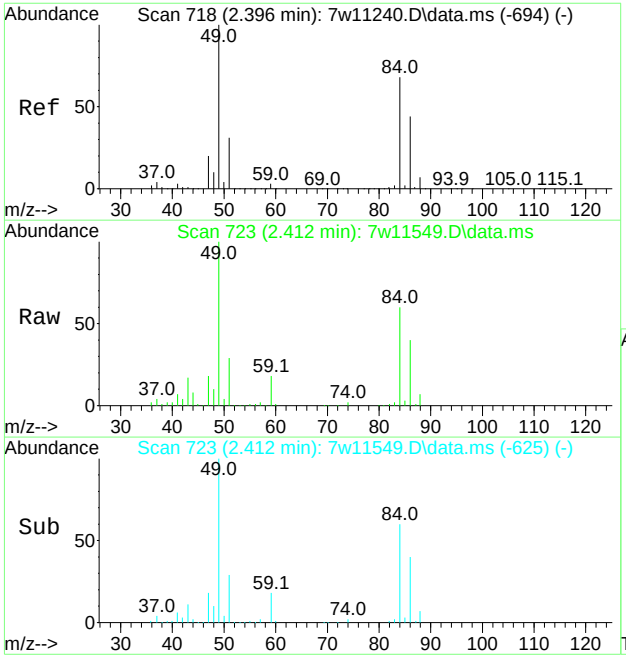




#28
ETHANOL
Concen: 8.9574 PPBV
RT: 1.975 min Scan# 587
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 45 Resp: 58560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 40.6 | 28.6 | 53.0 |
| 42 | 8.8 | 6.3 | 11.7 |

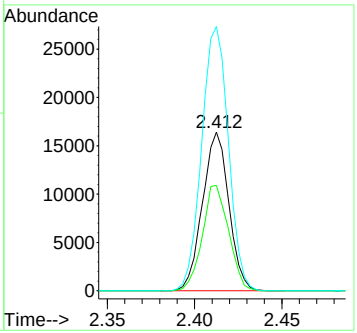


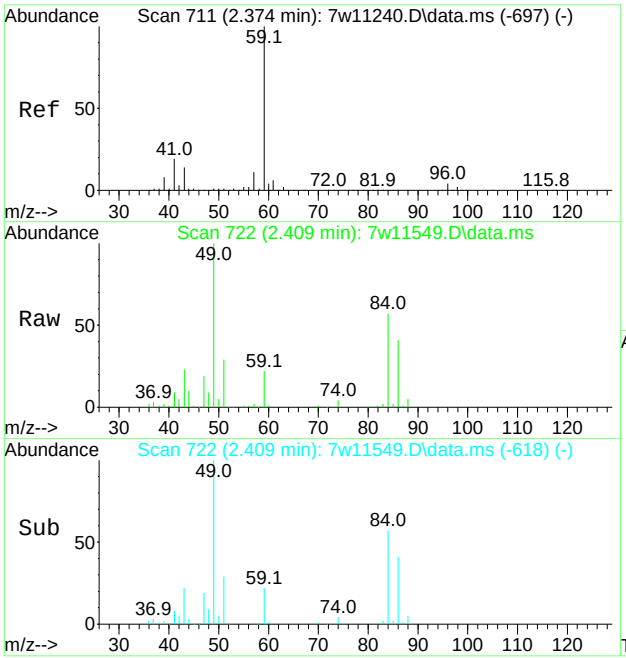



#31
METHYLENE CHLORIDE
Concen: 1.6903 PPBV
RT: 2.412 min Scan# 723
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 84 Resp: 17247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 66.2 | 46.0 | 85.4 |
| 49 | 168.7 | 103.9 | 192.9 |

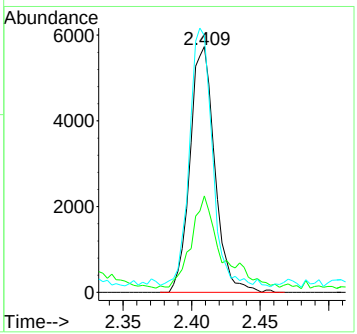


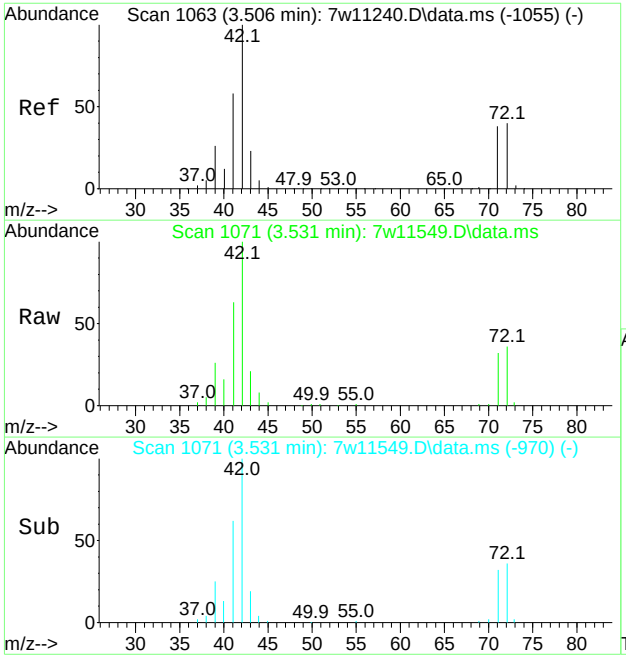




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.2624 PPBV
RT: 2.409 min Scan# 722
Delta R.T. 0.035 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 59 Resp: 7207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 47.1 | 14.3 | 26.5# |
| 43 | 95.7 | 9.9 | 18.5# |

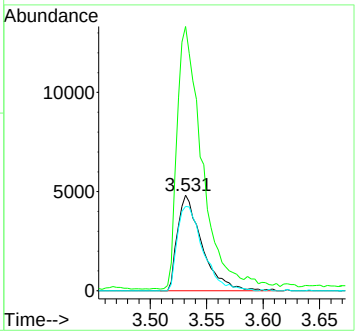


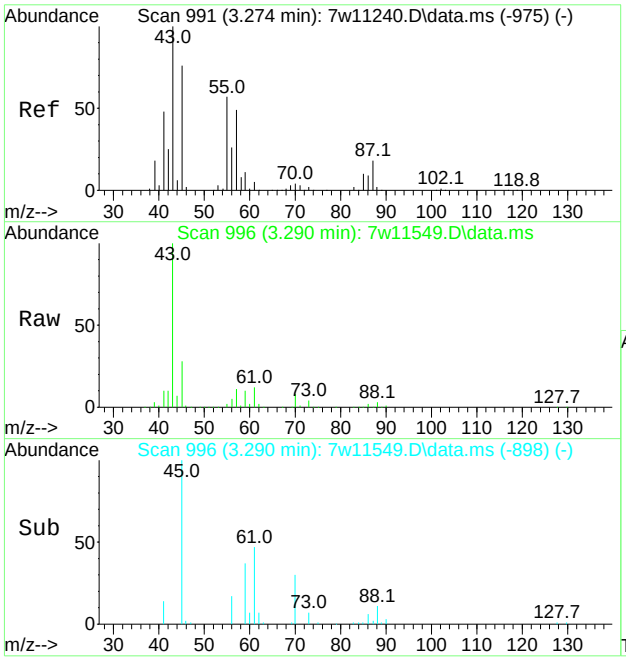



#37
TETRAHYDROFURAN
Concen: 1.4250 PPBV
RT: 3.531 min Scan# 1071
Delta R.T. 0.025 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 72 Resp: 7348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 42 | 297.6 | 174.9 | 324.9 |
| 71 | 92.0 | 67.2 | 124.8 |

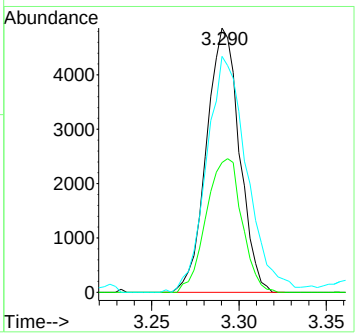


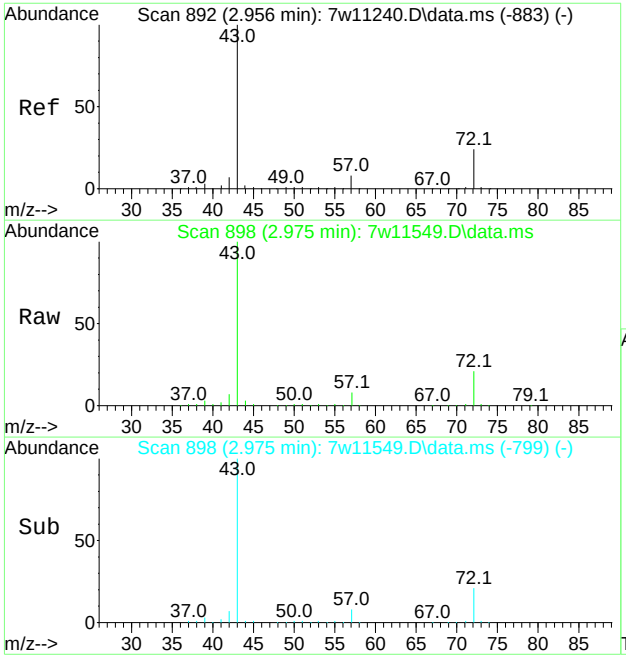




#38
HEXANE
Concen: 0.3007 PPBV
RT: 3.290 min Scan# 996
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 57 Resp: 6385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 54.8 | 37.8 | 70.2 |
| 41 | 110.2 | 75.9 | 140.9 |

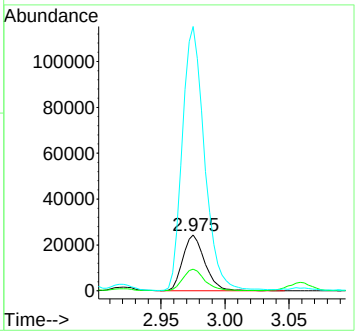


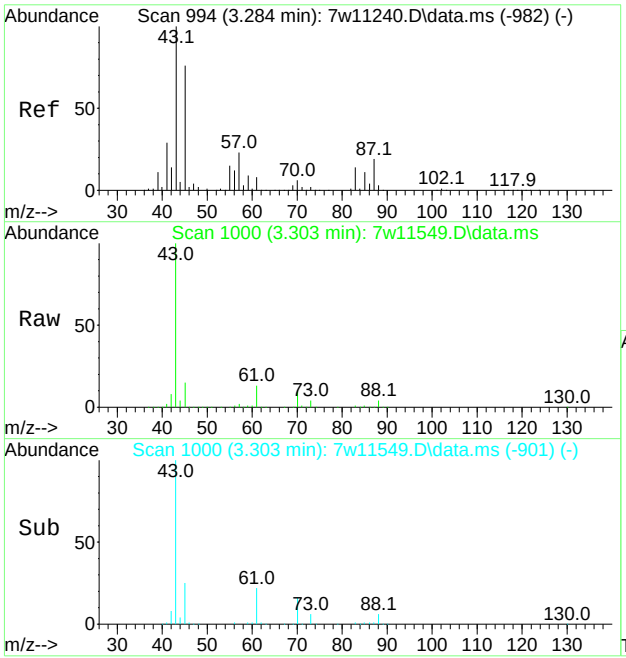



#41
METHYL ETHYL KETONE
Concen: 5.0736 PPBV
RT: 2.975 min Scan# 898
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 72 Resp: 29058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 39.4 | 25.3 | 46.9 |
| 43 | 477.1 | 299.6 | 556.4 |

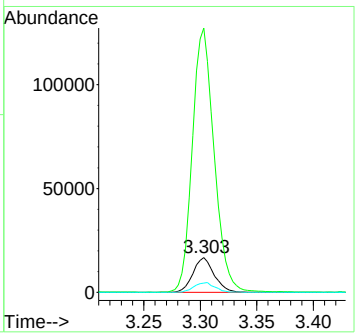


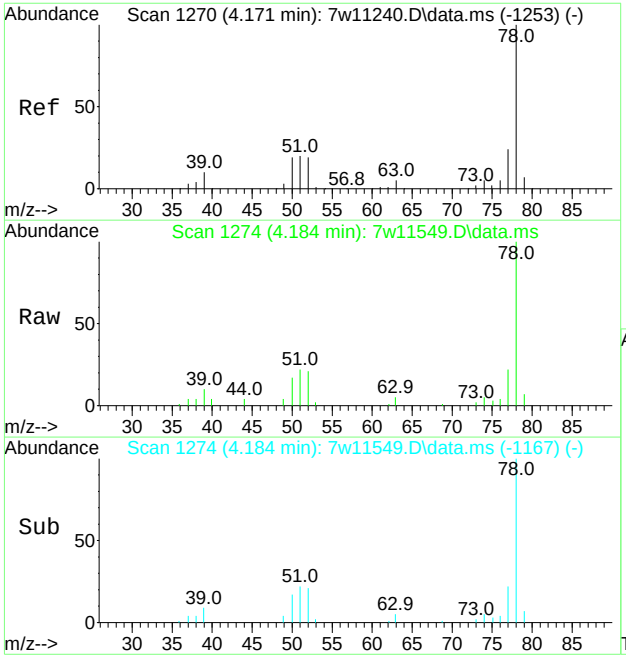




#44
ETHYL ACETATE
Concen: 5.3756 PPBV
RT: 3.303 min Scan# 1000
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 61 Resp: 21867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 780.1 | 1005.1 | 1866.5# |
| 88 | 28.2 | 29.3 | 54.5# |

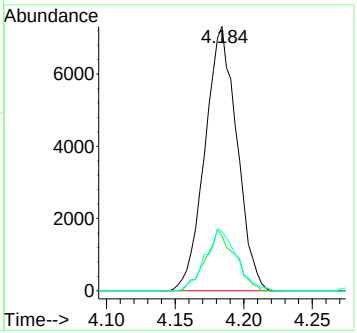


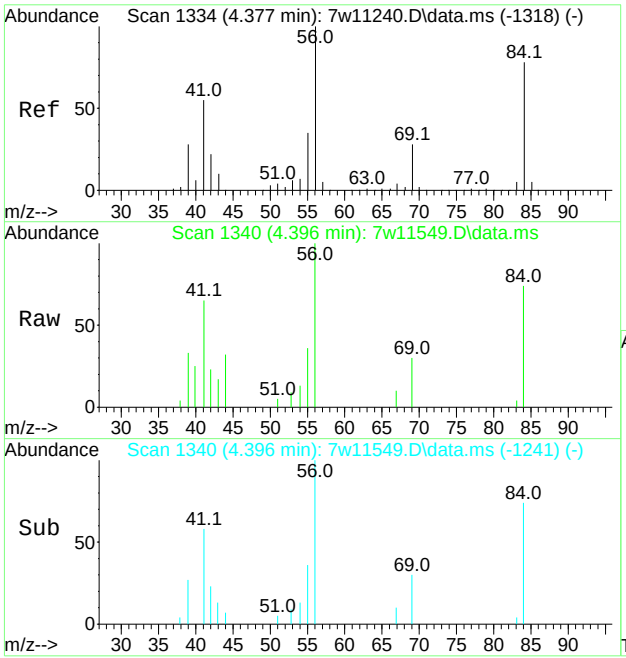



#51
BENZENE
Concen: 0.3444 PPBV
RT: 4.184 min Scan# 1274
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 78 Resp: 11857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 52 | 21.2 | 0.0 | 48.9 |
| 51 | 22.7 | 0.0 | 50.2 |

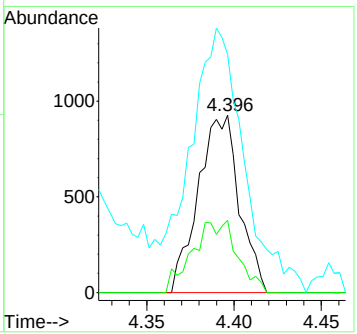


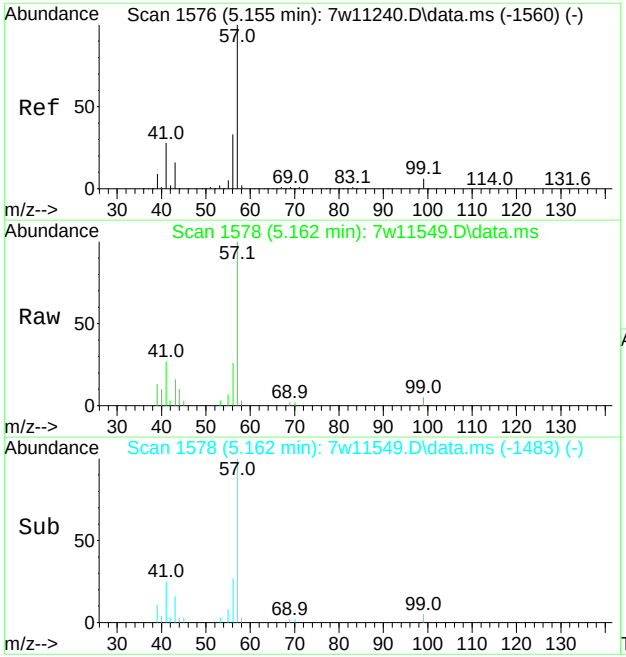




#53
CYCLOHEXANE
Concen: 0.1026 PPBV
RT: 4.396 min Scan# 1340
Delta R.T. 0.019 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 84 Resp: 1515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 44.2 | 24.8 | 46.0 |
| 56 | 201.9 | 89.8 | 166.8# |

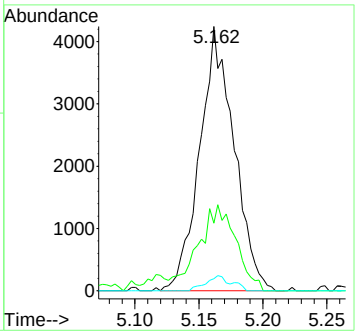


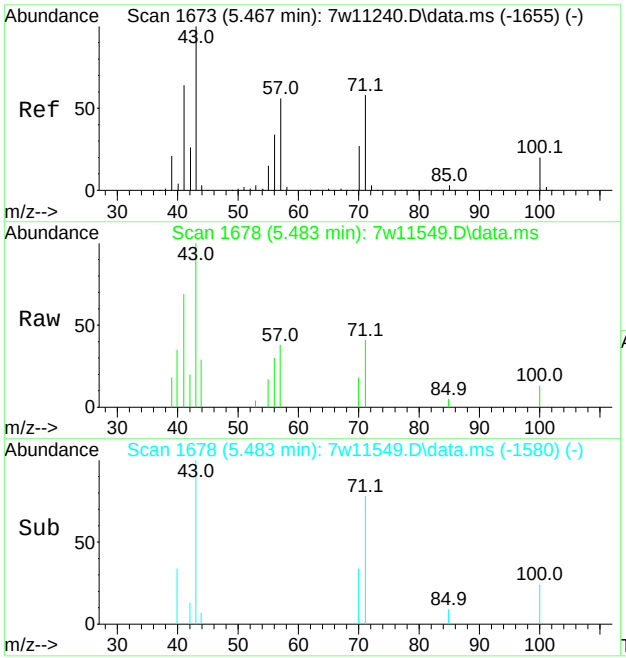



#60
2,2,4-TRIMETHYLPENTANE
Concen: 0.1315 PPBV
RT: 5.162 min Scan# 1578
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 57 Resp: 7902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 39.8 | 22.7 | 42.1 |
| 99 | 4.3 | 3.9 | 7.3 |

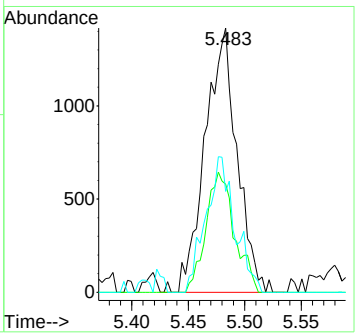


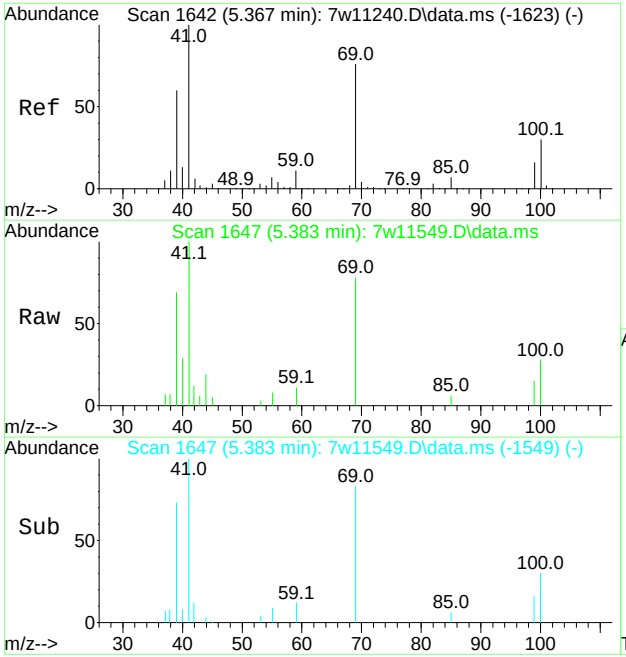




#62
HEPTANE
Concen: 0.1317 PPBV
RT: 5.483 min Scan# 1678
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 43 Resp: 2781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 40.7 | 40.0 | 74.4 |
| 57 | 46.6 | 38.9 | 72.2 |

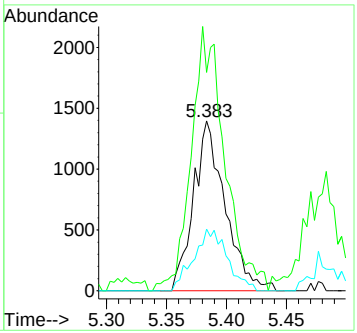


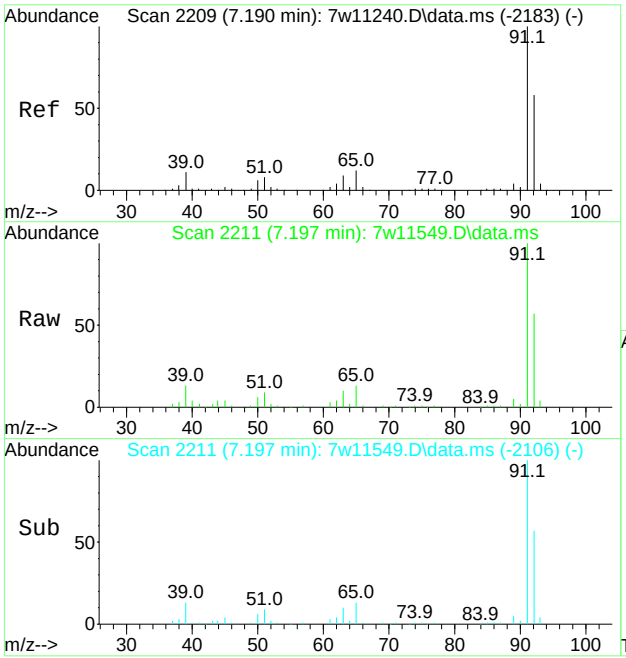



#63
METHYL METHACRYLATE
Concen: 0.1884 PPBV
RT: 5.383 min Scan# 1647
Delta R.T. 0.016 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 69 Resp: 2557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 164.4 | 95.5 | 177.4 |
| 100 | 38.6 | 28.3 | 52.7 |

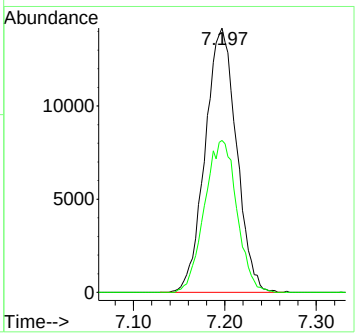


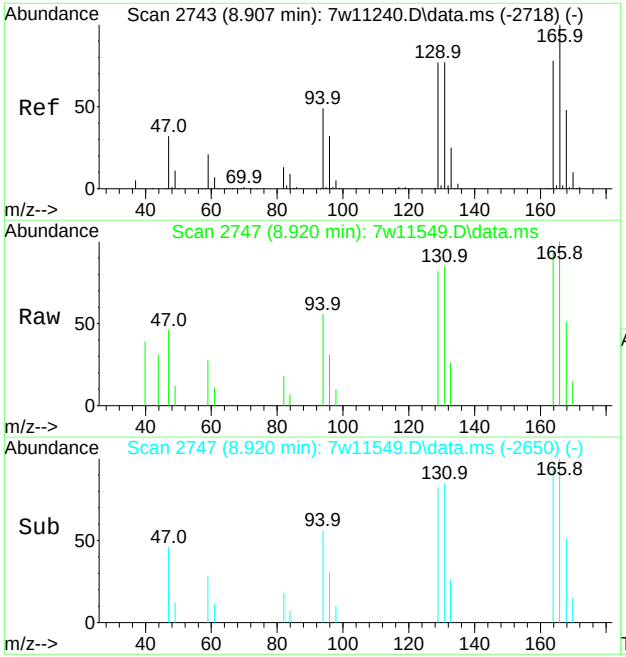




#66
TOLUENE
Concen: 0.7648 PPBV
RT: 7.197 min Scan# 2211
Delta R.T. 0.007 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 33768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.3 | 29.0 | 89.0 |

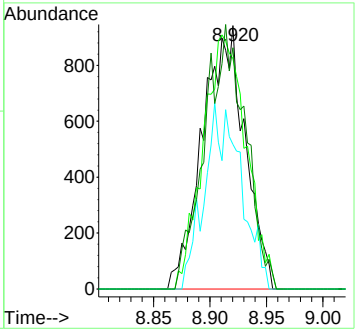


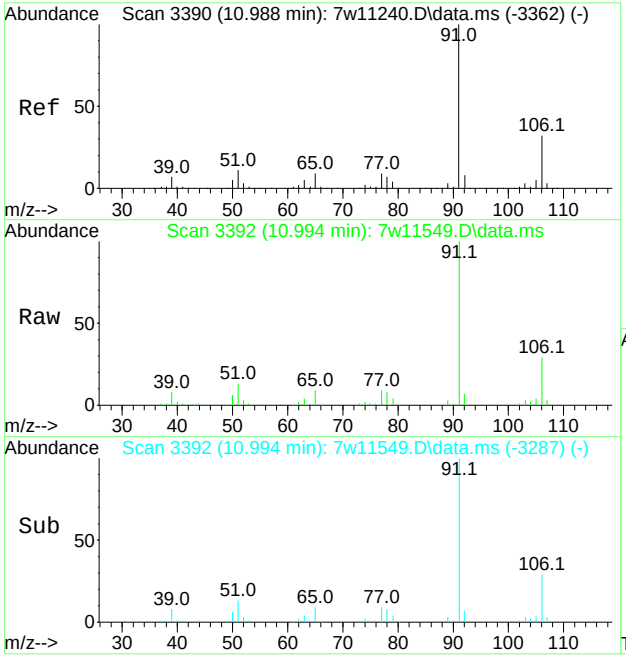



#72
TETRACHLOROETHENE
Concen: 0.1463 PPBV
RT: 8.920 min Scan# 2747
Delta R.T. 0.013 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:164 Resp: 2447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 97.9 | 68.9 | 127.9 |
| 168 | 60.8 | 42.3 | 78.5 |
| 131 | 96.9 | 68.0 | 126.2 |

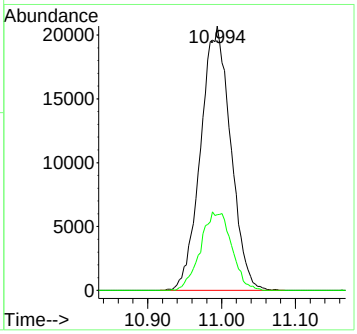


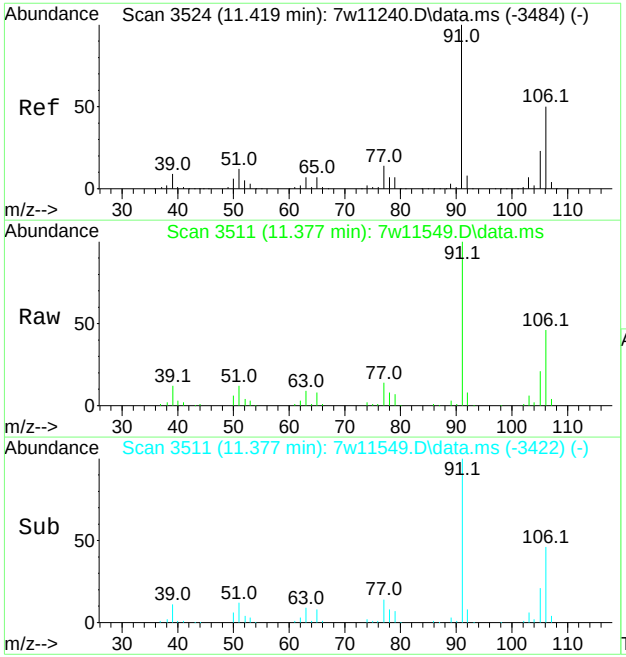




#79
ETHYLBENZENE
Concen: 0.9976 PPBV
RT: 10.994 min Scan# 3392
Delta R.T. 0.006 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 58438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 1.6 | 61.6 |

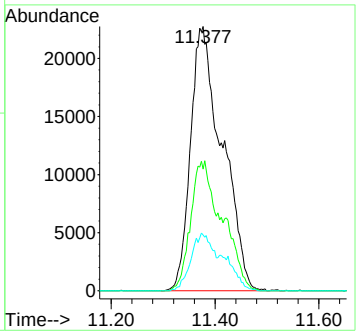


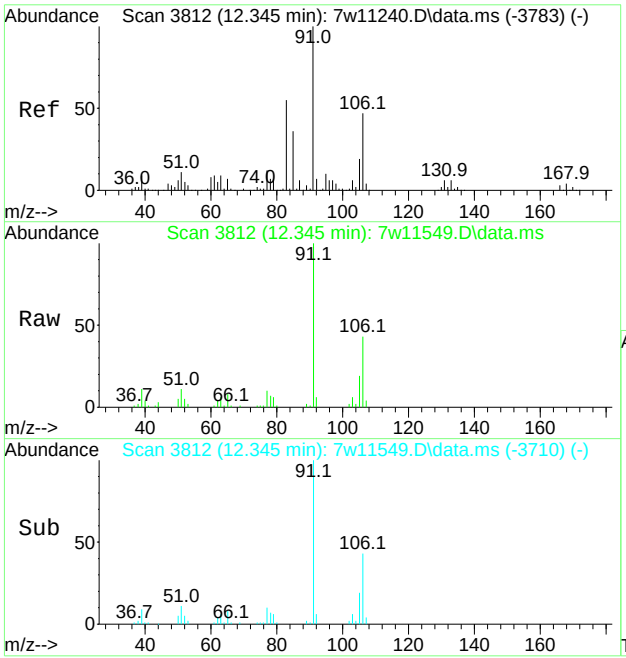



#80
M,P-XYLENE
Concen: 2.1003 PPBV
RT: 11.377 min Scan# 3511
Delta R.T. -0.042 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 96447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 49.0 | 0.0 | 55.5 |
| 105 | 21.9 | 0.0 | 41.7 |

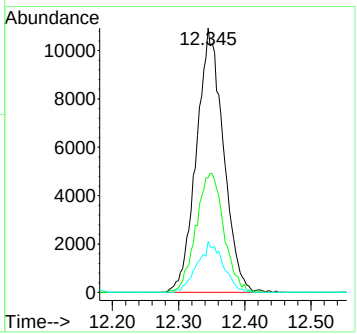


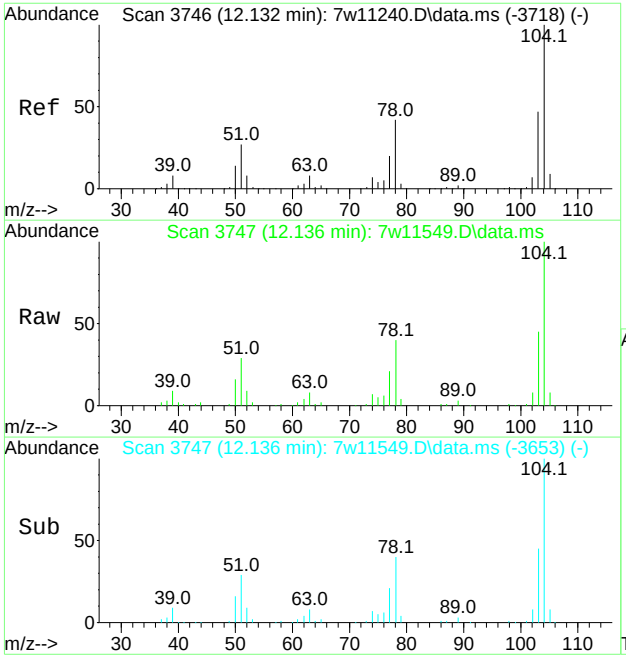




#81
O-XYLENE
Concen: 0.6698 PPBV
RT: 12.345 min Scan# 3812
Delta R.T. -0.000 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion: 91 Resp: 30892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 43.3 | 32.7 | 60.7 |
| 105 | 19.3 | 13.2 | 24.6 |

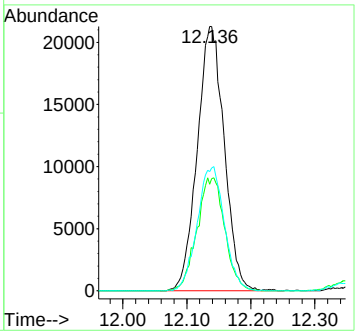





#82
STYRENE
Concen: 1.8879 PPBV
RT: 12.136 min Scan# 3747
Delta R.T. 0.004 min
Lab File: 7w11549.D
Acq: 7 Jan 2025 6:24 am

Tgt Ion:104 Resp: 62357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 44.1 | 30.0 | 55.6 |
| 103 | 47.2 | 33.0 | 61.4 |



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 01/08/25 23:36

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

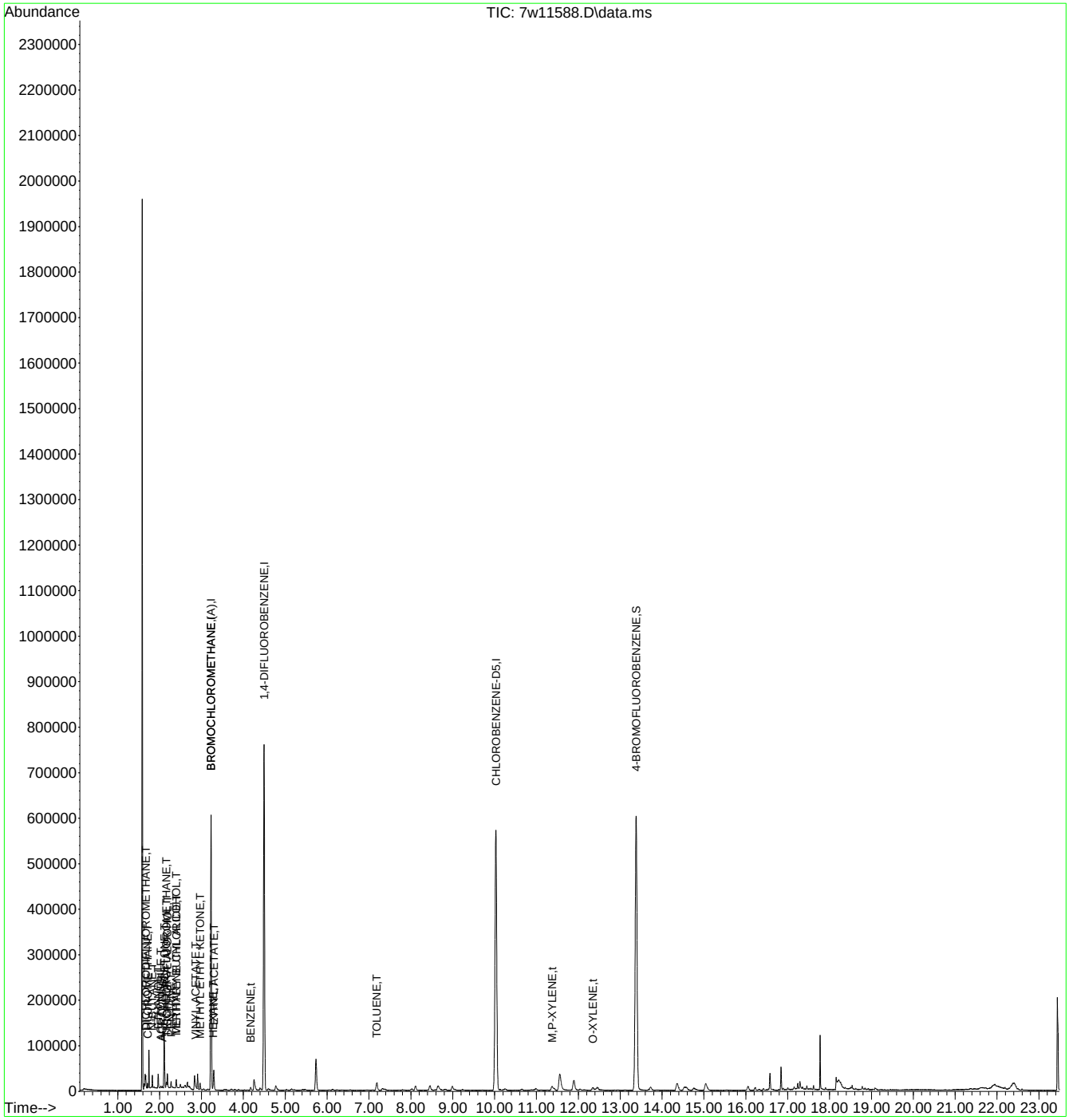
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 111063 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.492 | 114 | 543160 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.029 | 117 | 515473 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 111063 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.380 | 95 | 385777 | 10.31 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 6) DICHLORODIFLUOROMETHANE | 1.666 | 85 | 11009 | 0.3976 | PPBV # | 94 |
| 10) CHLOROMETHANE | 1.711 | 52 | 1866 | 0.6491 | PPBV | 95 |
| 13) N-BUTANE | 1.824 | 43 | 12305 | 0.8543 | PPBV # | 89 |
| 17) ACETONITRILE | 2.026 | 41 | 2455m | 0.2750 | PPBV | |
| 18) ACROLEIN | 2.065 | 56 | 1737 | 0.3705 | PPBV | 79 |
| 21) TRICHLOROFLUOROMETHANE | 2.158 | 101 | 5224 | 0.2142 | PPBV | 97 |
| 22) ISOPROPYL ALCOHOL | 2.184 | 45 | 21081 | 1.0246 | PPBV | 99 |
| 23) ACETONE | 2.110 | 58 | 37099 | 5.7492 | PPBV # | 29 |
| 24) PENTANE | 2.271 | 42 | 3224 | 0.3262 | PPBV | 93 |
| 28) ETHANOL | 1.965 | 45 | 17173 | 3.0490 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 2.399 | 84 | 2787 | 0.3170 | PPBV | 90 |
| 35) TERTIARY BUTYL ALCOHOL | 2.393 | 59 | 4170 | 0.1762 | PPBV # | 43 |
| 38) HEXANE | 3.277 | 57 | 3052 | 0.1669 | PPBV | 82 |
| 39) VINYL ACETATE | 2.856 | 86 | 1191 | 0.4389 | PPBV | 90 |
| 41) METHYL ETHYL KETONE | 2.968 | 72 | 2912 | 0.5902 | PPBV | 99 |
| 44) ETHYL ACETATE | 3.293 | 61 | 4963 | 1.4161 | PPBV # | 1 |
| 51) BENZENE | 4.174 | 78 | 4693 | 0.1582 | PPBV | 96 |
| 66) TOLUENE | 7.184 | 91 | 16308 | 0.4249 | PPBV | 99 |
| 80) M,P-XYLENE | 11.373 | 91 | 9512 | 0.2390 | PPBV # | 58 |
| 81) O-XYLENE | 12.347 | 91 | 3961 | 0.0991 | PPBV # | 84 |

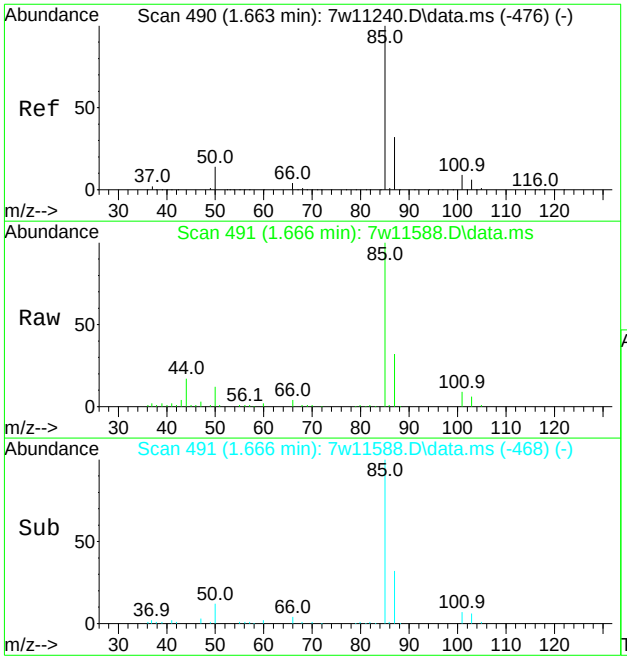
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je3433-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 03:55:31 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

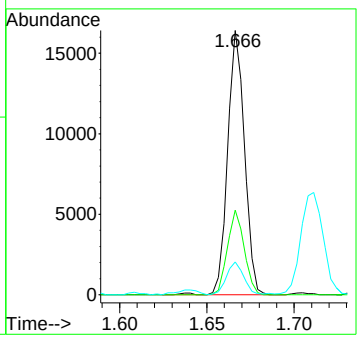


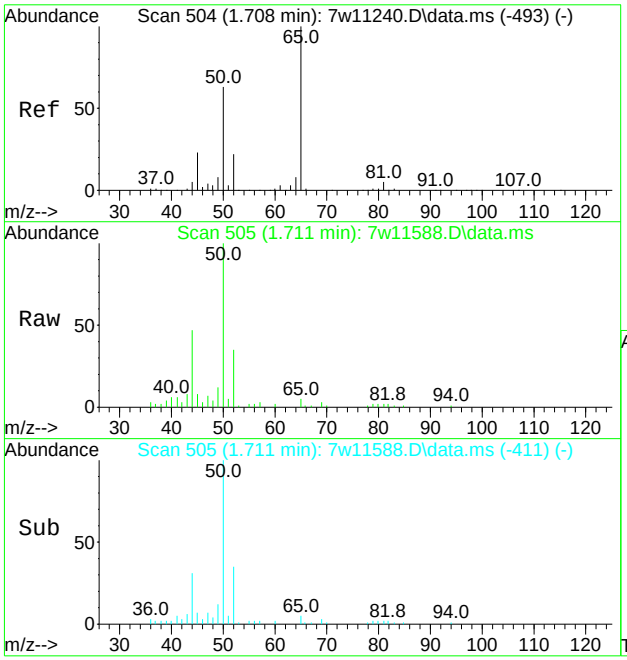



#6
DICHLORODIFLUOROMETHANE
Concen: 0.3976 PPBV
RT: 1.666 min Scan# 491
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 85 Resp: 11009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 22.5 | 41.7 |
| 50 | 12.8 | 13.8 | 25.6# |

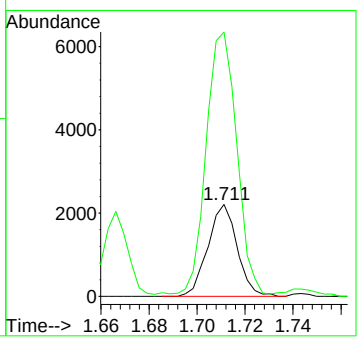


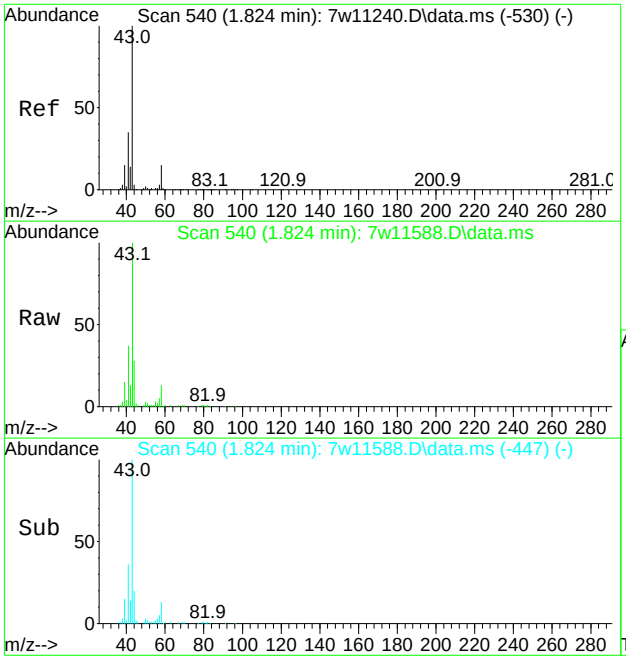




#10
CHLOROMETHANE
Concen: 0.6491 PPBV
RT: 1.711 min Scan# 505
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 52 Resp: 1866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 303.6 | 220.1 | 408.8 |

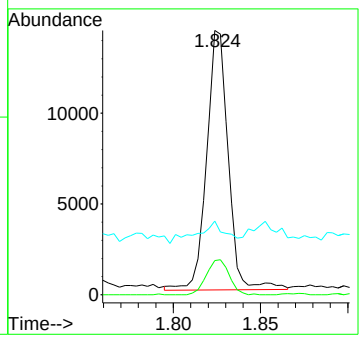


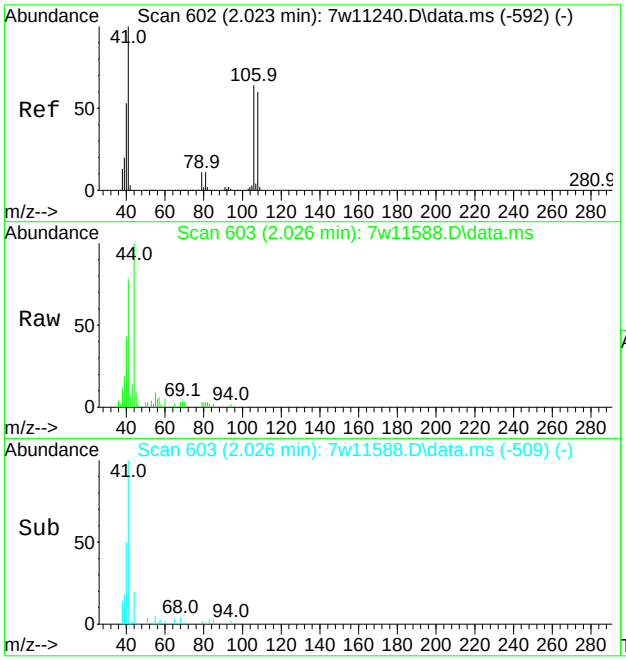



#13
N-BUTANE
Concen: 0.8543 PPBV
RT: 1.824 min Scan# 540
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 43 Resp: 12305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.3 | 10.4 | 19.2 |
| 44 | 19.3 | 3.0 | 5.6# |

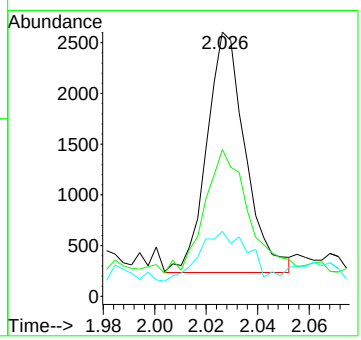


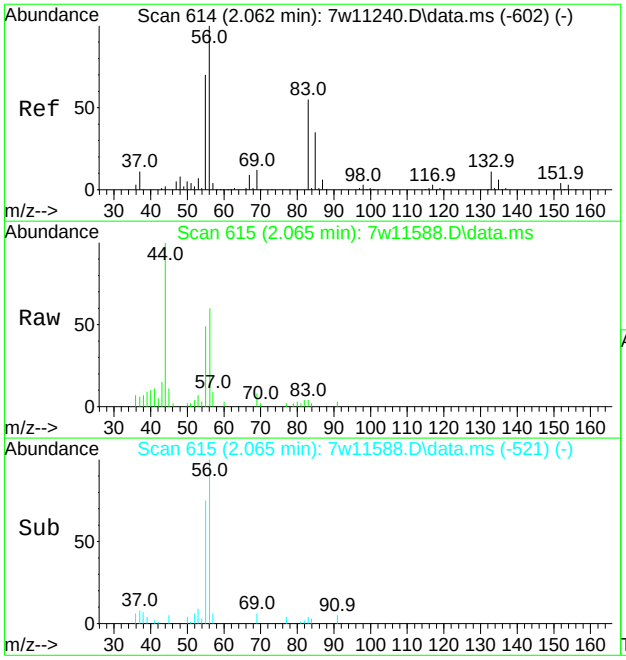




#17
ACETONITRILE
Concen: 0.2750 PPBV m
RT: 2.026 min Scan# 603
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 41 Resp: 2455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 11.9 | 37.9 | 70.5# |
| 39 | 4.0 | 13.8 | 25.6# |

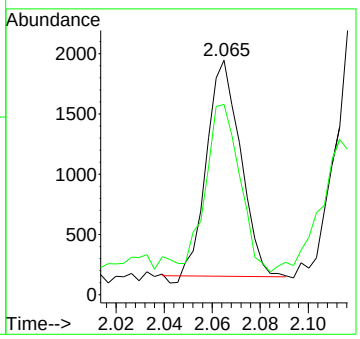


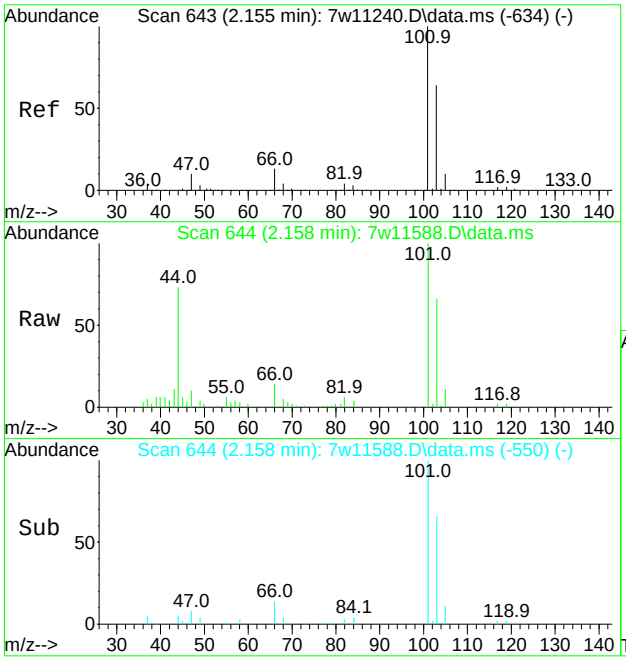



#18
ACROLEIN
Concen: 0.3705 PPBV
RT: 2.065 min Scan# 615
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 56 Resp: 1737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 89.2 | 50.3 | 93.3 |

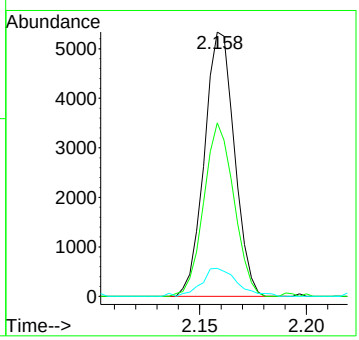


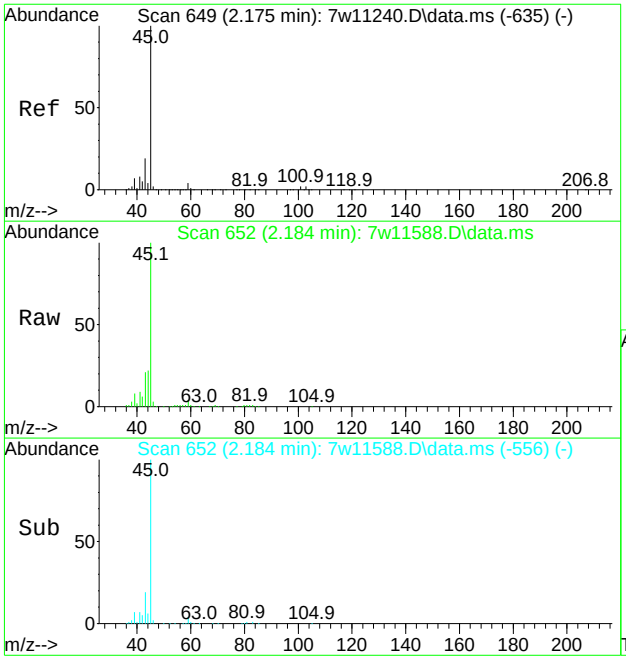




#21
TRICHLOROFLUOROMETHANE
Concen: 0.2142 PPBV
RT: 2.158 min Scan# 644
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion:101 Resp: 5224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.5 | 44.9 | 83.5 |
| 105 | 12.7 | 7.3 | 13.5 |

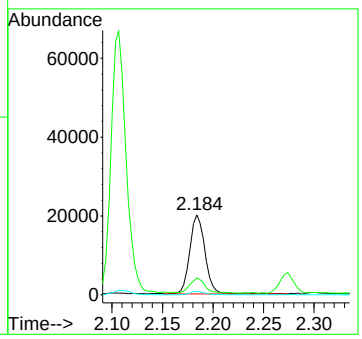


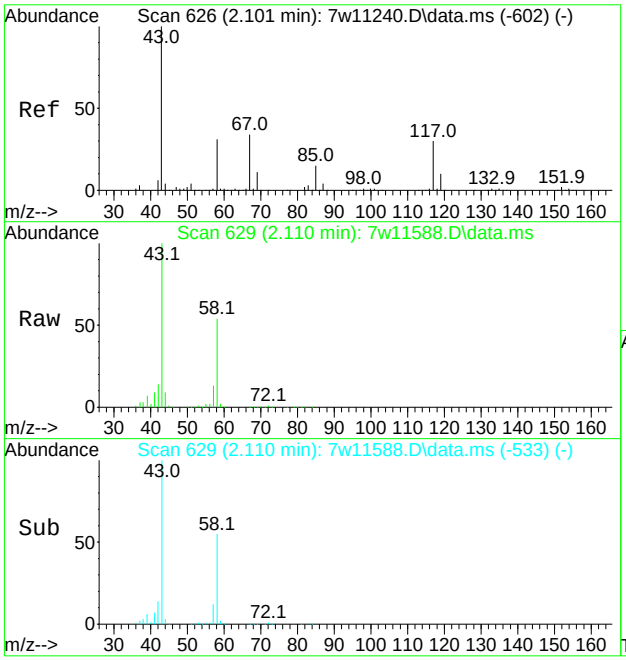



#22
ISOPROPYL ALCOHOL
Concen: 1.0246 PPBV
RT: 2.184 min Scan# 652
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 21081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 20.2 | 13.9 | 25.9 |
| 59 | 4.4 | 2.8 | 5.2 |

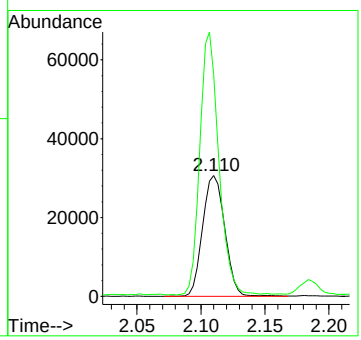


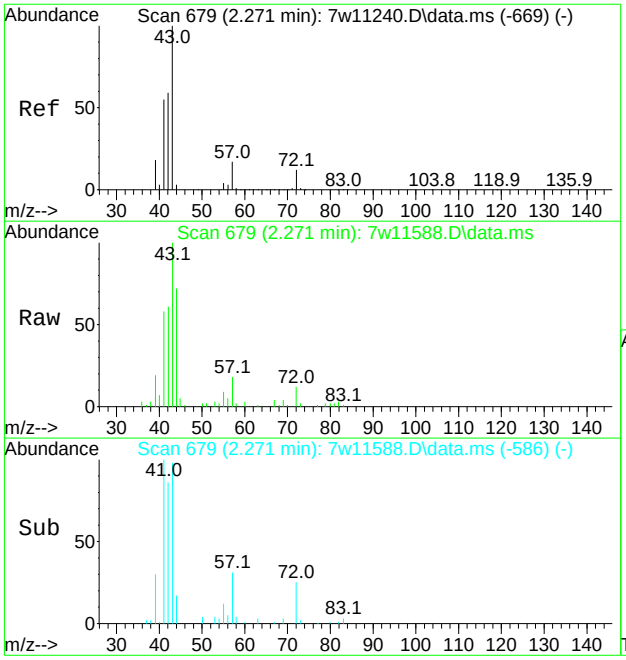




#23
ACETONE
Concen: 5.7492 PPBV
RT: 2.110 min Scan# 629
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 58 Resp: 37099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 185.5 | 234.4 | 435.2# |

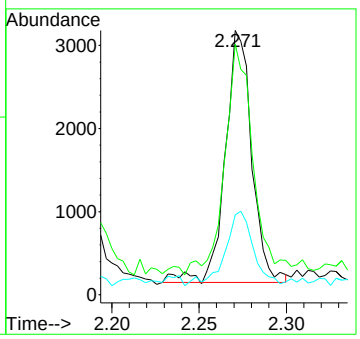


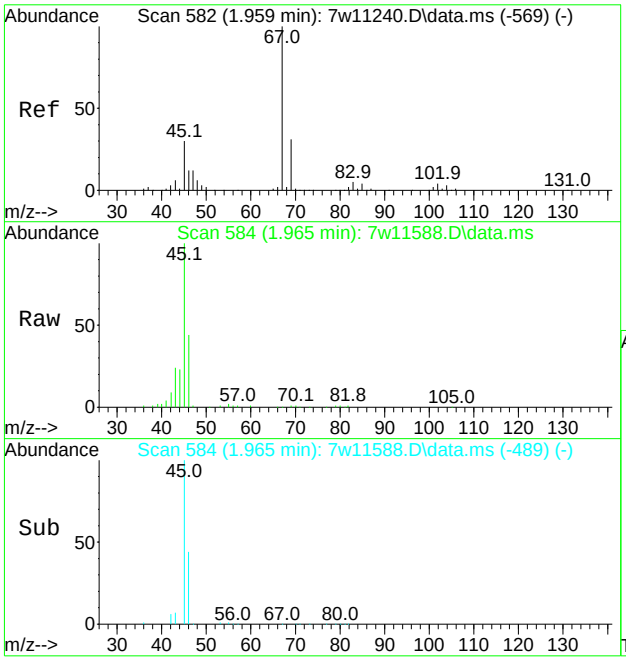



#24
PENTANE
Concen: 0.3262 PPBV
RT: 2.271 min Scan# 679
Delta R.T. -0.000 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 42 Resp: 3224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 98.3 | 64.8 | 120.3 |
| 57 | 33.3 | 19.7 | 36.7 |

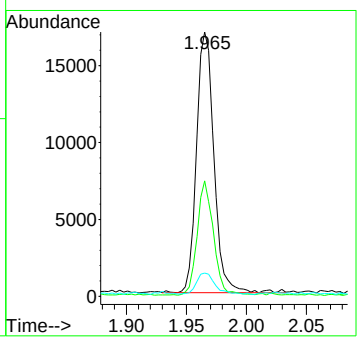


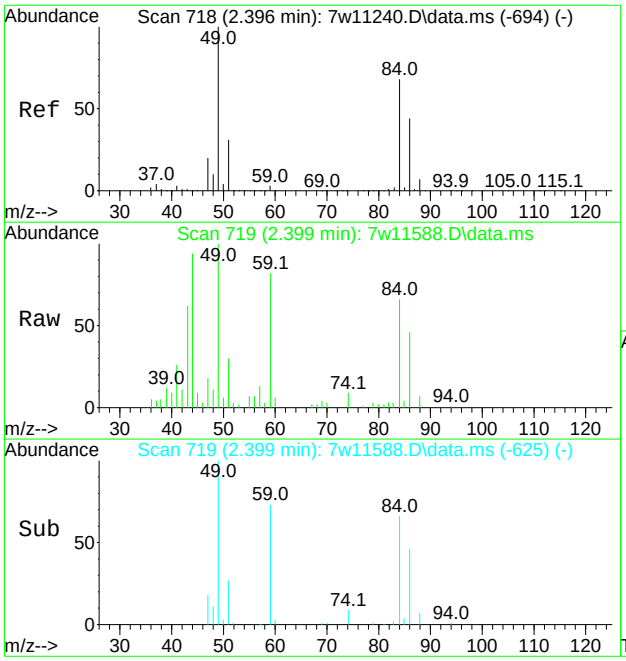




#28
ETHANOL
Concen: 3.0490 PPBV
RT: 1.965 min Scan# 584
Delta R.T. 0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 45 Resp: 17173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 40.8 | 28.6 | 53.0 |
| 42 | 9.0 | 6.3 | 11.7 |

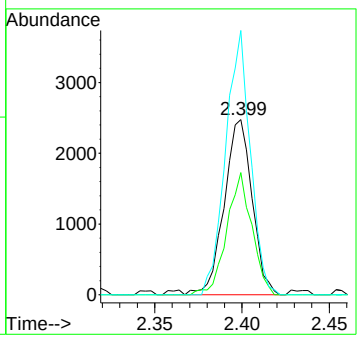


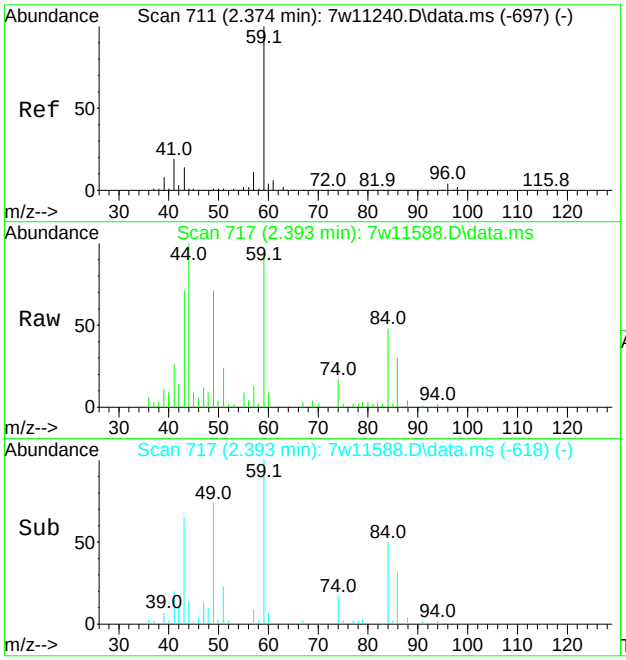



#31
METHYLENE CHLORIDE
Concen: 0.3170 PPBV
RT: 2.399 min Scan# 719
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 84 Resp: 2787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.9 | 46.0 | 85.4 |
| 49 | 132.3 | 103.9 | 192.9 |

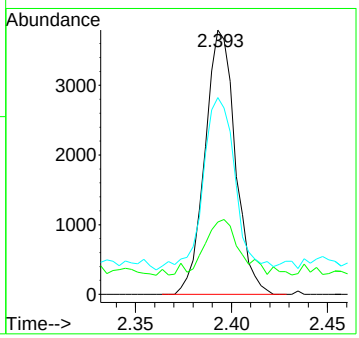


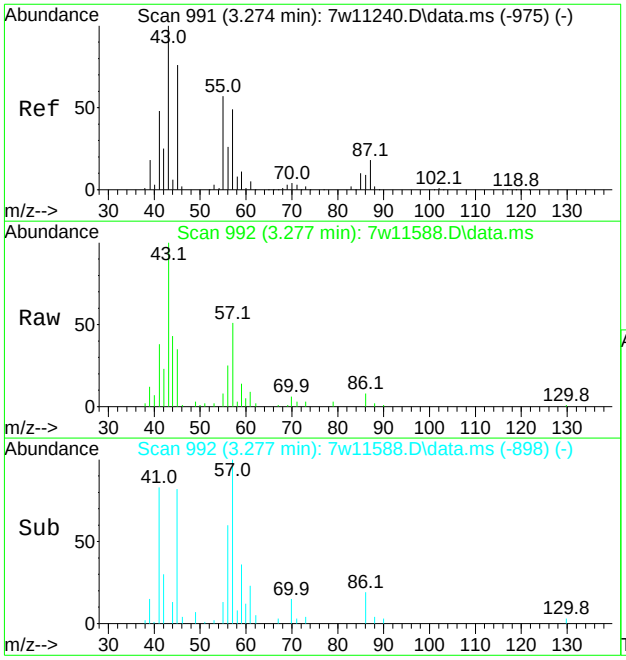




#35
TERTIARY BUTYL ALCOHOL
Concen: 0.1762 PPBV
RT: 2.393 min Scan# 717
Delta R.T. 0.019 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 59 Resp: 4170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 25.8 | 14.3 | 26.5 |
| 43 | 64.0 | 9.9 | 18.5# |

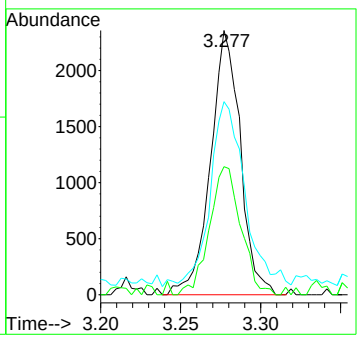


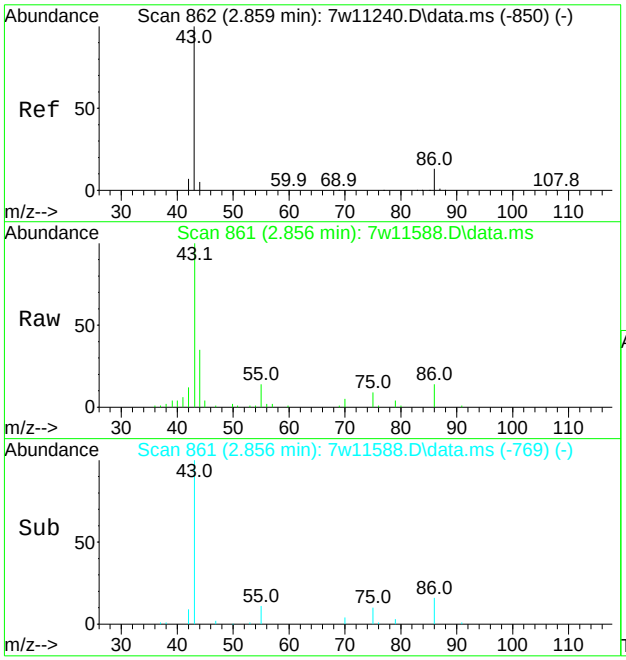



#38
HEXANE
Concen: 0.1669 PPBV
RT: 3.277 min Scan# 992
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 57 Resp: 3052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 51.3 | 37.8 | 70.2 |
| 41 | 81.6 | 75.9 | 140.9 |

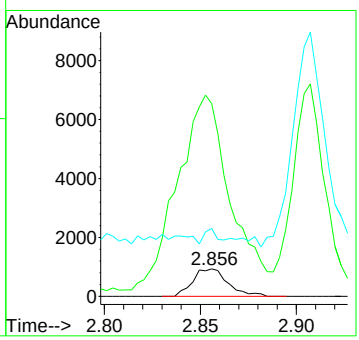


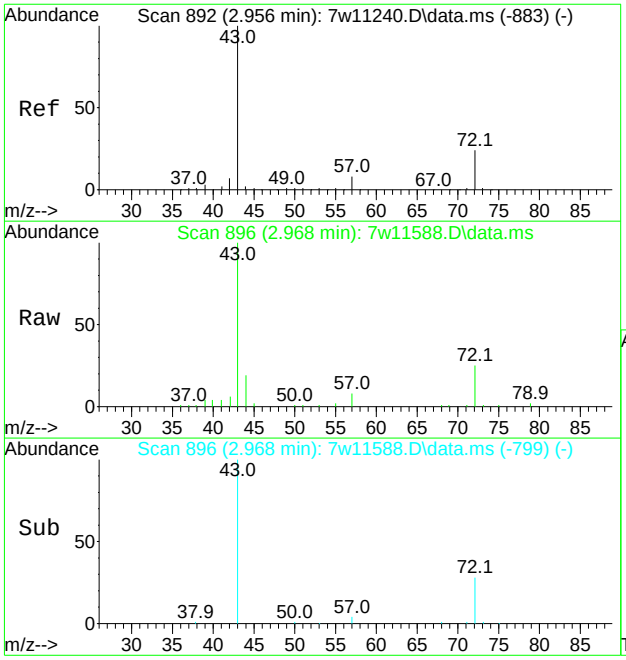




#39
VINYL ACETATE
Concen: 0.4389 PPBV
RT: 2.856 min Scan# 861
Delta R.T. -0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 86 Resp: 1191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1075.1 | 719.4 | 1336.0 |
| 44 | 48.9 | 34.6 | 64.2 |

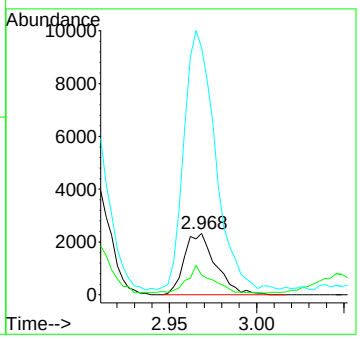


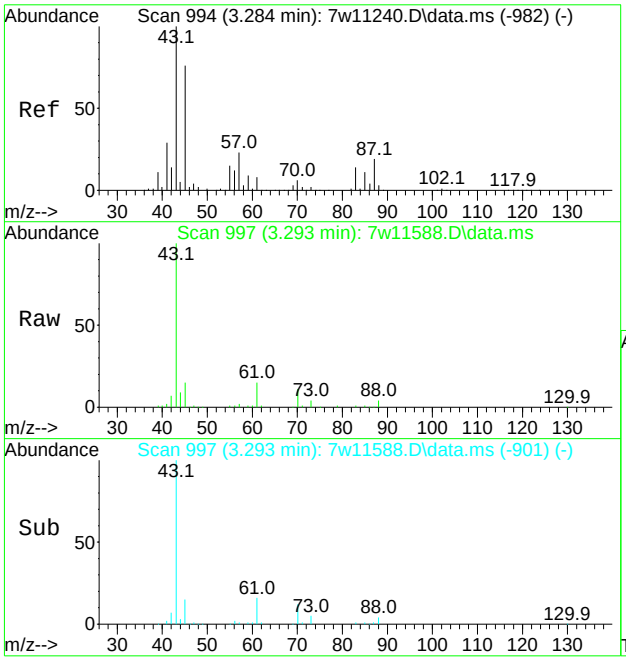



#41
METHYL ETHYL KETONE
Concen: 0.5902 PPBV
RT: 2.968 min Scan# 896
Delta R.T. 0.012 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 72 Resp: 2912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 43.2 | 25.3 | 46.9 |
| 43 | 429.4 | 299.6 | 556.4 |

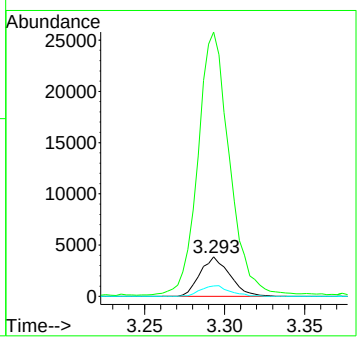


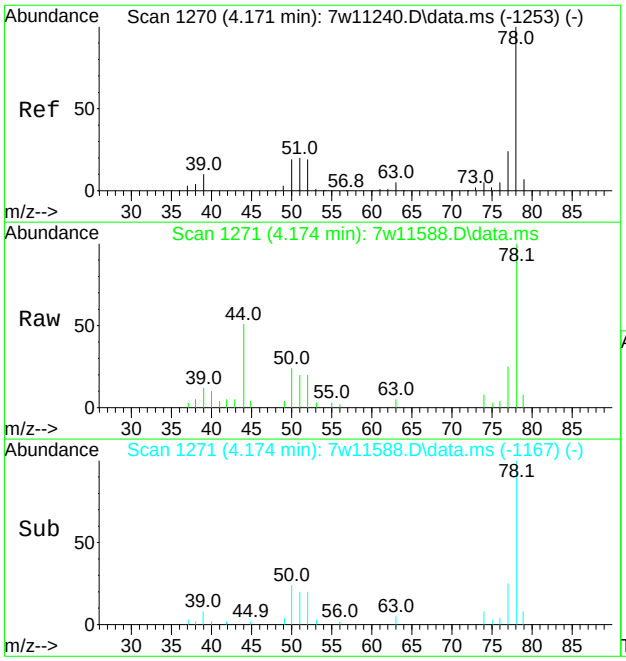




#44
ETHYL ACETATE
Concen: 1.4161 PPBV
RT: 3.293 min Scan# 997
Delta R.T. 0.009 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 61 Resp: 4963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 708.0 | 1005.1 | 1866.5# |
| 88 | 26.9 | 29.3 | 54.5# |

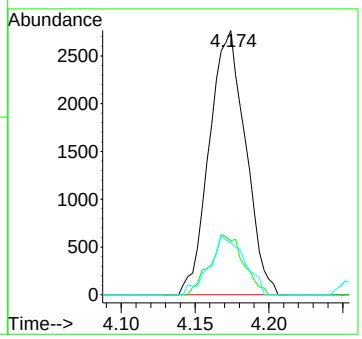


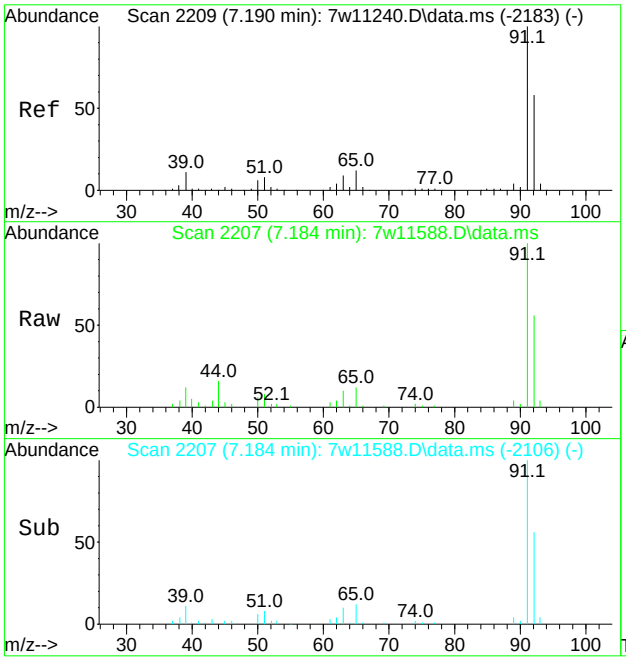



#51
BENZENE
Concen: 0.1582 PPBV
RT: 4.174 min Scan# 1271
Delta R.T. 0.003 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 78 Resp: 4693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 52 | 20.9 | 0.0 | 48.9 |
| 51 | 21.4 | 0.0 | 50.2 |

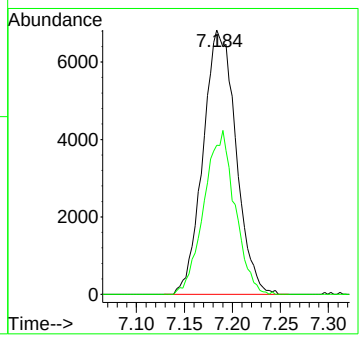


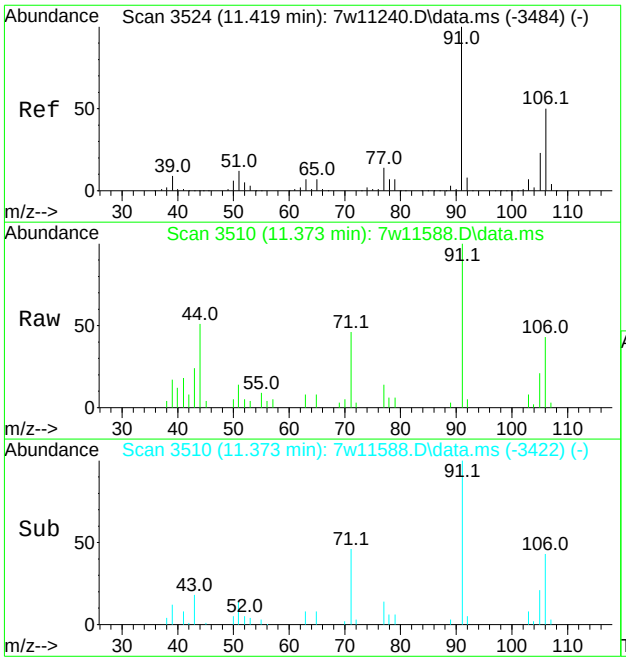




#66
TOLUENE
Concen: 0.4249 PPBV
RT: 7.184 min Scan# 2207
Delta R.T. -0.006 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 16308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.1 | 29.0 | 89.0 |

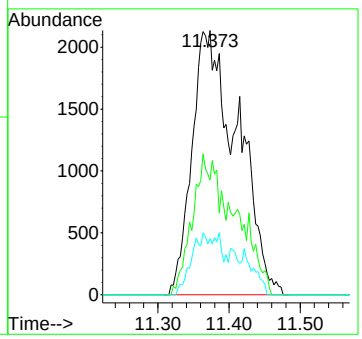


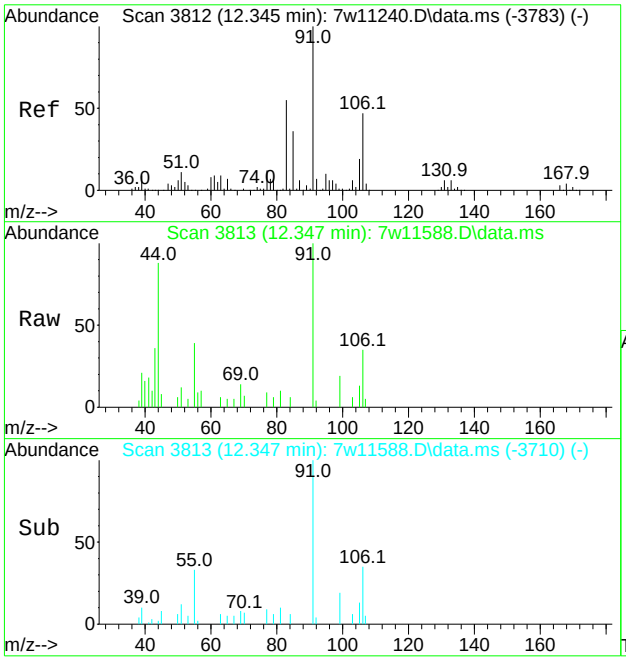



#80
M,P-XYLENE
Concen: 0.2390 PPBV
RT: 11.373 min Scan# 3510
Delta R.T. -0.046 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 9512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 49.4 | 0.0 | 55.5 |
| 105 | 0.0 | 0.0 | 41.7 |

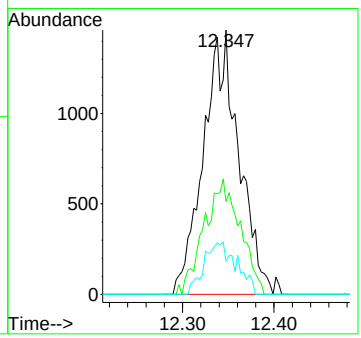



#81
O-XYLENE
Concen: 0.0991 PPBV
RT: 12.347 min Scan# 3813
Delta R.T. 0.002 min
Lab File: 7w11588.D
Acq: 8 Jan 2025 3:57 pm

Tgt Ion: 91 Resp: 3961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 35.1 | 32.7 | 60.7 |
| 105 | 12.5 | 13.2 | 24.6# |



# Manual Integration Approval Summary



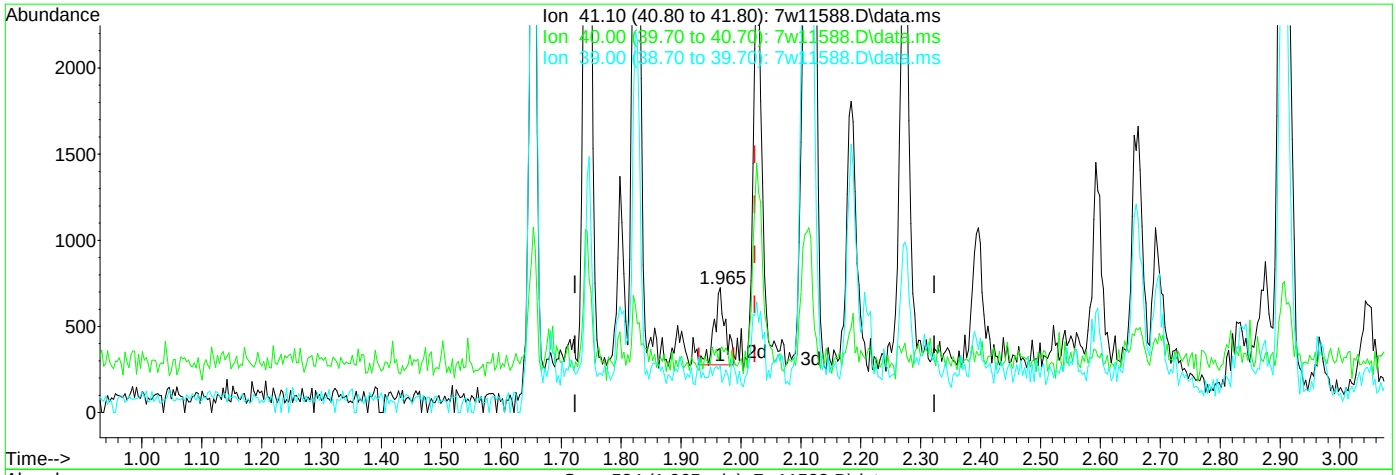
**Sample Number:** JE3433-3DUP
**Lab FileID:** 7W11588.D
**Injection Time:** 01/08/25 15:57
**Method:** TO-15
**Analyst approved:** 01/08/25 22:58 Kristel Valladolid
**Supervisor approved:** 01/08/25 23:36 Kanya Veerawat

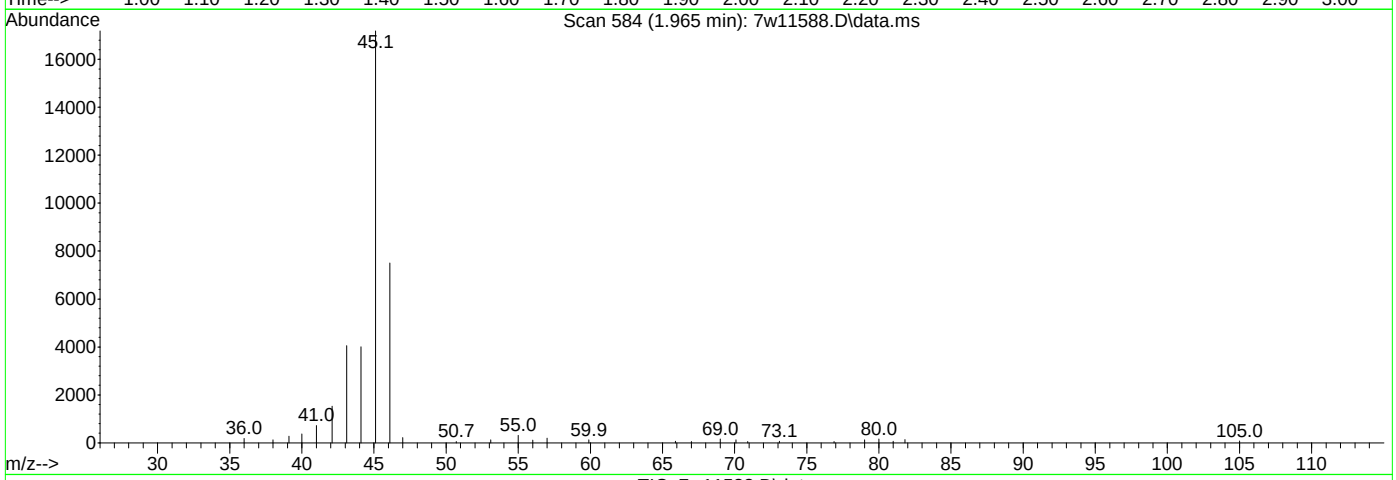
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Acetonitrile | 75-05-8 | | 2.03 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\kristelv\010925\v7w415\
Data File : 7w11588.D
Acq On : 8 Jan 2025 3:57 pm
Operator : benk
Sample : je34331-3dup Inst : MS7W
Misc : MS88599,v7w415,400,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 09 02:46:55 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration




TIC: 7w11588.D\data.ms

(17) ACETONITRILE (T)

1.965min (-0.058) 0.07PPBV

response 582

| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.20 | 50.34 |
| 39.00 | 19.70 | 16.67 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

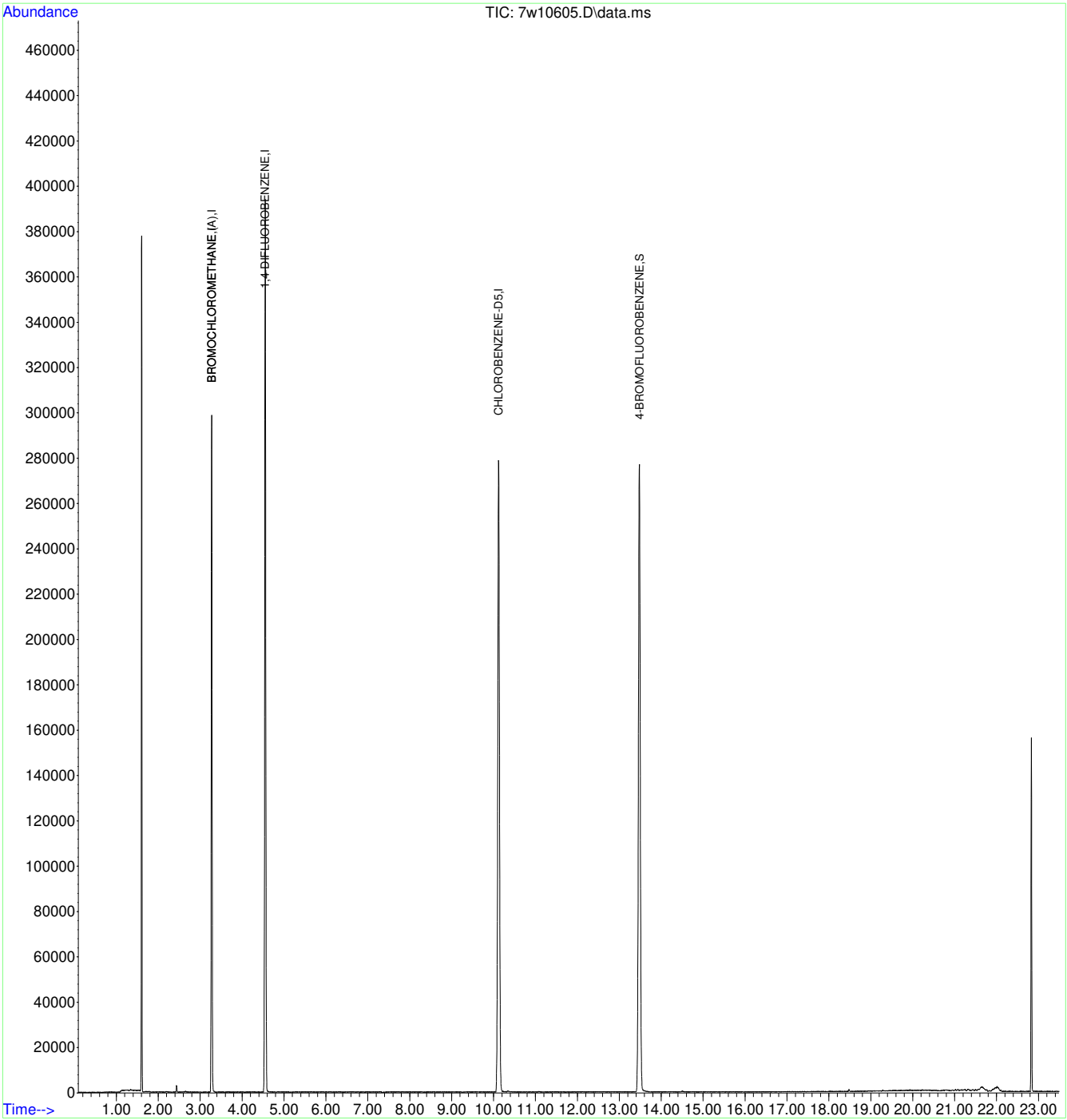
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 303415 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 282366 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 61555 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 175288 | 8.46 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10605.D
Acq On : 19 Nov 2024 4:48 am
Operator : thomash
Sample : scc(a779),cp12922
Misc : MS86930,v7w387,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 11:41:48 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

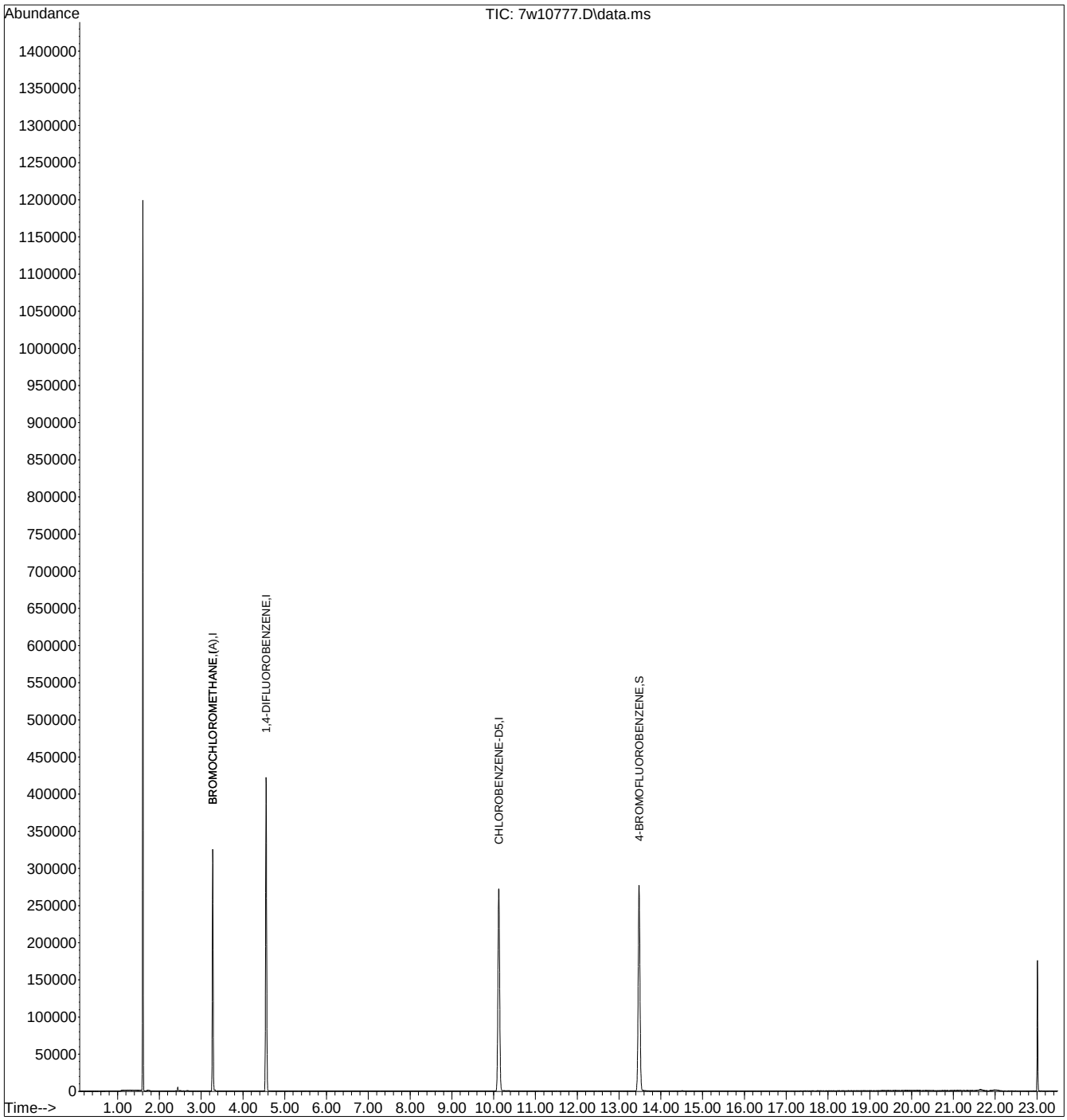
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 294531 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 228023 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 55670 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 166608 | 9.96 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-26-2024\V7W392\
Data File : 7w10777.D
Acq On : 26 Nov 2024 6:47 am
Operator : williamc
Sample : scc(a1858),cp12926 Inst : MS7W
Misc : MS87406,v7w392,,,,,1
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 26 14:46:34 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10831.D
Acq On : 28 Nov 2024 7:35 am
Operator : benk
Sample : scc(a792),cp12897
Misc : MS87455,v7w394,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 28 16:35:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

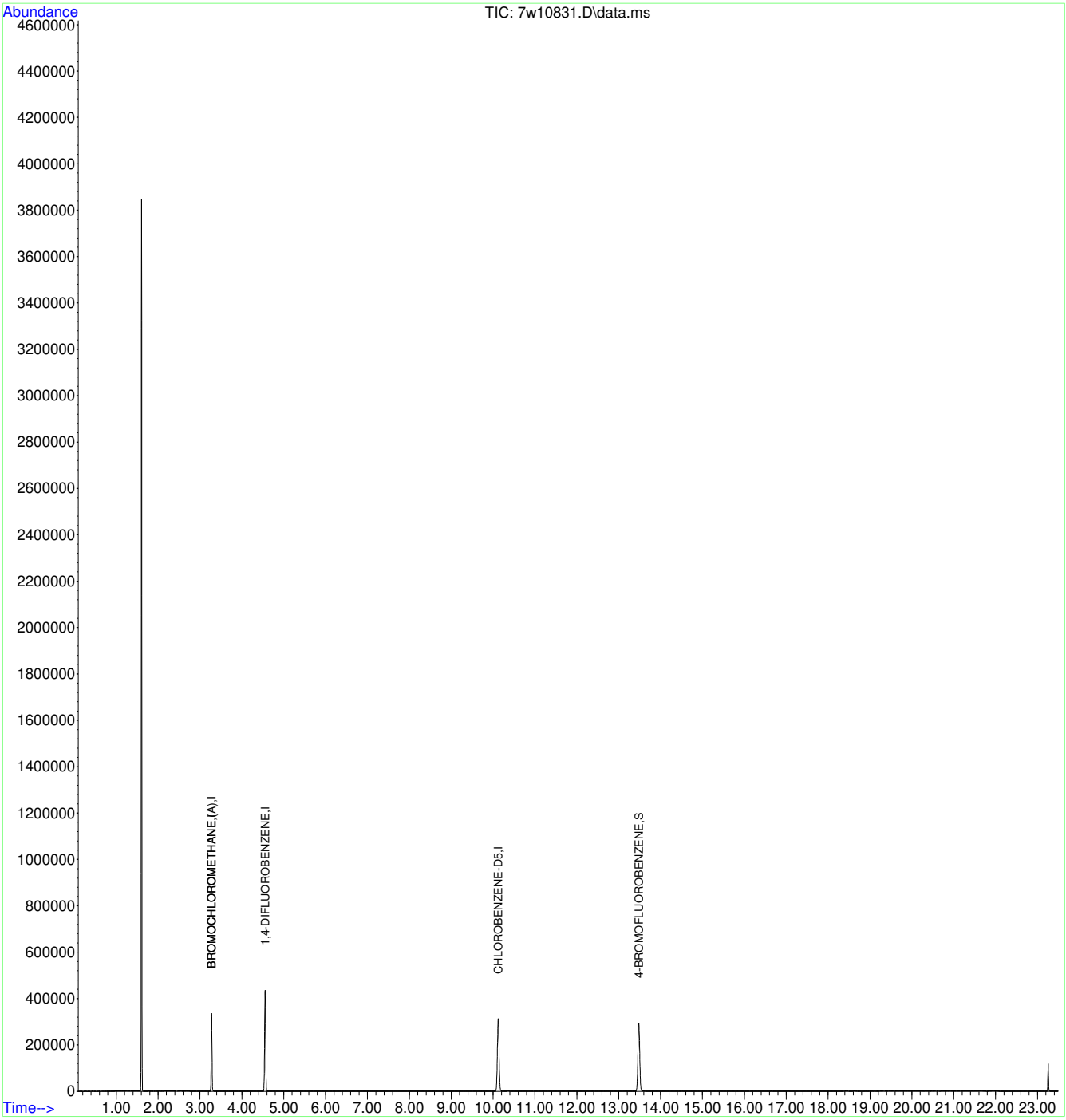
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 62374 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.557 | 114 | 337223 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 288734 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 62374 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 194803 | 9.20 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10831.D
Acq On : 28 Nov 2024 7:35 am
Operator : benk
Sample : scc(a792),cp12897
Misc : MS87455,v7w394,,,,,1
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 28 16:35:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55670a.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : scc(a1800),cp12944 Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

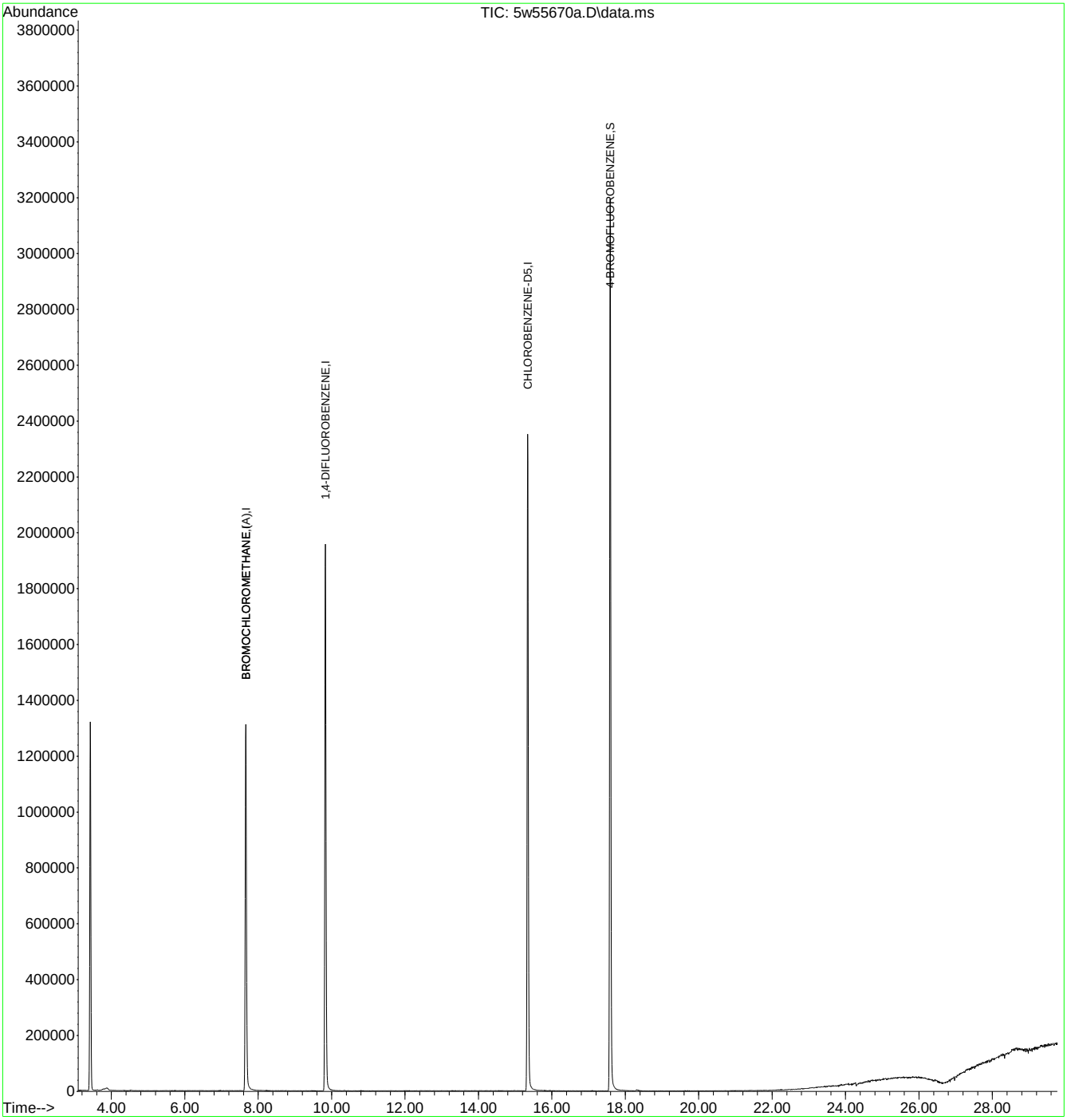
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.828 | 114 | 1652348 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.340 | 82 | 979891 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 351933 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1238048 | 11.29 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 112.90% | | | |
| Target Compounds | | | | | | Qvalue |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : R:\MSAIR\Done\2024\December\17 Dec 2024\v5w2132\
Data File : 5w55670a.D
Acq On : 16 Dec 2024 6:38 pm
Operator : thomash
Sample : scc(a1800),cp12944 Inst : GCMS5W
Misc : MS87842,V5W2132,,,,,1
ALS Vial : 3 Sample Multiplier: 1

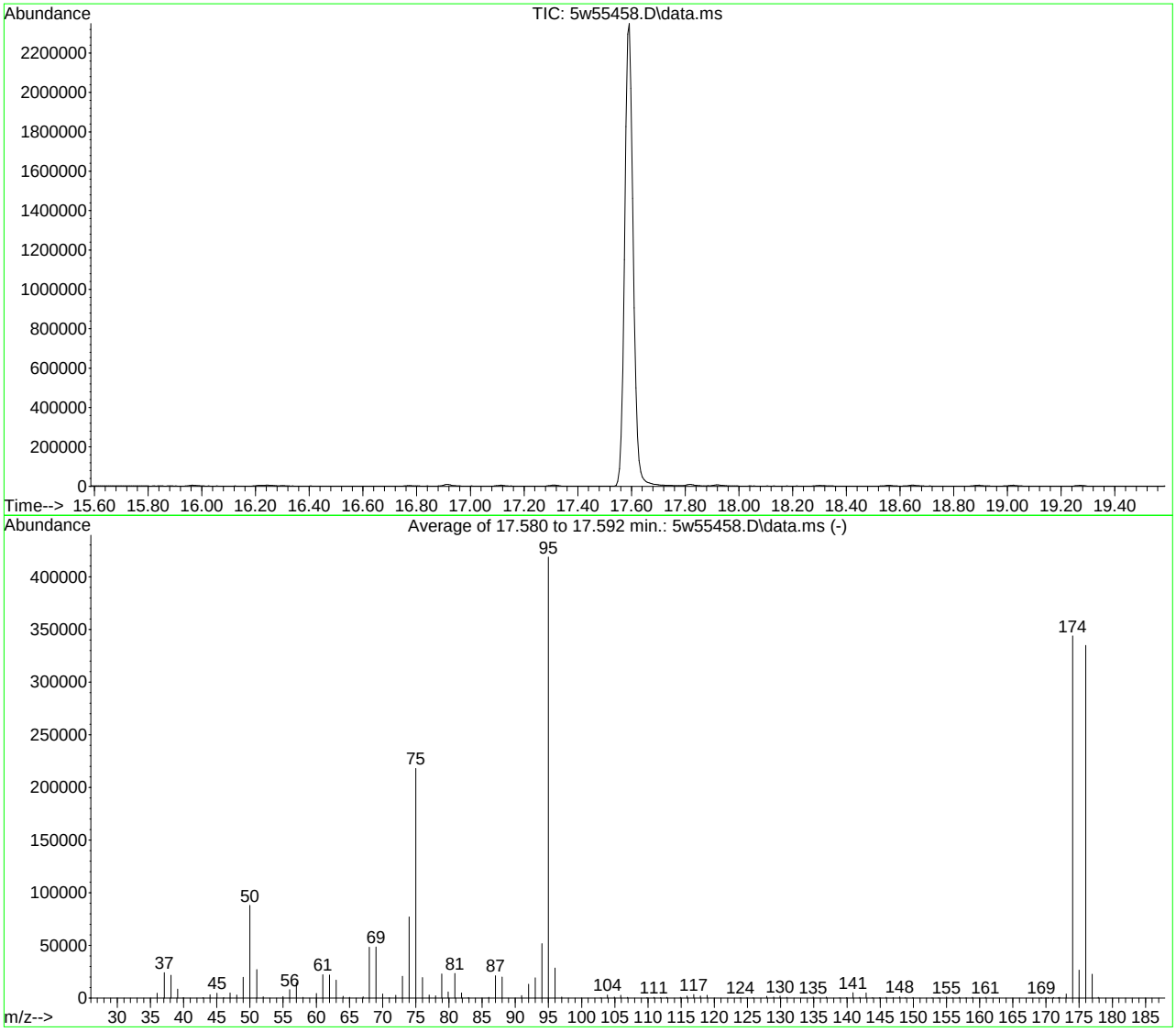
Quant Time: Dec 17 11:35:09 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



BFB

Data File : C:\msdchem\1\DATA\5w55458.D  Vial: 3
Acq On : 9 Dec 2024 3:34 am  Operator: benk
Sample : bfb  Inst : GCMS5W
Misc : MS74484,V5W2125,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2360

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.0 | 87907 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 218027 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 418581 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 28349 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 3695 | PASS |
| 174 | 95 | 50 | 120 | 82.1 | 343765 | PASS |
| 175 | 174 | 4 | 9 | 7.7 | 26424 | PASS |
| 176 | 174 | 93 | 101 | 97.4 | 334720 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 22512 | PASS |

5w55458.D M5w2125.M Mon Dec 09 16:30:13 2024

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 4407 | 49.00 | 19752 | 63.00 | 17050 | 75.00 | 218027 |
| 37.10 | 24149 | 50.00 | 87907 | 64.05 | 1657 | 76.00 | 19280 |
| 38.10 | 21723 | 51.05 | 26971 | 65.00 | 509 | 77.00 | 2866 |
| 39.10 | 8398 | 52.00 | 1164 | 67.05 | 1085 | 78.00 | 2061 |
| 39.95 | 461 | 55.00 | 1419 | 68.00 | 48216 | 78.90 | 22733 |
| 42.95 | 285 | 56.00 | 7959 | 69.00 | 48400 | 79.90 | 5787 |
| 44.00 | 3174 | 57.00 | 14433 | 70.00 | 3854 | 80.90 | 23309 |
| 45.05 | 4430 | 58.00 | 691 | 71.00 | 83 | 81.90 | 4746 |
| 46.05 | 362 | 60.00 | 4331 | 72.00 | 2495 | 82.95 | 482 |
| 47.00 | 4807 | 61.00 | 22131 | 73.00 | 20691 | 86.00 | 549 |
| 48.00 | 2719 | 62.00 | 21965 | 74.00 | 77016 | 87.00 | 21008 |

Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 88.00 | 20003 | 105.90 | 2548 | 123.95 | 315 | 140.90 | 5011 |
| 90.95 | 2215 | 106.90 | 509 | 124.90 | 140 | 141.90 | 497 |
| 92.00 | 13106 | 109.85 | 391 | 125.85 | 219 | 142.90 | 4891 |
| 93.00 | 19059 | 110.90 | 592 | 127.90 | 1613 | 143.85 | 348 |
| 94.00 | 51672 | 111.90 | 484 | 128.95 | 795 | 144.95 | 461 |
| 95.00 | 418581 | 112.85 | 566 | 129.90 | 1786 | 145.90 | 568 |
| 96.00 | 28349 | 114.90 | 530 | 130.90 | 598 | 146.95 | 297 |
| 97.00 | 848 | 115.90 | 1936 | 134.90 | 880 | 147.95 | 1090 |
| 102.85 | 239 | 116.90 | 3369 | 136.90 | 963 | 148.80 | 258 |
| 103.90 | 2733 | 117.90 | 1949 | 138.90 | 79 | 149.95 | 436 |
| 104.95 | 754 | 118.90 | 2572 | 139.95 | 354 | 152.85 | 248 |

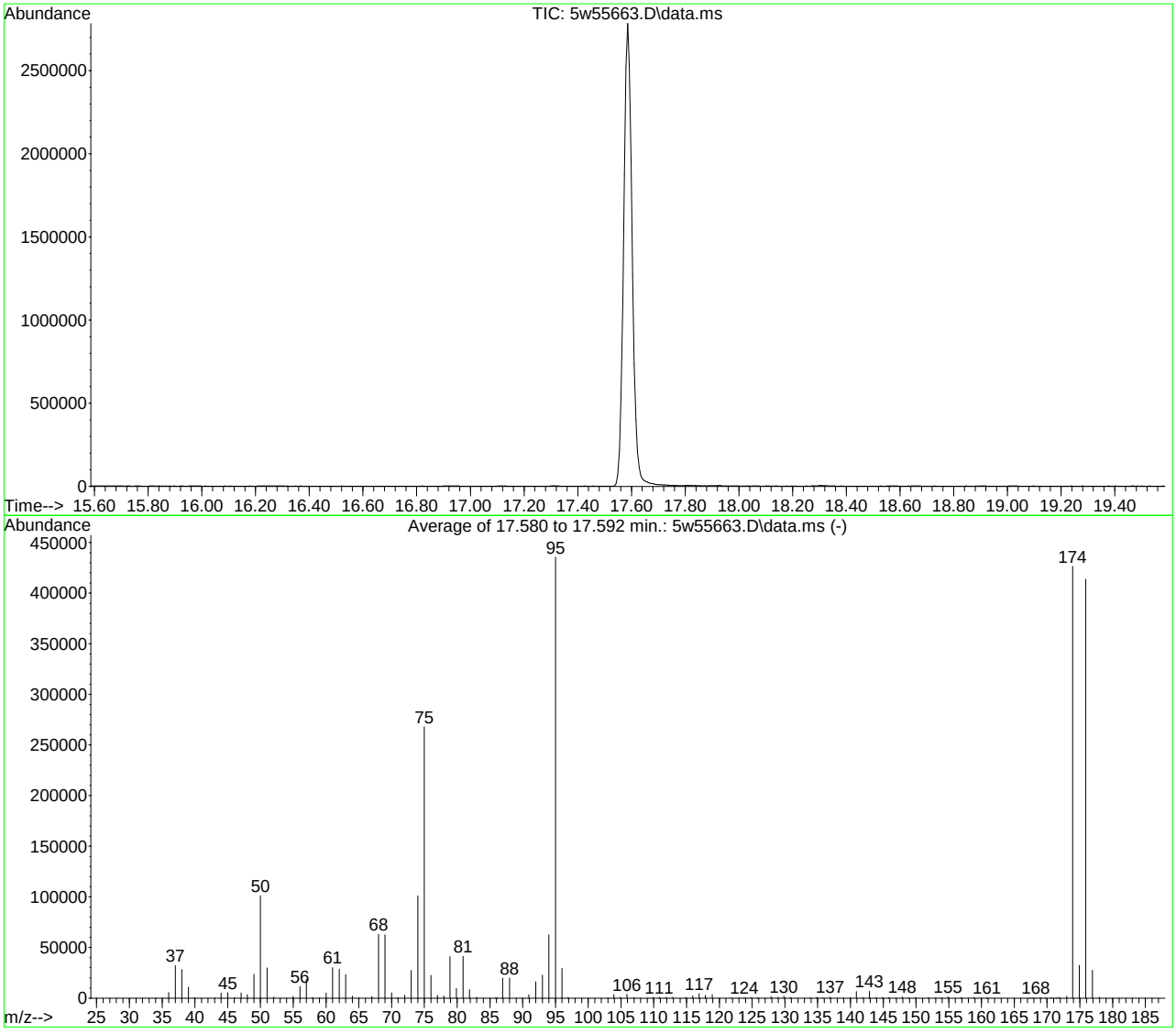
Average of 17.580 to 17.592 min.: 5w55458.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 153.80 | 101 | 171.90 | 416 | | | | |
| 155.00 | 926 | 172.05 | 748 | | | | |
| 155.90 | 138 | 173.05 | 3695 | | | | |
| 156.95 | 736 | 174.00 | 343765 | | | | |
| 157.95 | 174 | 175.00 | 26424 | | | | |
| 158.90 | 535 | 176.00 | 334720 | | | | |
| 160.90 | 542 | 176.95 | 22512 | | | | |
| 169.30 | 75 | 177.90 | 590 | | | | |
| 170.00 | 113 | | | | | | |
| 170.35 | 183 | | | | | | |
| 171.15 | 260 | | | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55663.D  Vial: 2
Acq On : 16 Dec 2024 12:41 pm  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS87926,V5W2132,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 101069 | PASS |
| 75 | 95 | 30 | 66 | 61.5 | 267968 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 435499 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 29261 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 1816 | PASS |
| 174 | 95 | 50 | 120 | 97.9 | 426539 | PASS |
| 175 | 174 | 4 | 9 | 7.6 | 32493 | PASS |
| 176 | 174 | 93 | 101 | 97.0 | 413696 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 27451 | PASS |

5w55663.D M5w2125.M Mon Dec 16 17:29:06 2024

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 34.10 | 86 | 48.00 | 3371 | 61.00 | 30011 | 72.00 | 3024 |
| 36.00 | 5425 | 49.00 | 23563 | 62.00 | 28456 | 73.00 | 27336 |
| 37.00 | 32187 | 50.00 | 101069 | 63.00 | 23296 | 74.00 | 101051 |
| 38.00 | 28197 | 51.00 | 29917 | 64.00 | 1928 | 75.00 | 267968 |
| 39.00 | 10711 | 52.05 | 1206 | 65.05 | 371 | 76.00 | 22512 |
| 39.90 | 483 | 54.95 | 1691 | 67.00 | 1565 | 77.00 | 2805 |
| 43.05 | 482 | 56.00 | 11540 | 68.00 | 63109 | 77.95 | 2118 |
| 44.00 | 4939 | 57.00 | 18661 | 69.00 | 62448 | 78.90 | 40888 |
| 45.00 | 5452 | 57.95 | 768 | 70.00 | 5116 | 79.90 | 9546 |
| 46.05 | 565 | 58.95 | 162 | 70.80 | 85 | 80.90 | 41144 |
| 47.05 | 5252 | 60.00 | 5026 | 71.00 | 185 | 81.90 | 8204 |

Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 82.95 | 887 | 96.95 | 770 | 115.95 | 2433 | 127.90 | 1723 |
| 85.90 | 330 | 103.00 | 231 | 116.90 | 4451 | 128.95 | 807 |
| 86.10 | 233 | 103.90 | 3365 | 117.85 | 2611 | 129.85 | 1977 |
| 86.95 | 19744 | 104.90 | 996 | 118.90 | 3540 | 130.85 | 733 |
| 88.00 | 19955 | 105.90 | 3698 | 121.80 | 67 | 133.80 | 293 |
| 90.95 | 3312 | 106.95 | 576 | 123.00 | 81 | 134.85 | 1021 |
| 92.00 | 16172 | 109.85 | 557 | 123.80 | 399 | 135.80 | 165 |
| 93.00 | 22739 | 110.85 | 945 | 124.80 | 71 | 136.90 | 1178 |
| 94.00 | 62616 | 111.85 | 681 | 125.80 | 131 | 138.90 | 162 |
| 95.00 | 435499 | 112.90 | 876 | 126.00 | 70 | 139.95 | 414 |
| 96.00 | 29261 | 114.90 | 604 | 126.95 | 139 | 140.90 | 6482 |

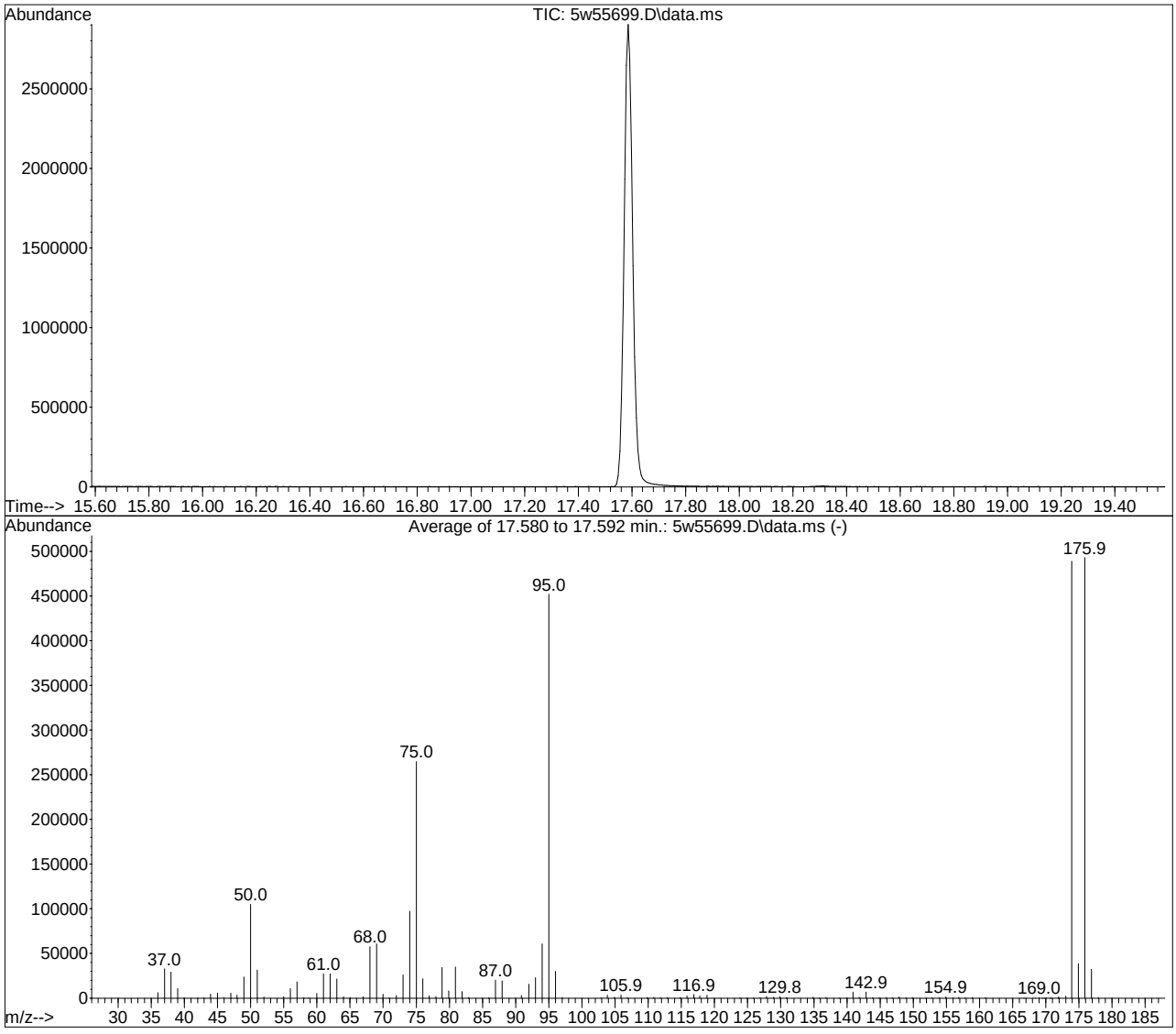
Average of 17.580 to 17.592 min.: 5w55663.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 141.85 | 720 | 153.85 | 184 | 169.70 | 481 | | |
| 142.90 | 6717 | 154.90 | 1123 | 170.65 | 770 | | |
| 143.90 | 421 | 156.90 | 727 | 171.00 | 256 | | |
| 144.90 | 659 | 158.85 | 677 | 171.40 | 332 | | |
| 145.85 | 771 | 160.85 | 595 | 171.80 | 819 | | |
| 146.90 | 180 | 167.30 | 81 | 173.00 | 1816 | | |
| 147.90 | 1131 | 167.70 | 117 | 173.90 | 426539 | | |
| 148.85 | 406 | 168.00 | 89 | 174.90 | 32493 | | |
| 149.90 | 626 | 168.30 | 209 | 175.90 | 413696 | | |
| 151.85 | 296 | 168.90 | 142 | 176.90 | 27451 | | |
| 153.00 | 232 | 169.20 | 87 | 177.95 | 825 | | |

BFB

Data File : X:\Dayton VOA GCMS\g...024\V5W2133\5w55699.D Vial: 1
Acq On : 17 Dec 2024 7:52 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 23.2 | 105096 | PASS |
| 75 | 95 | 30 | 66 | 58.6 | 264789 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 452053 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 29944 | PASS |
| 173 | 174 | 0.00 | 2 | 0.4 | 2112 | PASS |
| 174 | 95 | 50 | 120 | 108.2 | 488917 | PASS |
| 175 | 174 | 4 | 9 | 7.9 | 38499 | PASS |
| 176 | 174 | 93 | 101 | 100.8 | 492928 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 32312 | PASS |

5w55699.D M5w2125.M Wed Dec 18 19:04:06 2024

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 6122 | 47.95 | 3333 | 61.00 | 27261 | 73.00 | 25893 |
| 37.00 | 32880 | 49.00 | 23784 | 62.00 | 27029 | 74.00 | 97128 |
| 38.00 | 29173 | 50.00 | 105096 | 63.00 | 21448 | 75.00 | 264789 |
| 39.00 | 10698 | 51.00 | 31357 | 64.00 | 1715 | 76.00 | 21672 |
| 39.95 | 458 | 52.00 | 1362 | 65.05 | 454 | 76.95 | 2719 |
| 42.00 | 70 | 55.00 | 1658 | 67.00 | 1681 | 77.95 | 1788 |
| 42.95 | 414 | 56.00 | 10854 | 68.00 | 57627 | 78.90 | 34237 |
| 43.95 | 4439 | 57.00 | 18149 | 69.00 | 60885 | 79.90 | 8336 |
| 45.00 | 5558 | 58.05 | 704 | 70.00 | 4515 | 80.90 | 35016 |
| 45.95 | 615 | 58.70 | 67 | 70.90 | 159 | 81.90 | 7233 |
| 47.00 | 5559 | 60.00 | 5242 | 72.00 | 3123 | 82.90 | 782 |

Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 85.90 | 470 | 103.85 | 3393 | 117.80 | 2408 | 135.80 | 72 |
| 86.95 | 20229 | 104.90 | 995 | 118.85 | 3415 | 136.85 | 1048 |
| 87.95 | 19427 | 105.90 | 3547 | 123.85 | 357 | 138.85 | 187 |
| 90.85 | 2909 | 106.85 | 594 | 124.90 | 68 | 139.90 | 567 |
| 92.00 | 15755 | 109.85 | 600 | 125.85 | 273 | 140.90 | 6636 |
| 93.00 | 22952 | 110.85 | 911 | 126.80 | 93 | 141.85 | 880 |
| 94.00 | 60709 | 111.80 | 536 | 127.85 | 1812 | 142.90 | 6852 |
| 95.00 | 452053 | 112.90 | 865 | 128.90 | 1015 | 143.85 | 425 |
| 96.00 | 29944 | 114.80 | 689 | 129.85 | 1859 | 144.85 | 535 |
| 97.00 | 879 | 115.85 | 2320 | 130.85 | 664 | 145.90 | 870 |
| 102.85 | 434 | 116.90 | 4223 | 134.85 | 994 | 146.85 | 313 |

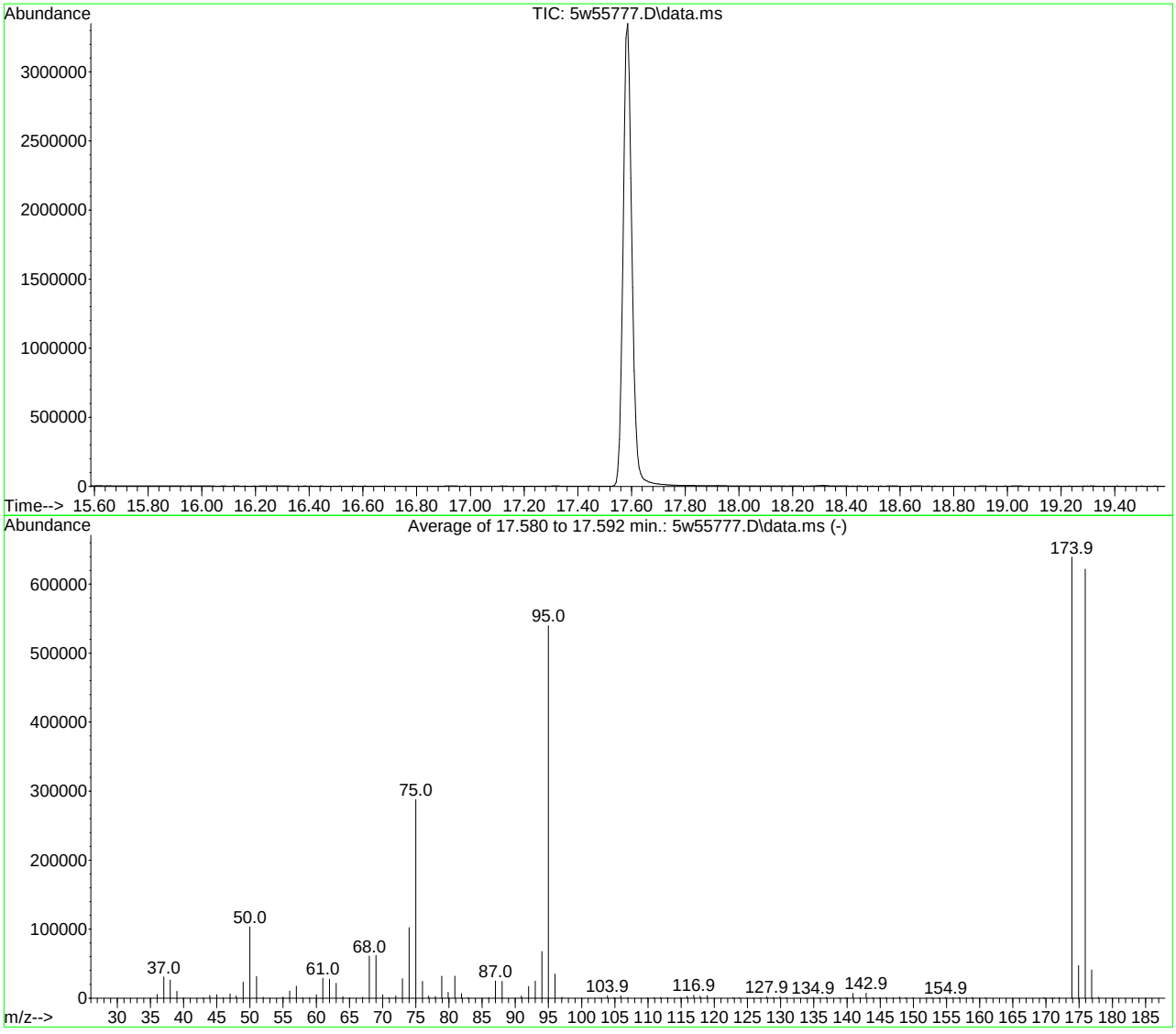
Average of 17.580 to 17.592 min.: 5w55699.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 147.85 | 1350 | 160.90 | 871 | 172.10 | 526 | | |
| 148.90 | 380 | 166.70 | 73 | 173.00 | 2112 | | |
| 149.85 | 686 | 167.00 | 77 | 173.90 | 488917 | | |
| 151.90 | 234 | 168.40 | 94 | 174.90 | 38499 | | |
| 152.85 | 367 | 169.00 | 316 | 175.90 | 492928 | | |
| 153.90 | 377 | 169.50 | 118 | 176.90 | 32312 | | |
| 154.90 | 1409 | 169.80 | 161 | 177.95 | 825 | | |
| 156.00 | 71 | 170.10 | 175 | | | | |
| 156.85 | 927 | 170.65 | 431 | | | | |
| 157.80 | 91 | 170.90 | 330 | | | | |
| 158.90 | 708 | 171.90 | 1206 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...024\v5w2136\5w55777.D Vial: 2
Acq On : 20 Dec 2024 12:26 pm Operator: thomash
Sample : bfb Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2358

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 19.2 | 103472 | PASS |
| 75 | 95 | 30 | 66 | 53.3 | 287701 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 539797 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 34869 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 118.4 | 639147 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 46992 | PASS |
| 176 | 174 | 93 | 101 | 97.3 | 621632 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 40723 | PASS |

5w55777.D M5w2125.M Mon Dec 23 07:13:21 2024

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 5375 | 49.00 | 23344 | 62.00 | 27269 | 74.00 | 102227 |
| 37.00 | 30787 | 50.00 | 103472 | 63.00 | 21483 | 75.00 | 287701 |
| 38.00 | 26269 | 51.00 | 31461 | 64.00 | 1926 | 76.00 | 24525 |
| 39.00 | 10012 | 52.00 | 1300 | 65.05 | 376 | 76.95 | 3316 |
| 39.95 | 230 | 55.00 | 1505 | 66.95 | 1457 | 77.95 | 2608 |
| 42.95 | 322 | 56.00 | 10283 | 68.00 | 60795 | 78.90 | 31819 |
| 43.95 | 3977 | 57.00 | 17350 | 69.00 | 61941 | 79.90 | 8424 |
| 45.00 | 4992 | 57.95 | 691 | 70.00 | 5194 | 80.90 | 32005 |
| 45.95 | 566 | 59.00 | 67 | 70.90 | 105 | 81.90 | 6577 |
| 47.00 | 6174 | 60.00 | 5052 | 72.00 | 3099 | 82.85 | 741 |
| 47.95 | 3300 | 61.00 | 28747 | 73.00 | 28032 | 86.00 | 703 |

Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.00 | 24803 | 104.90 | 1134 | 118.90 | 3395 | 133.80 | 69 |
| 88.00 | 24416 | 105.90 | 3409 | 122.80 | 78 | 134.90 | 1274 |
| 90.90 | 3221 | 106.90 | 750 | 123.00 | 76 | 135.85 | 266 |
| 92.00 | 16939 | 109.90 | 519 | 123.75 | 421 | 136.90 | 1228 |
| 93.00 | 24885 | 110.90 | 732 | 124.90 | 81 | 138.85 | 295 |
| 94.00 | 67773 | 111.85 | 689 | 125.90 | 285 | 139.80 | 345 |
| 95.00 | 539797 | 112.90 | 839 | 126.90 | 161 | 140.00 | 144 |
| 96.00 | 34869 | 114.90 | 592 | 127.90 | 2190 | 140.90 | 6895 |
| 97.05 | 1187 | 115.90 | 2671 | 128.90 | 1022 | 141.95 | 801 |
| 102.80 | 370 | 116.90 | 4487 | 129.90 | 2123 | 142.90 | 7174 |
| 103.90 | 3707 | 117.85 | 2899 | 130.85 | 871 | 143.90 | 467 |

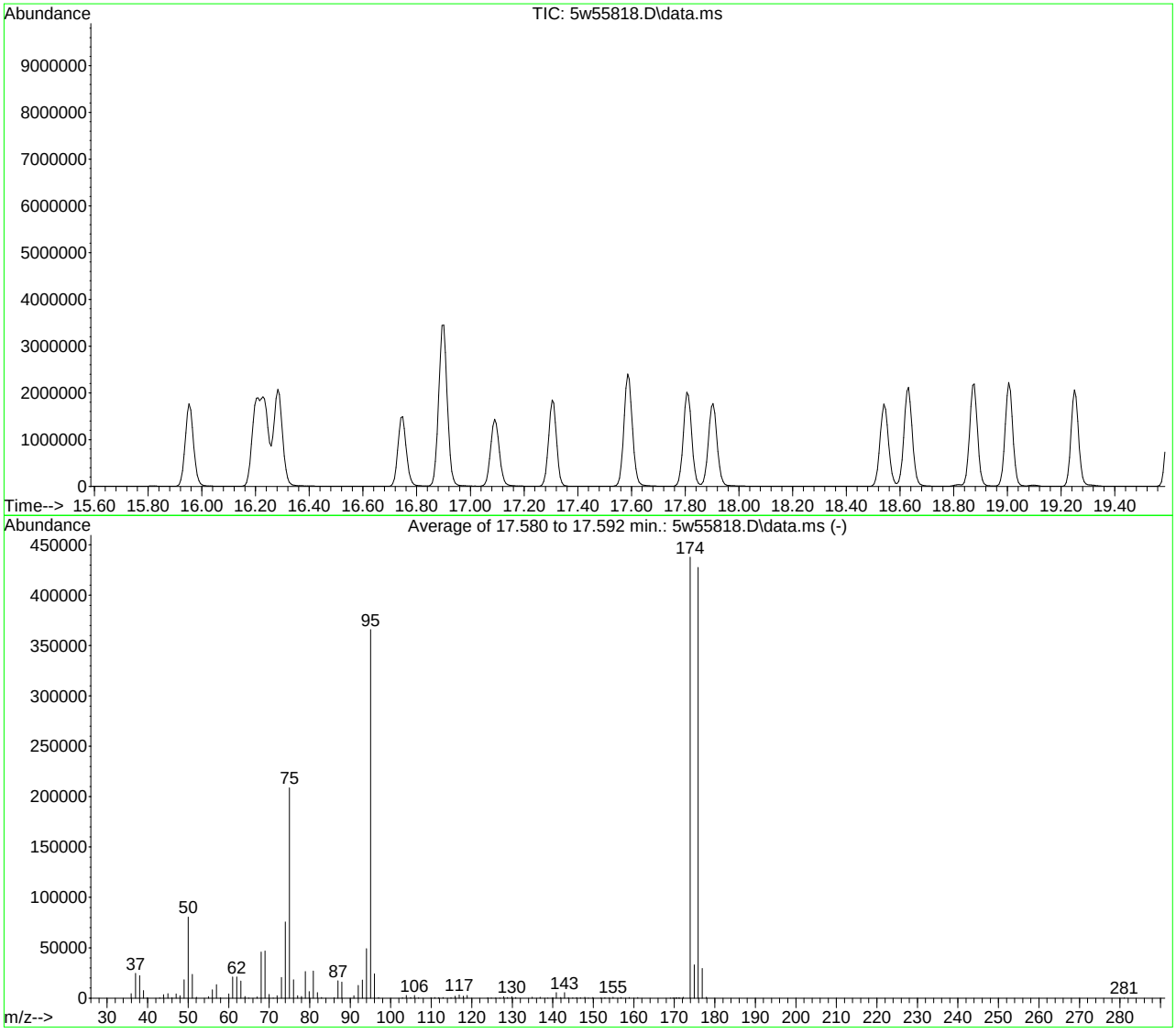
Average of 17.580 to 17.592 min.: 5w55777.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 144.95 | 579 | 156.90 | 1101 | 175.90 | 621632 | | |
| 145.90 | 919 | 158.00 | 67 | 176.90 | 40723 | | |
| 146.95 | 427 | 158.85 | 850 | 177.90 | 1217 | | |
| 147.90 | 1717 | 160.85 | 732 | | | | |
| 148.85 | 431 | 169.60 | 71 | | | | |
| 149.95 | 611 | 169.80 | 90 | | | | |
| 151.90 | 370 | 170.80 | 212 | | | | |
| 152.85 | 427 | 171.25 | 394 | | | | |
| 153.85 | 384 | 171.95 | 1039 | | | | |
| 154.90 | 1423 | 173.90 | 639147 | | | | |
| 156.00 | 67 | 174.90 | 46992 | | | | |

BFB

Data File : C:\msdchem\1\DATA\5w55818.D  Vial: 1
Acq On : 23 Dec 2024 8:13 am  Operator: thomash
Sample : bfb  Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1  Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : Z:\Dayton\MSAIR_Methods\M5w2125.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um




AutoFind: Scans 2369, 2370, 2371; Background Corrected with Scan 2359

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 22.0 | 80464 | PASS |
| 75 | 95 | 30 | 66 | 57.0 | 208725 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 365867 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 24203 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 120 | 119.7 | 437760 | PASS |
| 175 | 174 | 4 | 9 | 7.5 | 33048 | PASS |
| 176 | 174 | 93 | 101 | 97.7 | 427712 | PASS |
| 177 | 176 | 5 | 9 | 6.9 | 29384 | PASS |

5w55818.D M5w2125.M Mon Dec 23 13:39:03 2024

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 4503 | 49.00 | 18299 | 63.00 | 17013 | 75.00 | 208725 |
| 37.00 | 24683 | 50.00 | 80464 | 64.00 | 1589 | 76.00 | 18344 |
| 38.00 | 22280 | 51.00 | 23667 | 65.00 | 201 | 77.00 | 2501 |
| 39.00 | 7634 | 52.05 | 908 | 67.00 | 1153 | 77.95 | 1660 |
| 39.90 | 331 | 55.00 | 1431 | 68.00 | 45832 | 78.90 | 26499 |
| 43.00 | 451 | 56.00 | 8261 | 69.00 | 46893 | 79.90 | 6497 |
| 43.95 | 3418 | 57.00 | 13481 | 70.00 | 3816 | 80.90 | 26827 |
| 45.00 | 4352 | 58.00 | 494 | 71.00 | 83 | 81.90 | 5505 |
| 46.00 | 443 | 60.00 | 4301 | 71.95 | 2456 | 82.90 | 690 |
| 47.00 | 4319 | 61.00 | 21013 | 73.00 | 20453 | 86.00 | 467 |
| 48.00 | 2550 | 62.00 | 21091 | 74.00 | 75576 | 87.00 | 17270 |

Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 87.95 | 15974 | 105.90 | 2767 | 123.95 | 276 | 139.85 | 222 |
| 90.90 | 2419 | 106.90 | 525 | 124.80 | 68 | 140.10 | 125 |
| 92.00 | 12633 | 109.90 | 511 | 125.90 | 67 | 140.90 | 5477 |
| 93.00 | 17995 | 110.90 | 660 | 126.90 | 79 | 141.95 | 763 |
| 94.00 | 49232 | 111.85 | 484 | 127.85 | 1357 | 142.90 | 5567 |
| 95.00 | 365867 | 112.90 | 696 | 128.85 | 675 | 143.85 | 317 |
| 96.00 | 24203 | 114.90 | 483 | 129.90 | 1540 | 144.90 | 420 |
| 97.00 | 677 | 115.90 | 1917 | 130.85 | 536 | 145.85 | 584 |
| 102.90 | 310 | 116.90 | 3074 | 134.90 | 997 | 146.85 | 313 |
| 103.85 | 2628 | 117.90 | 1957 | 136.90 | 827 | 147.90 | 1036 |
| 104.90 | 735 | 118.90 | 2598 | 138.80 | 80 | 148.80 | 270 |

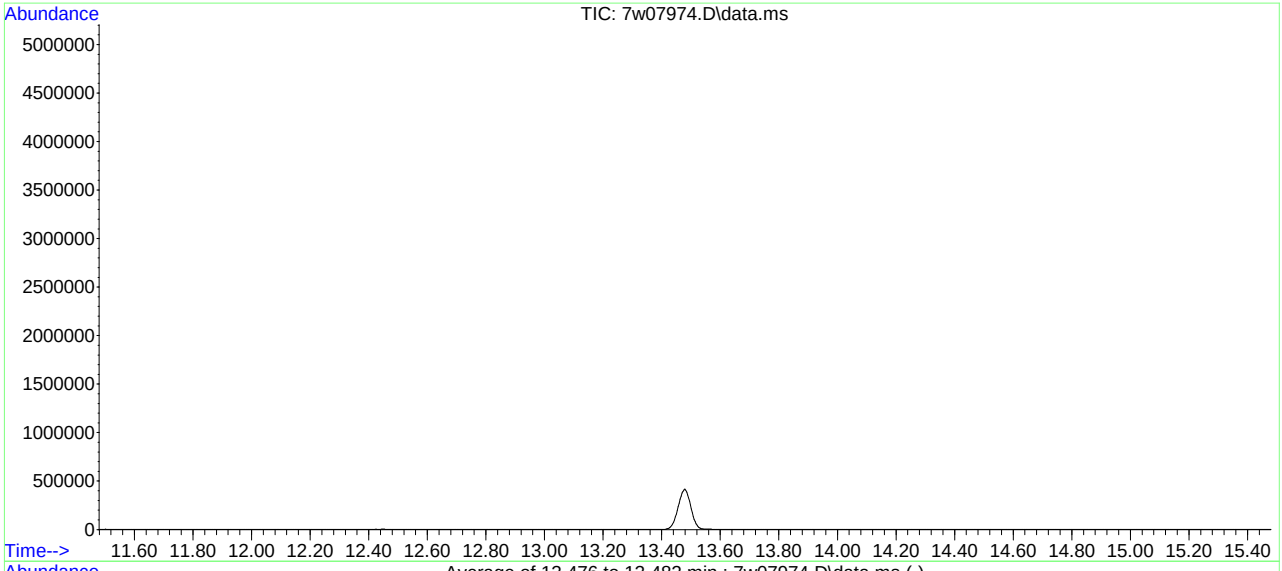
Average of 17.580 to 17.592 min.: 5w55818.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 149.85 | 533 | 170.40 | 317 | | | | |
| 151.85 | 150 | 170.60 | 208 | | | | |
| 152.85 | 293 | 171.10 | 283 | | | | |
| 153.95 | 255 | 171.40 | 234 | | | | |
| 154.90 | 1037 | 172.20 | 838 | | | | |
| 156.85 | 732 | 173.90 | 437760 | | | | |
| 158.90 | 596 | 174.95 | 33048 | | | | |
| 160.95 | 599 | 175.90 | 427712 | | | | |
| 169.00 | 240 | 176.90 | 29384 | | | | |
| 169.65 | 206 | 177.90 | 828 | | | | |
| 170.00 | 99 | 281.05 | 180 | | | | |

BFB

Data File : C:\msdchem\1\data\7w\7w07974.D  Vial: 1
Acq On : 18 Aug 2024 9:06 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w305,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 20443 | PASS |
| 75 | 95 | 30 | 66 | 51.7 | 43320 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 83736 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 5915 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 627 | PASS |
| 174 | 95 | 50 | 120 | 73.5 | 61525 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 4526 | PASS |
| 176 | 174 | 93 | 101 | 95.5 | 58768 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 3856 | PASS |

7w07974.D M7Wbfb.M Mon Aug 19 09:00:03 2024

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 954 | 50.00 | 20443 | 64.00 | 287 | 77.90 | 308 |
| 37.00 | 5028 | 51.00 | 6530 | 67.05 | 196 | 78.90 | 2955 |
| 38.00 | 4273 | 52.00 | 277 | 68.00 | 8935 | 79.90 | 767 |
| 39.05 | 1813 | 55.05 | 302 | 69.00 | 9076 | 80.90 | 3037 |
| 43.00 | 64 | 55.95 | 1451 | 70.00 | 861 | 81.85 | 668 |
| 44.00 | 709 | 57.00 | 2901 | 71.85 | 499 | 82.80 | 43 |
| 45.00 | 966 | 58.05 | 156 | 73.00 | 3880 | 83.10 | 21 |
| 46.15 | 74 | 60.00 | 997 | 74.00 | 15013 | 85.90 | 103 |
| 46.95 | 1367 | 61.00 | 4528 | 75.00 | 43320 | 86.95 | 3242 |
| 47.95 | 630 | 62.00 | 4774 | 76.00 | 3458 | 87.95 | 2880 |
| 49.00 | 4424 | 63.00 | 3558 | 77.00 | 539 | 90.85 | 322 |

Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2543 | 110.70 | 18 | 127.80 | 278 | 142.90 | 820 |
| 93.00 | 3598 | 111.05 | 100 | 128.70 | 51 | 144.00 | 19 |
| 94.00 | 10531 | 111.85 | 87 | 128.85 | 135 | 145.10 | 22 |
| 95.00 | 83736 | 112.80 | 110 | 129.85 | 322 | 145.90 | 187 |
| 96.00 | 5915 | 114.85 | 70 | 130.85 | 96 | 146.70 | 18 |
| 96.95 | 196 | 115.85 | 319 | 134.75 | 134 | 147.90 | 227 |
| 103.90 | 411 | 116.85 | 545 | 136.90 | 163 | 148.70 | 25 |
| 104.80 | 147 | 117.85 | 347 | 139.70 | 38 | 149.85 | 79 |
| 105.85 | 388 | 118.85 | 467 | 139.90 | 58 | 151.90 | 22 |
| 106.90 | 91 | 123.80 | 42 | 140.90 | 764 | 154.80 | 150 |
| 109.80 | 78 | 126.90 | 18 | 141.85 | 63 | 156.90 | 122 |

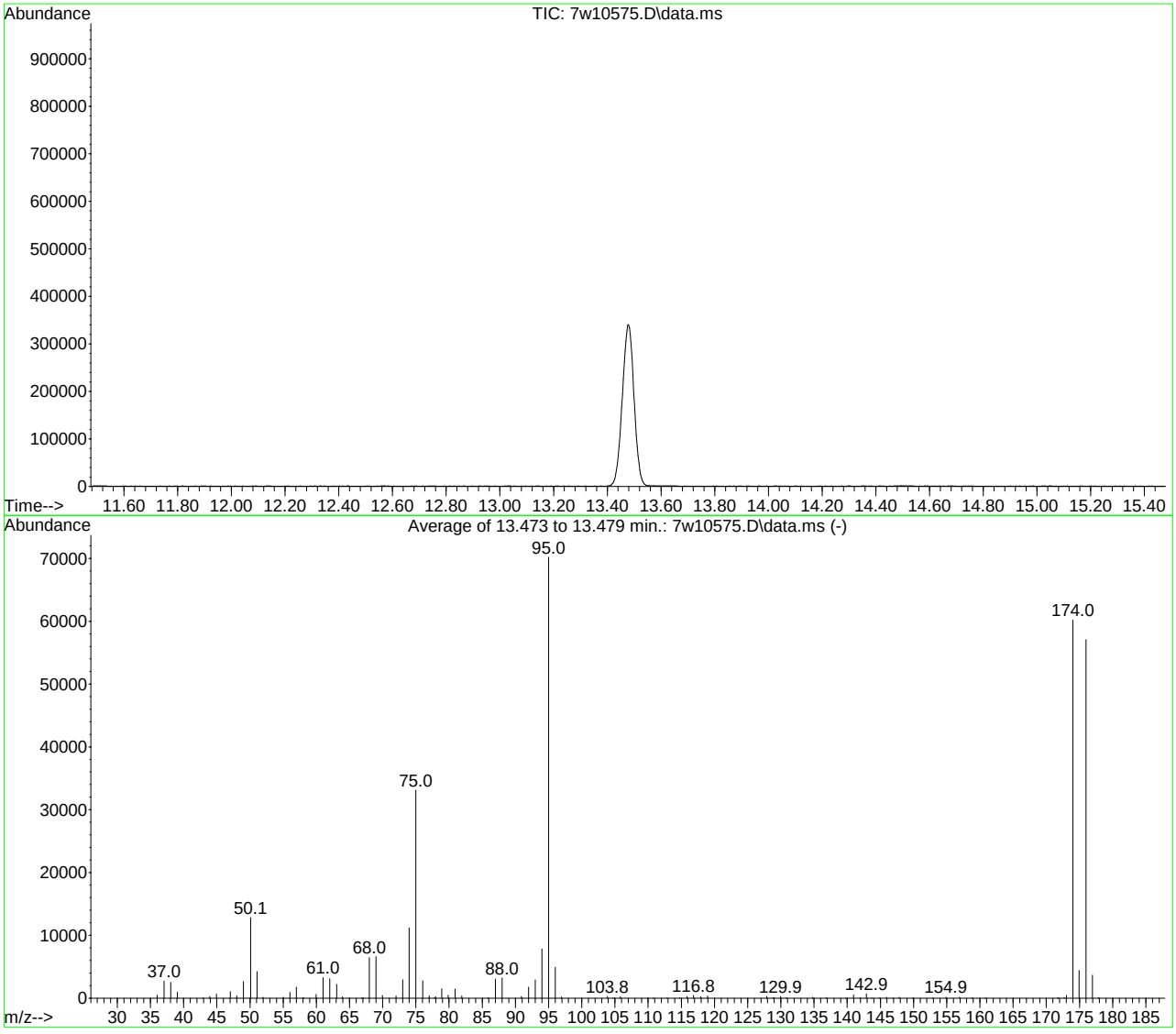
Average of 13.476 to 13.482 min.: 7w07974.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 158.70 | 34 | | | | | | |
| 158.85 | 62 | | | | | | |
| 160.80 | 94 | | | | | | |
| 171.90 | 37 | | | | | | |
| 173.05 | 627 | | | | | | |
| 173.90 | 61525 | | | | | | |
| 174.90 | 4526 | | | | | | |
| 175.90 | 58768 | | | | | | |
| 176.90 | 3856 | | | | | | |
| 177.85 | 99 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\l...2024\v7w387\7w10575.D Vial: 1
Acq On : 18 Nov 2024 8:59 am Operator: bkim
Sample : bfb Inst : MS7W
Misc : MS87131,v7w387,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 18.3 | 12830 | PASS |
| 75 | 95 | 30 | 66 | 47.2 | 33101 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70203 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 4918 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 423 | PASS |
| 174 | 95 | 50 | 120 | 85.7 | 60187 | PASS |
| 175 | 174 | 4 | 9 | 7.3 | 4410 | PASS |
| 176 | 174 | 93 | 101 | 94.8 | 57075 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3652 | PASS |

7w10575.D M7W305.M Tue Nov 19 04:46:34 2024

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 475 | 51.05 | 4235 | 63.90 | 177 | 76.05 | 2751 |
| 37.05 | 2709 | 51.95 | 158 | 65.00 | 37 | 77.00 | 389 |
| 38.05 | 2533 | 55.00 | 140 | 66.85 | 109 | 77.80 | 90 |
| 39.05 | 947 | 56.00 | 916 | 67.10 | 37 | 77.95 | 221 |
| 42.90 | 23 | 57.00 | 1757 | 68.00 | 6431 | 78.90 | 1509 |
| 43.95 | 261 | 57.90 | 27 | 69.00 | 6603 | 79.85 | 467 |
| 44.95 | 636 | 58.10 | 20 | 69.95 | 418 | 80.90 | 1455 |
| 47.05 | 1056 | 59.95 | 592 | 72.00 | 348 | 81.90 | 341 |
| 48.00 | 407 | 61.00 | 3253 | 73.00 | 2933 | 85.85 | 76 |
| 49.00 | 2644 | 62.00 | 3100 | 74.00 | 11184 | 87.00 | 3069 |
| 50.10 | 12830 | 63.05 | 2183 | 75.00 | 33101 | 88.00 | 3197 |

Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 90.90 | 255 | 109.90 | 18 | 129.95 | 257 | 146.90 | 19 |
| 92.00 | 1740 | 110.80 | 17 | 130.85 | 68 | 147.85 | 138 |
| 93.00 | 2896 | 112.80 | 29 | 134.80 | 126 | 149.90 | 44 |
| 94.00 | 7840 | 114.75 | 68 | 136.80 | 115 | 152.90 | 28 |
| 95.00 | 70203 | 115.85 | 259 | 139.80 | 18 | 154.90 | 165 |
| 96.00 | 4918 | 116.85 | 426 | 140.95 | 528 | 156.95 | 137 |
| 96.95 | 169 | 117.90 | 226 | 141.95 | 63 | 158.80 | 72 |
| 103.85 | 284 | 118.95 | 352 | 142.90 | 664 | 160.80 | 50 |
| 104.70 | 19 | 127.85 | 254 | 143.70 | 17 | 171.70 | 27 |
| 104.90 | 64 | 128.80 | 58 | 144.90 | 40 | 171.85 | 79 |
| 105.80 | 241 | 128.95 | 102 | 145.90 | 126 | 172.70 | 98 |

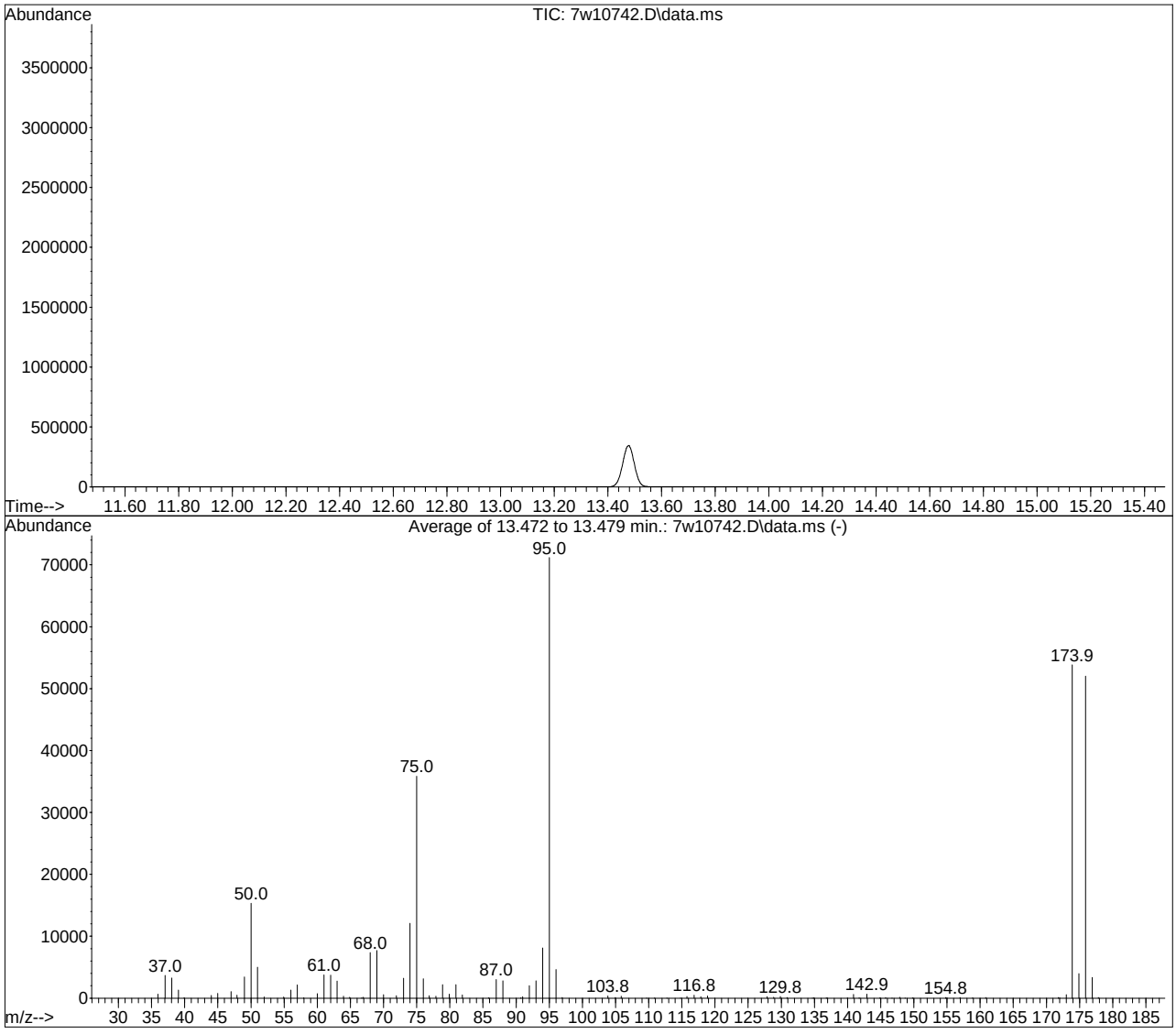
Average of 13.473 to 13.479 min.: 7w10575.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 173.05 | 423 | | | | | | |
| 174.00 | 60187 | | | | | | |
| 174.95 | 4410 | | | | | | |
| 176.00 | 57075 | | | | | | |
| 176.95 | 3652 | | | | | | |
| 177.85 | 105 | | | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...2024\V7W392\7w10742.D Vial: 1
Acq On : 25 Nov 2024 8:36 am Operator: williamc
Sample : bfb Inst : MS7W
Misc : MS87372,v7w392,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4163, 4164, 4165; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 21.5 | 15330 | PASS |
| 75 | 95 | 30 | 66 | 50.4 | 35867 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 71168 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4636 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 555 | PASS |
| 174 | 95 | 50 | 120 | 75.6 | 53835 | PASS |
| 175 | 174 | 4 | 9 | 7.4 | 3970 | PASS |
| 176 | 174 | 93 | 101 | 96.7 | 52037 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3340 | PASS |

7w10742.D M7W305.M Mon Nov 25 21:29:15 2024

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 641 | 51.00 | 4982 | 64.90 | 144 | 76.90 | 403 |
| 37.05 | 3658 | 52.00 | 195 | 66.70 | 51 | 77.90 | 308 |
| 38.05 | 3278 | 54.95 | 198 | 66.95 | 138 | 78.90 | 2163 |
| 39.05 | 1292 | 56.00 | 1308 | 68.00 | 7370 | 79.90 | 654 |
| 39.90 | 49 | 57.00 | 2150 | 69.00 | 7690 | 80.90 | 2160 |
| 44.00 | 441 | 57.95 | 73 | 70.00 | 553 | 81.90 | 543 |
| 45.00 | 753 | 60.00 | 718 | 71.95 | 405 | 85.85 | 78 |
| 47.00 | 1071 | 61.00 | 3758 | 73.00 | 3211 | 87.00 | 3023 |
| 47.90 | 460 | 62.00 | 3712 | 74.00 | 12109 | 88.00 | 2797 |
| 49.00 | 3430 | 63.00 | 2770 | 75.00 | 35867 | 90.70 | 58 |
| 50.00 | 15330 | 63.95 | 296 | 76.00 | 3130 | 91.00 | 223 |

Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 92.00 | 2017 | 112.75 | 43 | 134.90 | 74 | 148.70 | 17 |
| 93.00 | 2791 | 114.80 | 24 | 136.80 | 86 | 149.80 | 54 |
| 94.00 | 8088 | 115.75 | 264 | 137.00 | 34 | 154.80 | 124 |
| 95.00 | 71168 | 116.85 | 460 | 139.95 | 38 | 155.00 | 65 |
| 96.00 | 4636 | 117.85 | 217 | 140.90 | 597 | 156.95 | 107 |
| 96.95 | 121 | 118.85 | 364 | 141.75 | 57 | 158.85 | 86 |
| 103.85 | 357 | 127.85 | 236 | 142.90 | 649 | 160.85 | 120 |
| 104.95 | 92 | 128.85 | 136 | 144.90 | 53 | 171.80 | 108 |
| 105.85 | 320 | 129.85 | 257 | 145.75 | 98 | 172.00 | 45 |
| 109.70 | 17 | 130.85 | 98 | 146.70 | 18 | 173.00 | 555 |
| 110.85 | 39 | 134.70 | 35 | 147.85 | 128 | 173.90 | 53835 |

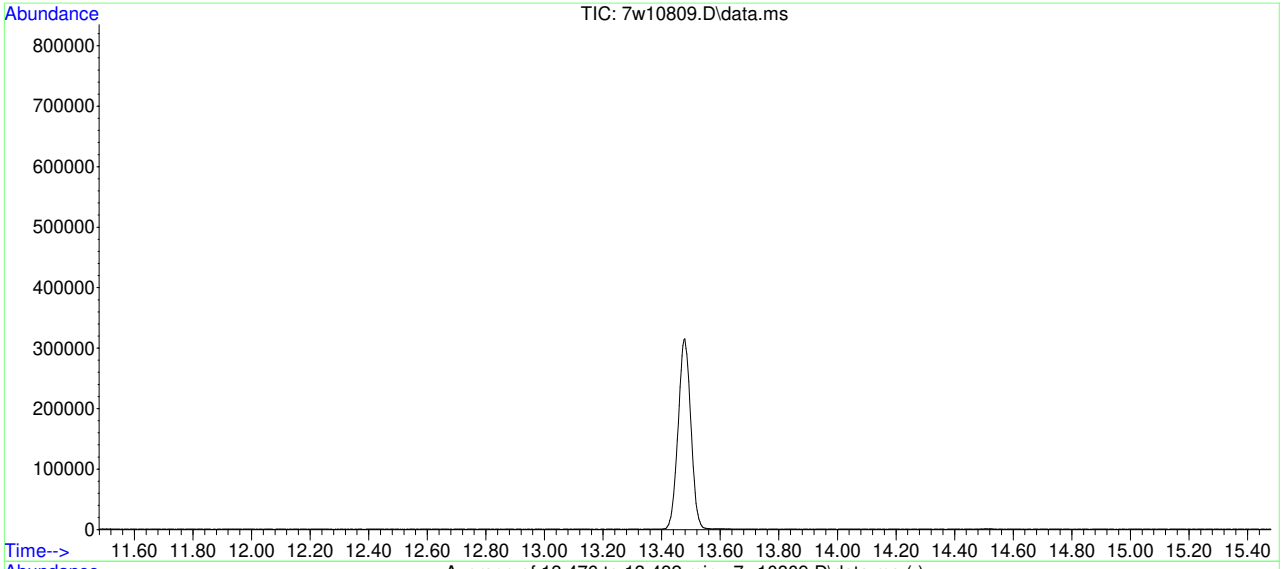
Average of 13.472 to 13.479 min.: 7w10742.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 174.90 | 3970 | | | | | | |
| 175.90 | 52037 | | | | | | |
| 176.90 | 3340 | | | | | | |
| 177.85 | 124 | | | | | | |

BFB

Data File : C:\msdchem\1\data\7w10809.D  Vial: 1
Acq On : 27 Nov 2024 6:19 pm  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS87455,v7w394,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W305.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4164, 4165, 4166; Background Corrected with Scan 4136

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 19.4 | 13271 | PASS |
| 75 | 95 | 30 | 66 | 46.6 | 31925 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 68491 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4421 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 351 | PASS |
| 174 | 95 | 50 | 120 | 72.2 | 49464 | PASS |
| 175 | 174 | 4 | 9 | 7.2 | 3552 | PASS |
| 176 | 174 | 93 | 101 | 95.8 | 47395 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 3165 | PASS |

7w10809.D M7W305.M Sat Nov 30 14:44:15 2024

Average of 13.476 to 13.482 min.: 7w10809.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.95 | 563 | 51.00 | 4124 | 66.85 | 137 | 78.85 | 1375 |
| 37.00 | 3096 | 51.90 | 168 | 67.95 | 6265 | 79.85 | 420 |
| 38.00 | 2699 | 54.90 | 139 | 69.00 | 6563 | 80.85 | 1420 |
| 39.00 | 1168 | 55.90 | 1127 | 69.95 | 560 | 81.85 | 281 |
| 39.90 | 25 | 56.95 | 1774 | 71.95 | 339 | 85.70 | 24 |
| 43.90 | 230 | 58.00 | 73 | 73.00 | 2600 | 86.90 | 3497 |
| 44.90 | 578 | 59.85 | 592 | 74.00 | 10937 | 87.90 | 3242 |
| 46.95 | 1106 | 60.95 | 2830 | 75.00 | 31925 | 90.85 | 202 |
| 47.95 | 427 | 62.00 | 2954 | 76.00 | 3099 | 91.95 | 1692 |
| 48.95 | 2920 | 62.95 | 2253 | 76.95 | 431 | 92.90 | 2533 |
| 50.00 | 13271 | 63.95 | 166 | 77.90 | 306 | 94.00 | 7928 |

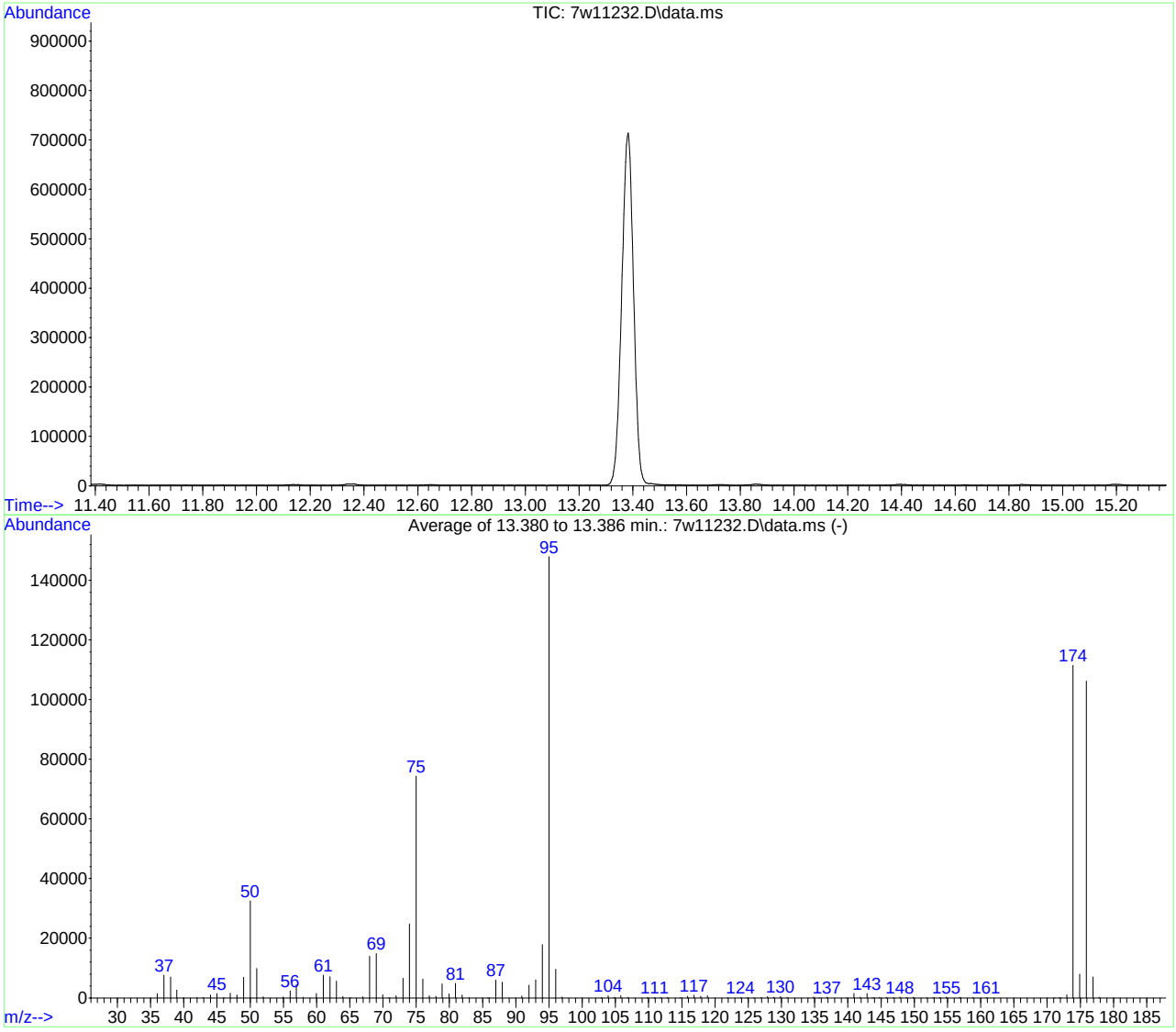
Average of 13.476 to 13.482 min.: 7w10809.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 95.00 | 68491 | 116.80 | 337 | 141.70 | 17 | 173.90 | 49464 |
| 96.00 | 4421 | 117.85 | 179 | 142.85 | 478 | 174.90 | 3552 |
| 96.80 | 46 | 118.75 | 261 | 145.65 | 51 | 175.90 | 47395 |
| 96.95 | 63 | 127.85 | 212 | 147.80 | 220 | 176.90 | 3165 |
| 103.80 | 221 | 128.85 | 136 | 148.75 | 53 | 177.75 | 88 |
| 104.85 | 101 | 129.85 | 185 | 153.80 | 17 | | |
| 105.85 | 219 | 130.75 | 121 | 154.80 | 148 | | |
| 106.85 | 60 | 134.80 | 71 | 156.85 | 101 | | |
| 112.70 | 20 | 136.70 | 24 | 158.85 | 47 | | |
| 114.80 | 41 | 136.90 | 51 | 171.95 | 75 | | |
| 115.80 | 205 | 140.80 | 449 | 172.90 | 351 | | |

BFB

Data File : C:\msdchem\1\data\7w\7w11232.D  Vial: 2
Acq On : 28 Dec 2024 8:40 am  Operator: benk
Sample : bfb  Inst : MS7W
Misc : MS74014,v7w405,,,,,1  Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7Wbfb.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4134, 4135, 4136; Background Corrected with Scan 4106

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 22.0 | 32515 | PASS |
| 75 | 95 | 30 | 66 | 50.3 | 74333 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 147925 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 9647 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 1064 | PASS |
| 174 | 95 | 50 | 120 | 75.4 | 111515 | PASS |
| 175 | 174 | 4 | 9 | 7.1 | 7970 | PASS |
| 176 | 174 | 93 | 101 | 95.3 | 106229 | PASS |
| 177 | 176 | 5 | 9 | 6.6 | 7045 | PASS |

7w11232.D M7Wbfb.M Sun Dec 29 09:54:16 2024

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1402 | 48.00 | 1003 | 62.00 | 7132 | 74.00 | 24797 |
| 37.00 | 7618 | 49.00 | 6981 | 63.00 | 5659 | 75.00 | 74333 |
| 38.00 | 7021 | 50.00 | 32515 | 63.95 | 501 | 76.00 | 6343 |
| 38.95 | 2652 | 51.00 | 9850 | 65.10 | 21 | 76.95 | 767 |
| 39.95 | 34 | 51.95 | 394 | 66.95 | 355 | 77.95 | 553 |
| 41.95 | 51 | 54.95 | 341 | 68.00 | 14030 | 78.90 | 4693 |
| 42.90 | 121 | 56.00 | 2407 | 69.00 | 14907 | 79.95 | 1349 |
| 44.00 | 960 | 56.95 | 4434 | 69.95 | 1121 | 80.90 | 4870 |
| 45.00 | 1405 | 58.00 | 213 | 70.90 | 64 | 81.90 | 1038 |
| 46.05 | 107 | 59.95 | 1473 | 71.95 | 697 | 82.95 | 148 |
| 47.00 | 1628 | 61.00 | 7603 | 73.00 | 6600 | 85.80 | 39 |

Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 86.00 | 47 | 103.90 | 740 | 117.85 | 530 | 134.85 | 277 |
| 87.00 | 5962 | 104.85 | 212 | 118.85 | 720 | 135.70 | 37 |
| 87.95 | 5322 | 105.80 | 715 | 121.90 | 17 | 136.85 | 295 |
| 90.90 | 618 | 106.85 | 200 | 123.85 | 67 | 139.80 | 94 |
| 92.00 | 4261 | 109.80 | 117 | 124.80 | 67 | 140.90 | 1504 |
| 93.00 | 6046 | 110.90 | 151 | 125.80 | 39 | 141.85 | 239 |
| 94.00 | 17907 | 111.75 | 118 | 126.90 | 18 | 142.90 | 1536 |
| 95.00 | 147925 | 112.85 | 148 | 127.90 | 473 | 143.70 | 19 |
| 96.00 | 9647 | 114.80 | 171 | 128.85 | 243 | 143.90 | 76 |
| 96.95 | 279 | 115.85 | 570 | 129.85 | 477 | 144.75 | 129 |
| 102.85 | 95 | 116.85 | 884 | 130.85 | 240 | 145.80 | 187 |

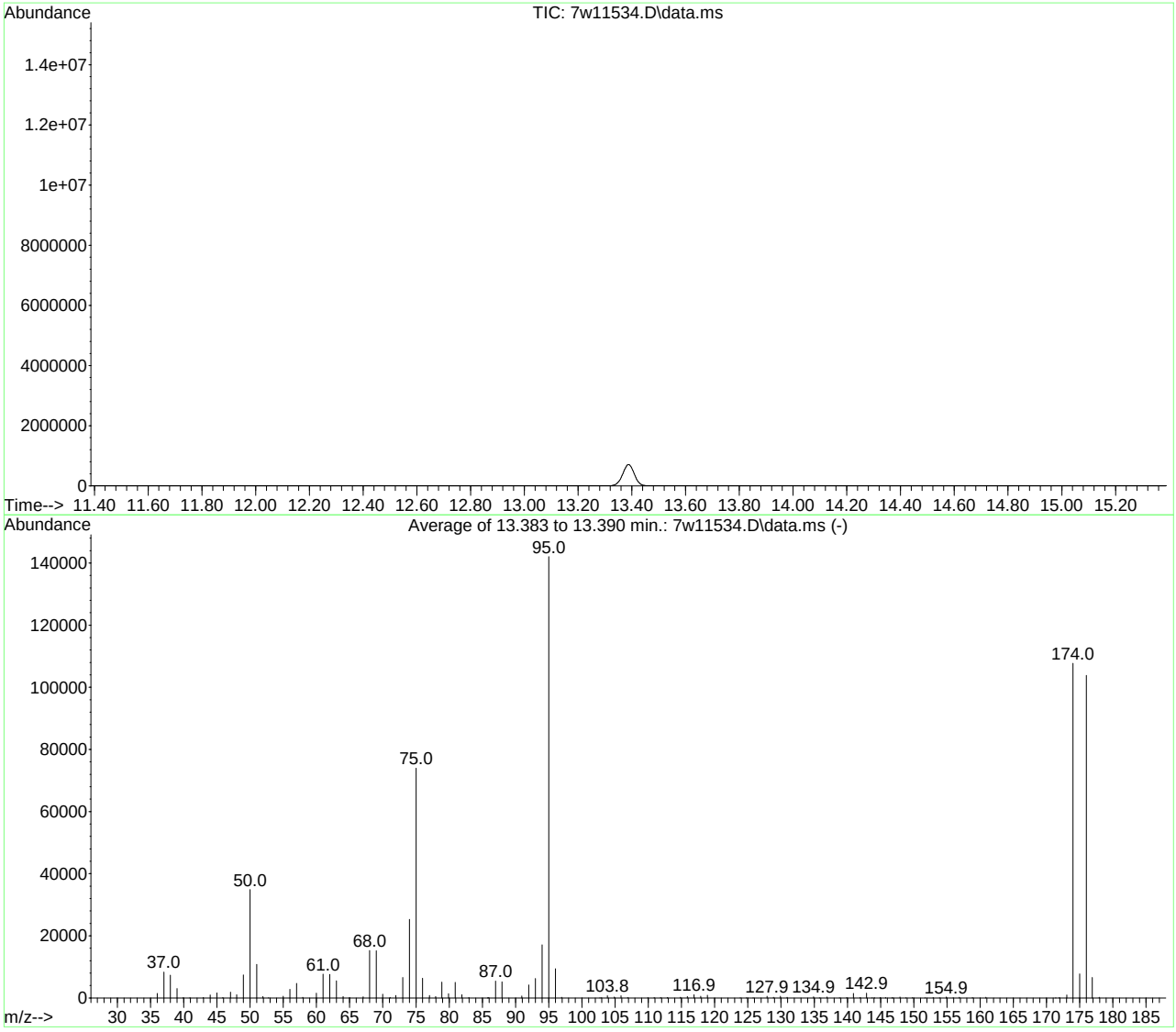
Average of 13.380 to 13.386 min.: 7w11232.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 146.85 | 96 | 158.85 | 148 | | | | |
| 147.85 | 305 | 160.85 | 155 | | | | |
| 148.80 | 105 | 171.20 | 18 | | | | |
| 149.85 | 199 | 171.85 | 97 | | | | |
| 151.85 | 46 | 172.10 | 38 | | | | |
| 152.80 | 64 | 172.95 | 1064 | | | | |
| 153.00 | 25 | 173.90 | 111515 | | | | |
| 153.85 | 111 | 174.90 | 7970 | | | | |
| 154.85 | 351 | 175.90 | 106229 | | | | |
| 156.80 | 83 | 176.90 | 7045 | | | | |
| 156.95 | 193 | 177.85 | 185 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...2025\V7W414\7w11534.D Vial: 9
Acq On : 6 Jan 2025 8:16 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88278,v7w414,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4108

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.5 | 34869 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 73968 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 142037 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 9382 | PASS |
| 173 | 174 | 0.00 | 2 | 0.9 | 971 | PASS |
| 174 | 95 | 50 | 120 | 75.9 | 107736 | PASS |
| 175 | 174 | 4 | 9 | 7.2 | 7770 | PASS |
| 176 | 174 | 93 | 101 | 96.4 | 103845 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 6589 | PASS |

7w11534.D M7W405.M Tue Jan 07 18:49:53 2025

Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1463 | 48.00 | 1066 | 61.00 | 7634 | 73.00 | 6616 |
| 37.00 | 8297 | 49.00 | 7408 | 62.00 | 7547 | 74.00 | 25259 |
| 38.00 | 7366 | 50.00 | 34869 | 63.00 | 5520 | 75.00 | 73968 |
| 39.00 | 3030 | 51.00 | 10813 | 64.00 | 499 | 76.00 | 6325 |
| 39.90 | 48 | 51.95 | 448 | 65.00 | 110 | 77.05 | 802 |
| 40.95 | 59 | 52.80 | 18 | 67.05 | 416 | 77.95 | 497 |
| 42.95 | 166 | 55.00 | 530 | 68.00 | 15301 | 78.90 | 5112 |
| 44.00 | 978 | 56.00 | 2759 | 69.00 | 15192 | 79.90 | 1356 |
| 45.00 | 1576 | 57.00 | 4715 | 70.00 | 1229 | 80.90 | 5016 |
| 45.90 | 110 | 57.95 | 186 | 71.10 | 160 | 81.90 | 1007 |
| 47.05 | 1868 | 60.00 | 1528 | 71.95 | 764 | 82.95 | 125 |

Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 85.80 | 76 | 102.70 | 24 | 115.90 | 498 | 134.90 | 336 |
| 85.95 | 128 | 102.95 | 73 | 116.90 | 1012 | 135.80 | 45 |
| 87.00 | 5407 | 103.85 | 699 | 117.90 | 571 | 136.90 | 263 |
| 87.95 | 5193 | 104.90 | 283 | 118.90 | 873 | 138.80 | 19 |
| 90.95 | 616 | 105.90 | 696 | 123.85 | 82 | 139.90 | 113 |
| 92.00 | 4187 | 106.90 | 131 | 124.80 | 38 | 140.90 | 1462 |
| 93.00 | 6231 | 109.90 | 81 | 125.80 | 36 | 141.90 | 163 |
| 94.00 | 17075 | 110.90 | 150 | 127.90 | 553 | 142.90 | 1569 |
| 95.00 | 142037 | 111.85 | 109 | 128.85 | 197 | 143.75 | 66 |
| 96.00 | 9382 | 112.85 | 111 | 129.90 | 524 | 144.10 | 26 |
| 96.95 | 237 | 114.85 | 193 | 130.90 | 220 | 144.95 | 114 |

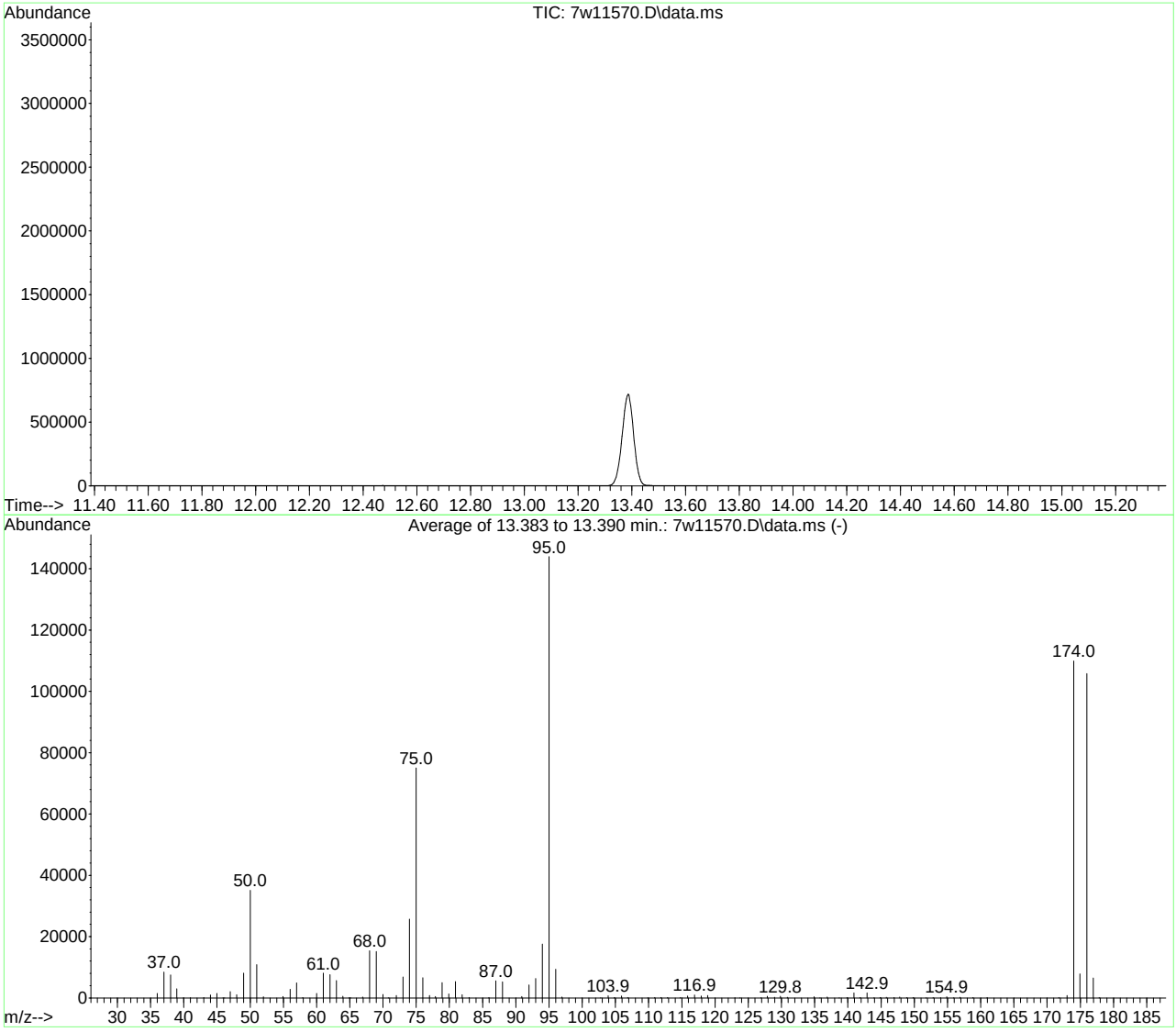
Average of 13.383 to 13.390 min.: 7w11534.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 145.75 | 164 | 156.85 | 227 | | | | |
| 146.70 | 28 | 158.85 | 155 | | | | |
| 146.85 | 60 | 160.85 | 183 | | | | |
| 147.90 | 282 | 171.40 | 20 | | | | |
| 148.80 | 73 | 171.95 | 153 | | | | |
| 149.80 | 139 | 173.05 | 971 | | | | |
| 151.70 | 17 | 174.00 | 107736 | | | | |
| 152.90 | 96 | 175.00 | 7770 | | | | |
| 153.90 | 61 | 176.00 | 103845 | | | | |
| 154.90 | 315 | 176.90 | 6589 | | | | |
| 155.95 | 57 | 177.95 | 206 | | | | |

BFB

Data File : X:\Dayton VOA GCMS\g...2025\V7W415\7w11570.D Vial: 9
Acq On : 7 Jan 2025 8:52 pm Operator: benk
Sample : bfb Inst : MS7W
Misc : MS88278,v7w415,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W405.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um




AutoFind: Scans 4135, 4136, 4137; Background Corrected with Scan 4106

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 8 | 40 | 24.4 | 35117 | PASS |
| 75 | 95 | 30 | 66 | 52.1 | 74984 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 143936 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 9388 | PASS |
| 173 | 174 | 0.00 | 2 | 0.8 | 832 | PASS |
| 174 | 95 | 50 | 120 | 76.4 | 109941 | PASS |
| 175 | 174 | 4 | 9 | 7.1 | 7809 | PASS |
| 176 | 174 | 93 | 101 | 96.2 | 105816 | PASS |
| 177 | 176 | 5 | 9 | 6.2 | 6522 | PASS |

7w11570.D M7W405.M Wed Jan 08 21:36:24 2025

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 36.00 | 1496 | 47.00 | 2020 | 61.00 | 8126 | 72.00 | 842 |
| 37.00 | 8420 | 47.95 | 1047 | 62.00 | 7624 | 73.00 | 6816 |
| 38.00 | 7499 | 49.00 | 8077 | 63.00 | 5648 | 74.00 | 25712 |
| 38.95 | 2971 | 50.00 | 35117 | 63.95 | 566 | 75.00 | 74984 |
| 39.95 | 66 | 51.00 | 10884 | 64.90 | 57 | 76.00 | 6628 |
| 41.00 | 69 | 52.00 | 402 | 65.10 | 26 | 77.00 | 798 |
| 43.00 | 101 | 54.95 | 463 | 66.95 | 343 | 77.90 | 492 |
| 44.00 | 966 | 56.00 | 2837 | 68.00 | 15401 | 78.90 | 5029 |
| 45.00 | 1464 | 57.00 | 4928 | 69.00 | 15175 | 79.90 | 1342 |
| 45.90 | 40 | 57.90 | 152 | 70.00 | 1171 | 80.90 | 5342 |
| 46.15 | 77 | 60.00 | 1466 | 70.80 | 17 | 81.90 | 1051 |

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 82.95 | 105 | 102.80 | 48 | 116.90 | 952 | 135.80 | 17 |
| 85.95 | 162 | 103.90 | 757 | 117.90 | 630 | 136.90 | 261 |
| 87.00 | 5608 | 104.85 | 169 | 118.90 | 785 | 138.70 | 25 |
| 88.00 | 5252 | 105.90 | 664 | 123.00 | 20 | 139.85 | 109 |
| 90.90 | 511 | 106.85 | 131 | 123.75 | 83 | 140.90 | 1608 |
| 92.00 | 4243 | 109.85 | 79 | 126.90 | 20 | 141.85 | 155 |
| 93.00 | 6319 | 110.90 | 150 | 127.85 | 526 | 142.90 | 1622 |
| 94.00 | 17568 | 111.85 | 121 | 128.95 | 254 | 143.95 | 61 |
| 95.00 | 143936 | 112.85 | 174 | 129.85 | 526 | 144.85 | 115 |
| 96.00 | 9388 | 114.80 | 158 | 130.90 | 190 | 145.80 | 193 |
| 96.95 | 283 | 115.85 | 600 | 134.90 | 351 | 146.95 | 88 |

Average of 13.383 to 13.390 min.: 7w11570.D\data.ms
bfb
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 147.80 | 284 | 171.75 | 145 | | | | |
| 148.85 | 95 | 173.00 | 832 | | | | |
| 149.80 | 138 | 174.00 | 109941 | | | | |
| 151.75 | 84 | 174.95 | 7809 | | | | |
| 152.85 | 122 | 176.00 | 105816 | | | | |
| 153.95 | 50 | 176.95 | 6522 | | | | |
| 154.90 | 363 | 177.85 | 140 | | | | |
| 155.90 | 47 | | | | | | |
| 156.90 | 215 | | | | | | |
| 158.85 | 168 | | | | | | |
| 160.95 | 136 | | | | | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 339655 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1562017 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 815644 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 339655 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 987267 | 10.65 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.50% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 2172 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 1042 | 0.04 | PPBV | | 94 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 402 | 0.03 | PPBV | # | 42 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 2393 | 0.04 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 5059 | 0.04 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 1813 | 0.06 | PPBV | # | 71 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 5772 | 0.05 | PPBV | | 93 |
| 9) FREON 114 | 3.839 | 85 | 6871 | 0.04 | PPBV | | 95 |
| 10) CHLOROMETHANE | 3.778 | 52 | 563 | 0.04 | PPBV | # | 19 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2457 | 0.04 | PPBV | # | 88 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 2084 | 0.06 | PPBV | # | 65 |
| 15) CHLOROETHANE | 4.365 | 64 | 1195 | 0.05 | PPBV | | 73 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 6506 | 0.05 | PPBV | # | 97 |
| 19) FREON 123 | 4.739 | 83 | 6283 | 0.05 | PPBV | # | 69 |
| 20) FREON 123A | 4.782 | 117 | 3192 | 0.05 | PPBV | # | 67 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 4659 | 0.04 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 1715 | 0.05 | PPBV | | 85 |
| 25) IODOMETHANE | 5.424 | 142 | 3839 | 0.04 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.491 | 96 | 1503 | 0.04 | PPBV | | 85 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 3987 | 0.04 | PPBV | # | 71 |
| 29) BROMOETHENE | 4.629 | 106 | 2097 | 0.04 | PPBV | # | 72 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1675 | 0.05 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 558 | 0.03 | PPBV | # | 1 |
| 33) FREON 113 | 5.822 | 151 | 2213 | 0.04 | PPBV | | 85 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1478 | 0.04 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 5.662 | 59 | 2332 | 0.03 | PPBV | # | 69 |
| 36) METHYL TERTIARY BUTYL ... | 6.806 | 73 | 3795 | 0.04 | PPBV | | 88 |
| 38) HEXANE | 7.706 | 57 | 1901 | 0.03 | PPBV | # | 76 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 2879 | 0.04 | PPBV | | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 1626 | 0.04 | PPBV | | 83 |
| 46) CHLOROFORM | 7.810 | 83 | 3517 | 0.04 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2035 | 0.03 | PPBV | | 84 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 3477 | 0.04 | PPBV | | 94 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 3442 | 0.04 | PPBV | | 88 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 2033 | 0.03 | PPBV | # | 91 |
| 52) BENZENE | 9.400 | 78 | 4500 | 0.04 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.694 | 84 | 1364 | 0.03 | PPBV | | 88 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 683 | 0.03 | PPBV | # | 38 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 2173 | 0.04 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 10.373 | 63 | 1879 | 0.04 | PPBV | | 67 |
| 57) DIBROMOMETHANE | 10.349 | 174 | 2796 | 0.05 | PPBV | | 95 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 3467 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 6036 | 0.03 | PPBV | # | 91 |
| 62) HEPTANE | 11.040 | 43 | 2264 | 0.03 | PPBV | | 83 |
| 65) cis-1,3-DICHLOROPROPENE | 11.756 | 75 | 2163 | 0.03 | PPBV | | 73 |
| 66) TOLUENE | 12.979 | 92 | 2538 | 0.03 | PPBV | | 95 |
| 67) 1,3-DICHLOROPROPANE | 13.028 | 76 | 2245 | 0.03 | PPBV | # | 80 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

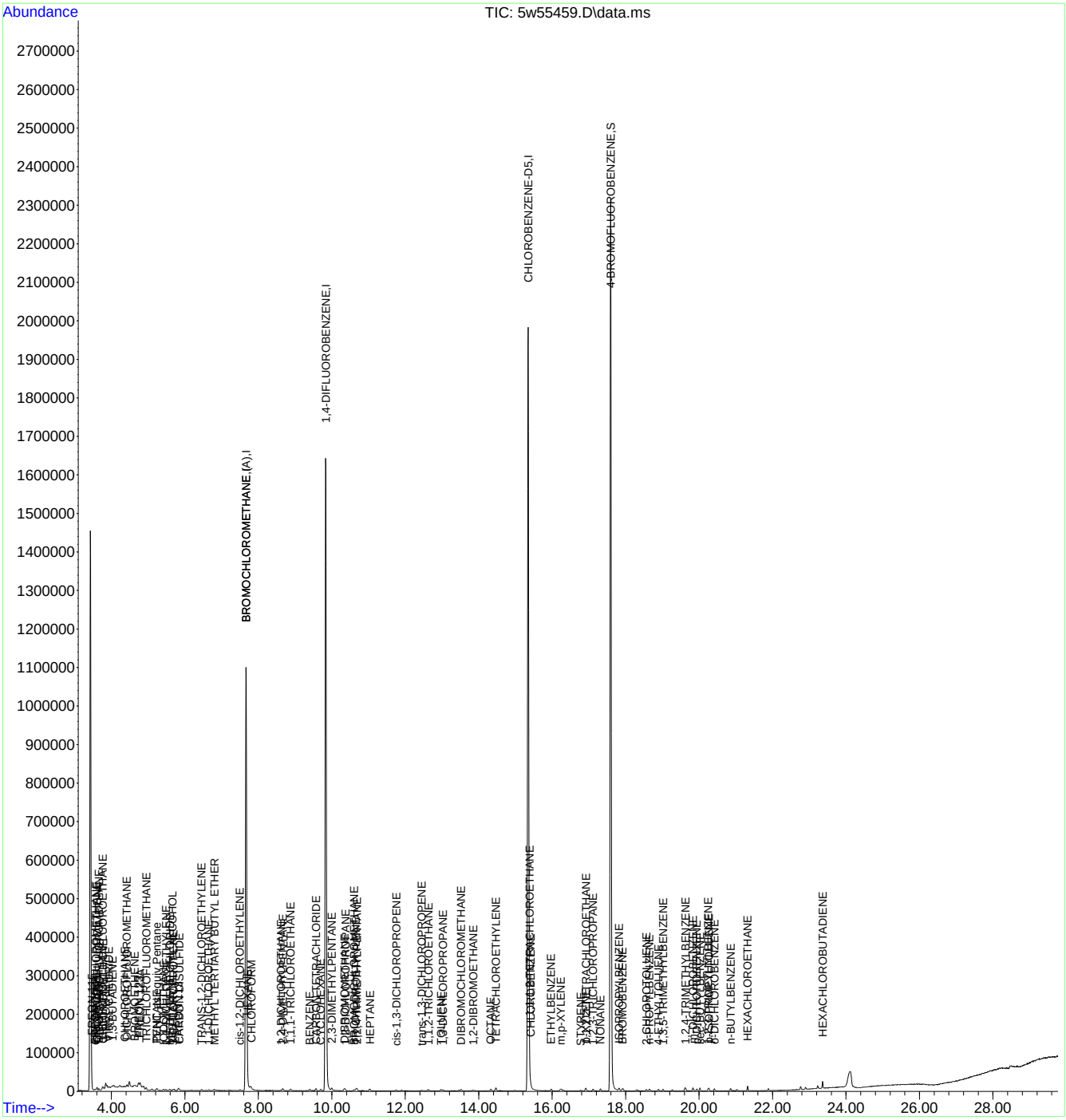
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 68) | trans-1,3-DICHLOROPROPENE | 12.441 | 75 | 1621 | 0.02 | PPBV | # | 72 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.631 | 83 | 1711 | 0.03 | PPBV | | 91 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 2289 | 0.04 | PPBV | | 96 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 2451 | 0.02 | PPBV | | 92 |
| 75) | 1,2-DIBROMOETHANE | 13.848 | 107 | 2444 | 0.03 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 2490 | 0.03 | PPBV | | 88 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 2034 | 0.03 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 4300 | 0.04 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.971 | 91 | 5680 | 0.03 | PPBV | | 91 |
| 80) | m,p-XYLENE | 16.234 | 106 | 3582 | 0.05 | PPBV | # | 78 |
| 81) | o-XYLENE | 16.913 | 106 | 1696 | 0.03 | PPBV | | 91 |
| 82) | STYRENE | 16.778 | 104 | 2235 | 0.02 | PPBV | | 85 |
| 83) | NONANE | 17.311 | 43 | 2668 | 0.03 | PPBV | # | 83 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.925 | 83 | 4487 | 0.04 | PPBV | # | 92 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 3082 | 0.04 | PPBV | | 85 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 6235 | 0.03 | PPBV | | 95 |
| 89) | BROMOBENZENE | 17.916 | 77 | 3942 | 0.04 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.565 | 126 | 1257 | 0.03 | PPBV | | 59 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 1200 | 0.02 | PPBV | # | 61 |
| 92) | 4-ETHYLTOLUENE | 18.889 | 105 | 4926 | 0.03 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 4056 | 0.03 | PPBV | | 94 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 4381 | 0.03 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.831 | 146 | 3796 | 0.03 | PPBV | | 91 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 3500 | 0.03 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.027 | 134 | 1089 | 0.03 | PPBV | # | 90 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4328 | 0.03 | PPBV | # | 95 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1184 | 0.02 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.418 | 146 | 3642 | 0.03 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.865 | 134 | 927 | 0.02 | PPBV | # | 53 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2307 | 0.03 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 3647 | 0.03 | PPBV | | 91 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 13331 | 0.06 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55459.D
Acq On : 9 Dec 2024 4:14 am
Operator : benk
Sample : ic2125-0.04
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:47 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 333430 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1533309 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 804190 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 333430 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985635 | 10.78 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.472 | 119 | 5523 | 0.10 | PPBV | | 97 |
| 3) FREON 152A | 3.552 | 65 | 2440 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.588 | 67 | 1205 | 0.09 | PPBV | | 74 |
| 5) CHLOROTRIFLUOROETHENE | 3.613 | 116 | 5398 | 0.09 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 12499 | 0.10 | PPBV | | 99 |
| 7) PROPYLENE | 3.607 | 41 | 3754 | 0.13 | PPBV | | 84 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 13615 | 0.11 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 17687 | 0.12 | PPBV | | 99 |
| 10) CHLOROMETHANE | 3.784 | 52 | 1884 | 0.12 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 5930 | 0.11 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 4.035 | 54 | 4083 | 0.11 | PPBV | # | 72 |
| 13) n-BUTANE | 4.072 | 43 | 9842 | 0.15 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 8281 | 0.15 | PPBV | | 91 |
| 15) CHLOROETHANE | 4.365 | 64 | 2881 | 0.12 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 4.427 | 67 | 14568 | 0.12 | PPBV | | 97 |
| 17) ACETONITRILE | 4.647 | 41 | 4678 | 0.12 | PPBV | # | 65 |
| 18) ACROLEIN | 4.739 | 56 | 2049 | 0.11 | PPBV | # | 1 |
| 19) FREON 123 | 4.739 | 83 | 14828 | 0.12 | PPBV | | 96 |
| 20) FREON 123A | 4.788 | 117 | 7831 | 0.12 | PPBV | | 84 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 11923 | 0.11 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 5.093 | 45 | 9920 | 0.14 | PPBV | | 92 |
| 24) PENTANE | 5.240 | 42 | 3946 | 0.11 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 9585 | 0.10 | PPBV | | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 3785 | 0.11 | PPBV | | 88 |
| 27) CARBON DISULFIDE | 5.858 | 76 | 10145 | 0.10 | PPBV | | 92 |
| 29) BROMOETHENE | 4.622 | 106 | 5236 | 0.10 | PPBV | | 91 |
| 31) METHYLENE CHLORIDE | 5.601 | 84 | 3905 | 0.11 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.705 | 76 | 1660 | 0.10 | PPBV | # | 52 |
| 33) FREON 113 | 5.828 | 151 | 6007 | 0.10 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 4040 | 0.11 | PPBV | | 81 |
| 35) TERTIARY BUTYL ALCOHOL | 5.650 | 59 | 6051 | 0.08 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 6.794 | 73 | 8939 | 0.09 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 8.366 | 72 | 939 | 0.06 | PPBV | # | 61 |
| 38) HEXANE | 7.712 | 57 | 4501 | 0.08 | PPBV | | 85 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 7146 | 0.10 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.155 | 72 | 815 | 0.05 | PPBV | # | 82 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 4154 | 0.10 | PPBV | | 84 |
| 43) DIISOPROPYL ETHER | 7.779 | 59 | 1194 | 0.07 | PPBV | # | 60 |
| 44) ETHYL ACETATE | 7.834 | 61 | 535 | 0.04 | PPBV | # | 38 |
| 46) CHLOROFORM | 7.810 | 83 | 8944 | 0.10 | PPBV | | 91 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 5058 | 0.08 | PPBV | | 87 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 9054 | 0.10 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 8961 | 0.09 | PPBV | | 97 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 5541 | 0.09 | PPBV | | 96 |
| 52) BENZENE | 9.400 | 78 | 10879 | 0.09 | PPBV | | 98 |
| 53) CYCLOHEXANE | 9.706 | 84 | 3668 | 0.08 | PPBV | | 94 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 1964 | 0.08 | PPBV | # | 73 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

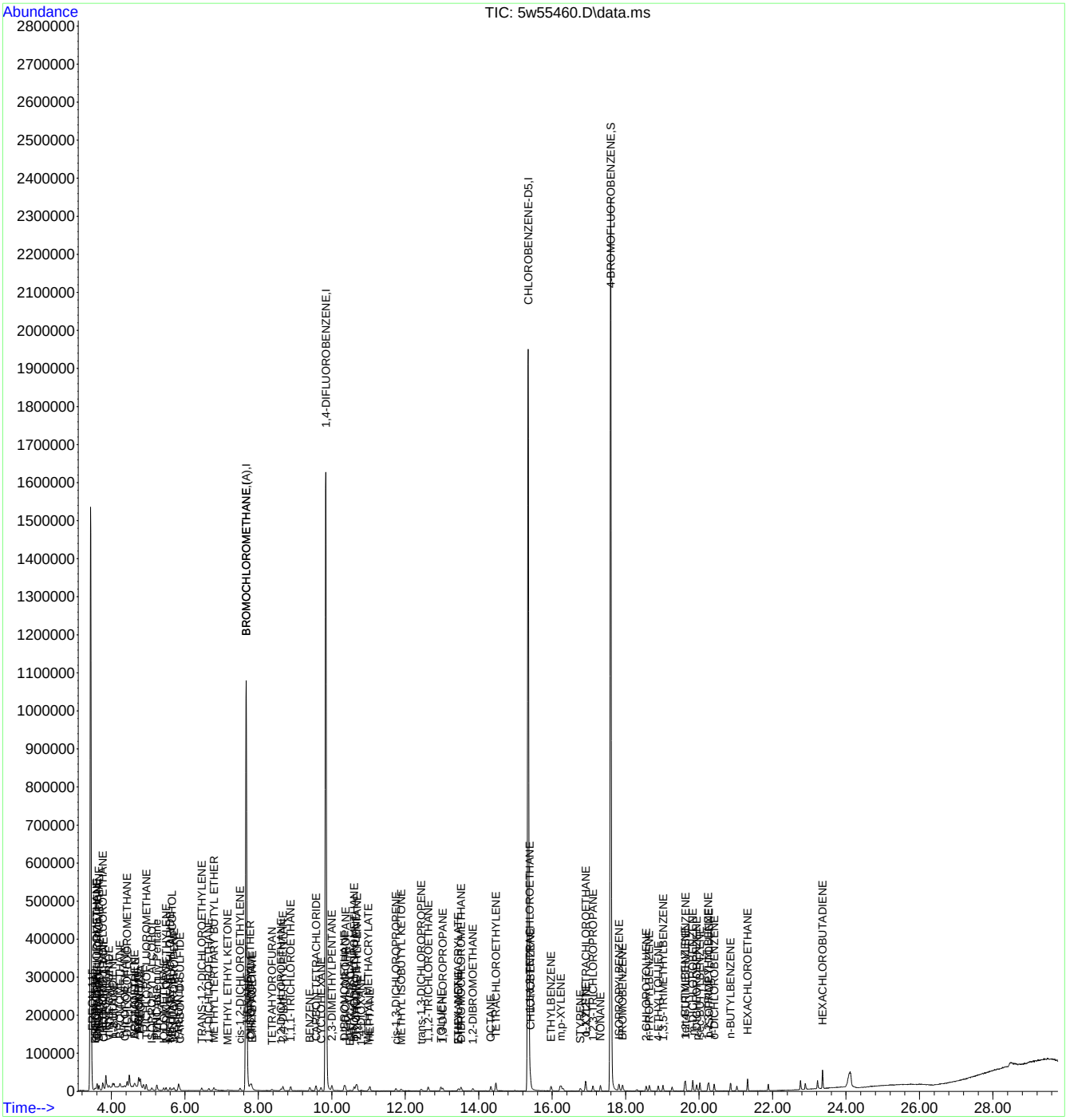
| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 5207 | 0.09 | PPBV | | 94 |
| 56) | 1,2-DICHLOROPROPANE | 10.373 | 63 | 4453 | 0.09 | PPBV | | 93 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 5531 | 0.10 | PPBV | | 90 |
| 58) | ETHYL ACRYLATE | 10.495 | 55 | 4814 | 0.06 | PPBV | # | 73 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 8911 | 0.08 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 14978 | 0.08 | PPBV | | 94 |
| 61) | 1,4-DIOXANE | 10.801 | 88 | 2000 | 0.07 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 5175 | 0.08 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.991 | 69 | 2482 | 0.06 | PPBV | # | 65 |
| 64) | METHYL ISOBUTYL KETONE | 11.890 | 58 | 1969 | 0.06 | PPBV | # | 71 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.743 | 75 | 5623 | 0.07 | PPBV | | 92 |
| 66) | TOLUENE | 12.973 | 92 | 6560 | 0.08 | PPBV | | 97 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 6020 | 0.08 | PPBV | # | 91 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 4364 | 0.06 | PPBV | | 84 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.624 | 83 | 4269 | 0.09 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.450 | 58 | 1982 | 0.04 | PPBV | # | 42 |
| 72) | ETHYL METHACRYLATE | 13.432 | 69 | 3502 | 0.05 | PPBV | # | 90 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 5984 | 0.11 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.517 | 129 | 7109 | 0.07 | PPBV | | 95 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 7065 | 0.09 | PPBV | # | 99 |
| 76) | OCTANE | 14.325 | 43 | 6427 | 0.08 | PPBV | | 92 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 6008 | 0.10 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 11162 | 0.10 | PPBV | # | 48 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 14102 | 0.08 | PPBV | | 95 |
| 80) | m,p-XYLENE | 16.234 | 106 | 9481 | 0.14 | PPBV | | 99 |
| 81) | o-XYLENE | 16.907 | 106 | 4760 | 0.07 | PPBV | | 90 |
| 82) | STYRENE | 16.766 | 104 | 6206 | 0.06 | PPBV | | 94 |
| 83) | NONANE | 17.310 | 43 | 6297 | 0.07 | PPBV | # | 91 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 11296 | 0.09 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 8353 | 0.10 | PPBV | | 99 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 15817 | 0.08 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.916 | 77 | 9455 | 0.09 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 3541 | 0.07 | PPBV | | 88 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 3339 | 0.07 | PPBV | | 94 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 13159 | 0.07 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 11418 | 0.07 | PPBV | | 95 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 2169 | 0.06 | PPBV | # | 89 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 10880 | 0.06 | PPBV | | 95 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 9479 | 0.08 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.935 | 146 | 9928 | 0.09 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 2915 | 0.07 | PPBV | | 92 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 11857 | 0.07 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 3311 | 0.07 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 9802 | 0.09 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 2781 | 0.06 | PPBV | # | 75 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 6060 | 0.07 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 8613 | 0.08 | PPBV | | 98 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 32564 | 0.14 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55460.D
Acq On : 9 Dec 2024 4:54 am
Operator : benk
Sample : ic2125-0.1
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 14:26:58 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 334972 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1532765 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 812540 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 334972 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 990143 | 10.72 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 107.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 9311 | 0.17 | PPBV | | 97 |
| 3) FREON 152A | 3.546 | 65 | 5104 | 0.20 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 2636 | 0.19 | PPBV | | 89 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 11548 | 0.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 25208 | 0.20 | PPBV | | 98 |
| 7) PROPYLENE | 3.601 | 41 | 6295 | 0.22 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 27839 | 0.22 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 35981 | 0.24 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 3787 | 0.24 | PPBV | # | 76 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 12507 | 0.23 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 8476 | 0.24 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 17914 | 0.27 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 13070 | 0.24 | PPBV | | 94 |
| 15) CHLOROETHANE | 4.359 | 64 | 5838 | 0.24 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 28789 | 0.24 | PPBV | | 99 |
| 17) ACETONITRILE | 4.641 | 41 | 10098 | 0.26 | PPBV | # | 79 |
| 18) ACROLEIN | 4.732 | 56 | 3711 | 0.20 | PPBV | # | 16 |
| 19) FREON 123 | 4.739 | 83 | 29093 | 0.24 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 16016 | 0.24 | PPBV | | 91 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 24059 | 0.21 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.087 | 45 | 17230 | 0.24 | PPBV | | 79 |
| 23) ACETONE | 4.861 | 58 | 9631 | 0.44 | PPBV | | 93 |
| 24) PENTANE | 5.234 | 42 | 7781 | 0.22 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 19206 | 0.19 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 7466 | 0.21 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 21129 | 0.20 | PPBV | | 96 |
| 29) BROMOETHENE | 4.616 | 106 | 11097 | 0.22 | PPBV | | 97 |
| 30) ACRYLONITRILE | 5.222 | 52 | 13028 | 0.58 | PPBV | | 95 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 7591 | 0.22 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 3438 | 0.20 | PPBV | # | 65 |
| 33) FREON 113 | 5.821 | 151 | 11480 | 0.19 | PPBV | | 92 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 7568 | 0.20 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.638 | 59 | 12091 | 0.16 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.776 | 73 | 17880 | 0.17 | PPBV | | 92 |
| 37) TETRAHYDROFURAN | 8.342 | 72 | 2081 | 0.12 | PPBV | # | 61 |
| 38) HEXANE | 7.706 | 57 | 9519 | 0.17 | PPBV | # | 79 |
| 39) VINYL ACETATE | 6.843 | 86 | 448 | 0.07 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 6.653 | 63 | 14588 | 0.20 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.137 | 72 | 2221 | 0.13 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 7416 | 0.19 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.767 | 59 | 2706 | 0.16 | PPBV | # | 82 |
| 44) ETHYL ACETATE | 7.810 | 61 | 1722 | 0.14 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.797 | 55 | 9313m | 0.13 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 18397 | 0.21 | PPBV | | 92 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 11164 | 0.17 | PPBV | | 90 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 17633 | 0.20 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 9.565 | 117 | 18453 | 0.19 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 12009 | 0.20 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 21730 | 0.19 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 7528 | 0.16 | PPBV | | 94 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 4203 | 0.17 | PPBV | # | 84 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 10750 | 0.18 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 10.367 | 63 | 9173 | 0.19 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 11081 | 0.21 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.477 | 55 | 10722 | 0.12 | PPBV | # | 89 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 18157 | 0.17 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 30352 | 0.16 | PPBV | | 96 |
| 61) | 1,4-DIOXANE | 10.777 | 88 | 4553 | 0.16 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 10843 | 0.17 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.985 | 69 | 5874 | 0.14 | PPBV | | 88 |
| 64) | METHYL ISOBUTYL KETONE | 11.872 | 58 | 4610 | 0.13 | PPBV | # | 75 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 12276 | 0.15 | PPBV | | 93 |
| 66) | TOLUENE | 12.967 | 92 | 13467 | 0.16 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.022 | 76 | 12399 | 0.17 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.429 | 75 | 10502 | 0.14 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 9074 | 0.19 | PPBV | | 98 |
| 71) | 2-HEXANONE | 13.426 | 58 | 5591 | 0.12 | PPBV | # | 68 |
| 72) | ETHYL METHACRYLATE | 13.426 | 69 | 7979 | 0.12 | PPBV | | 92 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 11793 | 0.22 | PPBV | | 98 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 14897 | 0.15 | PPBV | | 98 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 14712 | 0.18 | PPBV | # | 97 |
| 76) | OCTANE | 14.331 | 43 | 13225 | 0.16 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 12320 | 0.19 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 22541 | 0.21 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 29130 | 0.17 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.240 | 106 | 19915 | 0.30 | PPBV | | 97 |
| 81) | o-XYLENE | 16.907 | 106 | 9697 | 0.15 | PPBV | | 95 |
| 82) | STYRENE | 16.760 | 104 | 13243 | 0.14 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 13708 | 0.16 | PPBV | | 97 |
| 84) | BROMOFORM | 16.295 | 173 | 8706 | 0.09 | PPBV | | 96 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 24040 | 0.20 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.102 | 75 | 17778 | 0.21 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 32811 | 0.17 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 19537 | 0.19 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 7829 | 0.16 | PPBV | | 94 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 7841 | 0.15 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 27822 | 0.15 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 24334 | 0.15 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 9644 | 0.12 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 4755 | 0.14 | PPBV | | 90 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 25504 | 0.15 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 21451 | 0.17 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 23238 | 0.13 | PPBV | | 96 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 21116 | 0.18 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 6501 | 0.16 | PPBV | # | 89 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 25578 | 0.15 | PPBV | # | 100 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 7256 | 0.15 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 20937 | 0.19 | PPBV | | 97 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 6435 | 0.14 | PPBV | # | 88 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 12703 | 0.15 | PPBV | | 95 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 17057 | 0.16 | PPBV | | 97 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 16218 | 0.16 | PPBV | | 98 |
| 108) | NAPHTHALENE | 22.890 | 128 | 33921 | 0.14 | PPBV | | 97 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 75387 | 0.32 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

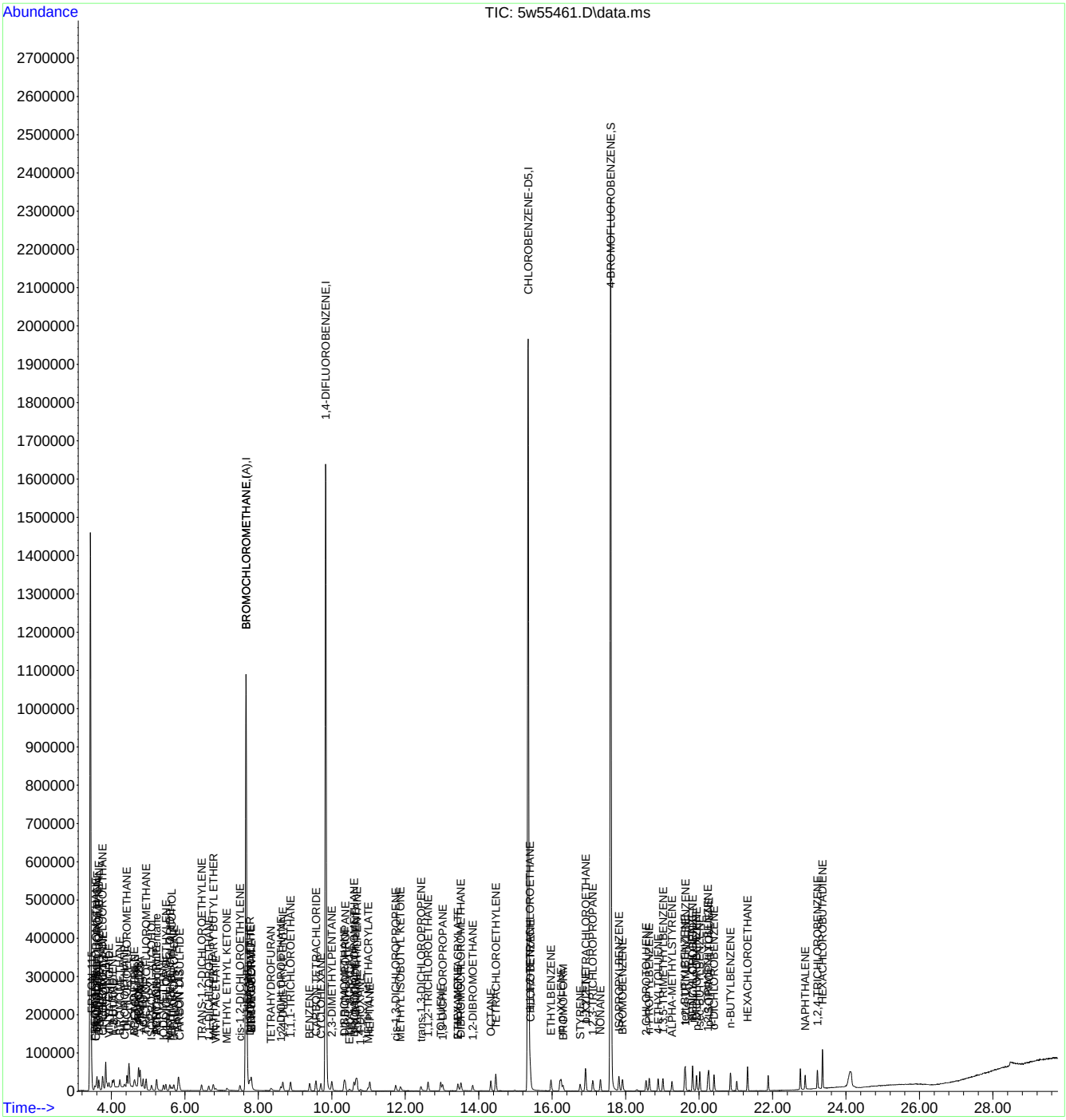
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

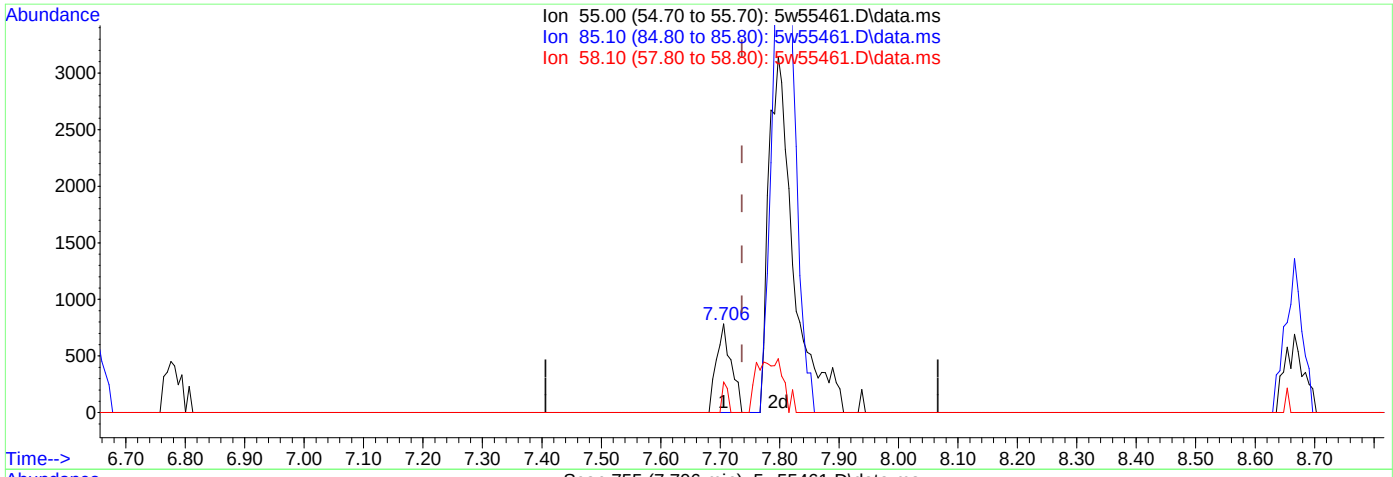
Quant Time: Dec 09 09:59:51 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

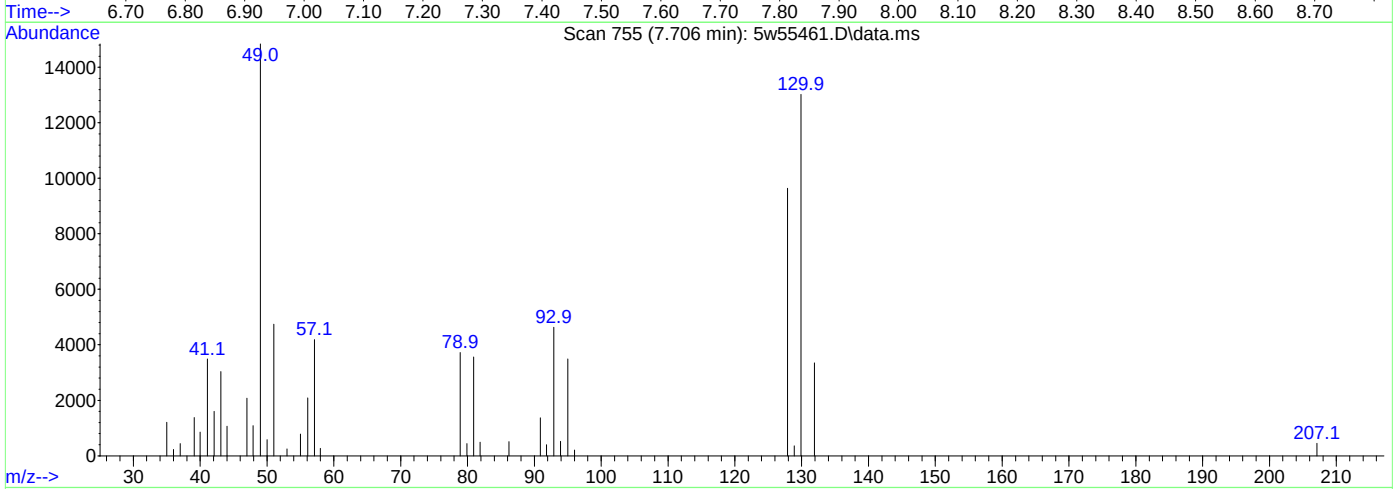


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.02PPBV

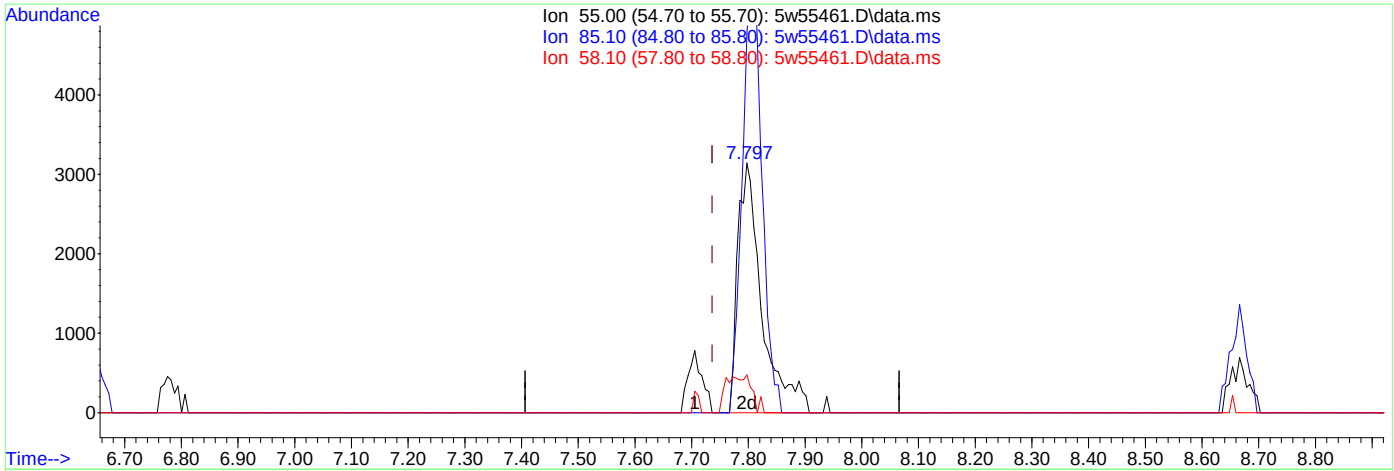
response 1349

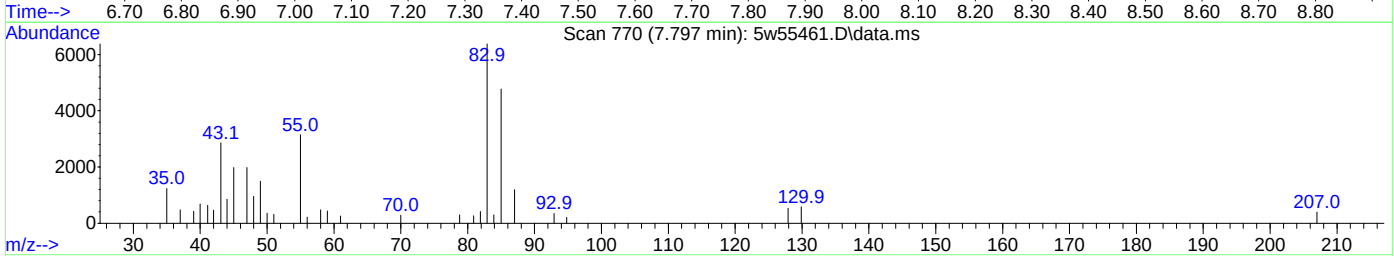
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 13.19 |
| 0.00 | 0.00 | 0.00 |

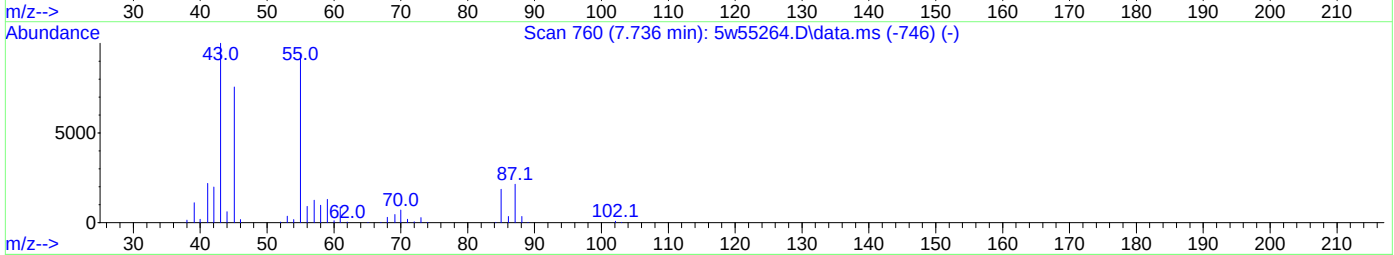
# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55461.D
Acq On : 9 Dec 2024 5:35 am
Operator : benk
Sample : ic2125-0.2
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 09:56:14 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55461.D\data.ms

(45) METHYL ACRYLATE

7.797min (+0.061) 0.13PPBV m

response 9313

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.663 | 128 | 330769 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1512302 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 803446 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.663 | 128 | 330769 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 985952 | 10.80 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 108.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 29319 | 0.53 | PPBV | | 99 |
| 3) FREON 152A | 3.546 | 65 | 13383 | 0.53 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 6908 | 0.51 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 29810 | 0.52 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 67318 | 0.54 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 16353 | 0.57 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 72198 | 0.58 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 94289 | 0.63 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 9386 | 0.61 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 32272 | 0.60 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 22258 | 0.63 | PPBV | | 92 |
| 13) n-BUTANE | 4.066 | 43 | 46066 | 0.70 | PPBV | # | 95 |
| 14) BROMOMETHANE | 4.231 | 94 | 34352 | 0.64 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 15312 | 0.64 | PPBV | | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 75373 | 0.64 | PPBV | | 99 |
| 17) ACETONITRILE | 4.635 | 41 | 25964 | 0.67 | PPBV | # | 91 |
| 18) ACROLEIN | 4.733 | 56 | 11639 | 0.65 | PPBV | # | 70 |
| 19) FREON 123 | 4.733 | 83 | 77441 | 0.64 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 41439 | 0.64 | PPBV | | 88 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 65623 | 0.59 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.075 | 45 | 39268 | 0.56 | PPBV | | 91 |
| 23) ACETONE | 4.855 | 58 | 15107 | 0.70 | PPBV | | 95 |
| 24) PENTANE | 5.234 | 42 | 20184 | 0.57 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 52352 | 0.54 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 19140 | 0.54 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 57576 | 0.55 | PPBV | | 94 |
| 28) ETHANOL | 4.476 | 45 | 20172 | 0.78 | PPBV | | 95 |
| 29) BROMOETHENE | 4.622 | 106 | 29626 | 0.59 | PPBV | | 94 |
| 30) ACRYLONITRILE | 5.216 | 52 | 13527 | 0.61 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 20169 | 0.60 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 8647 | 0.50 | PPBV | | 89 |
| 33) FREON 113 | 5.821 | 151 | 32099 | 0.55 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 20028 | 0.53 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 5.620 | 59 | 35107 | 0.47 | PPBV | | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.757 | 73 | 52017 | 0.51 | PPBV | | 94 |
| 37) TETRAHYDROFURAN | 8.311 | 72 | 7703 | 0.46 | PPBV | | 95 |
| 38) HEXANE | 7.706 | 57 | 28766 | 0.51 | PPBV | | 94 |
| 39) VINYL ACETATE | 6.831 | 86 | 2531 | 0.38 | PPBV | # | 75 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 39839 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.112 | 72 | 7562 | 0.44 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 20793 | 0.53 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.755 | 59 | 8150 | 0.47 | PPBV | # | 89 |
| 44) ETHYL ACETATE | 7.791 | 61 | 5941 | 0.48 | PPBV | # | 72 |
| 45) METHYL ACRYLATE | 7.773 | 55 | 30367m | 0.44 | PPBV | | |
| 46) CHLOROFORM | 7.804 | 83 | 51722 | 0.59 | PPBV | | 93 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 31054 | 0.49 | PPBV | | 91 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 49711 | 0.56 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 51155 | 0.54 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 32790 | 0.56 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 61342 | 0.54 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 22074 | 0.49 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 12638 | 0.53 | PPBV | | 99 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 29925 | 0.51 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 24473 | 0.52 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 25731 | 0.49 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 10.459 | 55 | 34390 | 0.41 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 54534 | 0.51 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 91844 | 0.50 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.752 | 88 | 11768 | 0.42 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 32330 | 0.51 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.966 | 69 | 18848 | 0.46 | PPBV | | 83 |
| 64) METHYL ISOBUTYL KETONE | 11.847 | 58 | 14953 | 0.43 | PPBV | | 90 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 36246 | 0.46 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 37107 | 0.44 | PPBV | | 94 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 36900 | 0.51 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.422 | 75 | 30719 | 0.41 | PPBV | | 98 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 25850 | 0.54 | PPBV | | 96 |
| 71) 2-HEXANONE | 13.414 | 58 | 18867 | 0.40 | PPBV | | 81 |
| 72) ETHYL METHACRYLATE | 13.420 | 69 | 27662 | 0.41 | PPBV | | 96 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 29587 | 0.56 | PPBV | | 97 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 49591 | 0.50 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.830 | 107 | 43159 | 0.55 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 39430 | 0.47 | PPBV | | 98 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 33689 | 0.53 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 61057 | 0.57 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.965 | 91 | 85402 | 0.50 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 62887 | 0.96 | PPBV | | 97 |
| 81) o-XYLENE | 16.901 | 106 | 31745 | 0.50 | PPBV | | 99 |
| 82) STYRENE | 16.754 | 104 | 41244 | 0.43 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 44116 | 0.51 | PPBV | | 99 |
| 84) BROMOFORM | 16.289 | 173 | 46583 | 0.47 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 65656 | 0.55 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 47874 | 0.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 96512 | 0.51 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 54823 | 0.55 | PPBV | | 97 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 22897 | 0.47 | PPBV | | 98 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 24216 | 0.48 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 90895 | 0.48 | PPBV | | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 80703 | 0.51 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 33242 | 0.41 | PPBV | | 98 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 15702 | 0.47 | PPBV | | 96 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 84521 | 0.49 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 62123 | 0.50 | PPBV | | 99 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 70482 | 0.40 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 63407 | 0.55 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 20901 | 0.52 | PPBV | | 93 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 81958 | 0.48 | PPBV | # | 99 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 24822 | 0.52 | PPBV | | 99 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 59304 | 0.54 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 20380 | 0.44 | PPBV | # | 85 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 42179 | 0.51 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.361 | 225 | 47455 | 0.44 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 41162 | 0.42 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.890 | 128 | 92472 | 0.40 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 140261 | 0.60 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

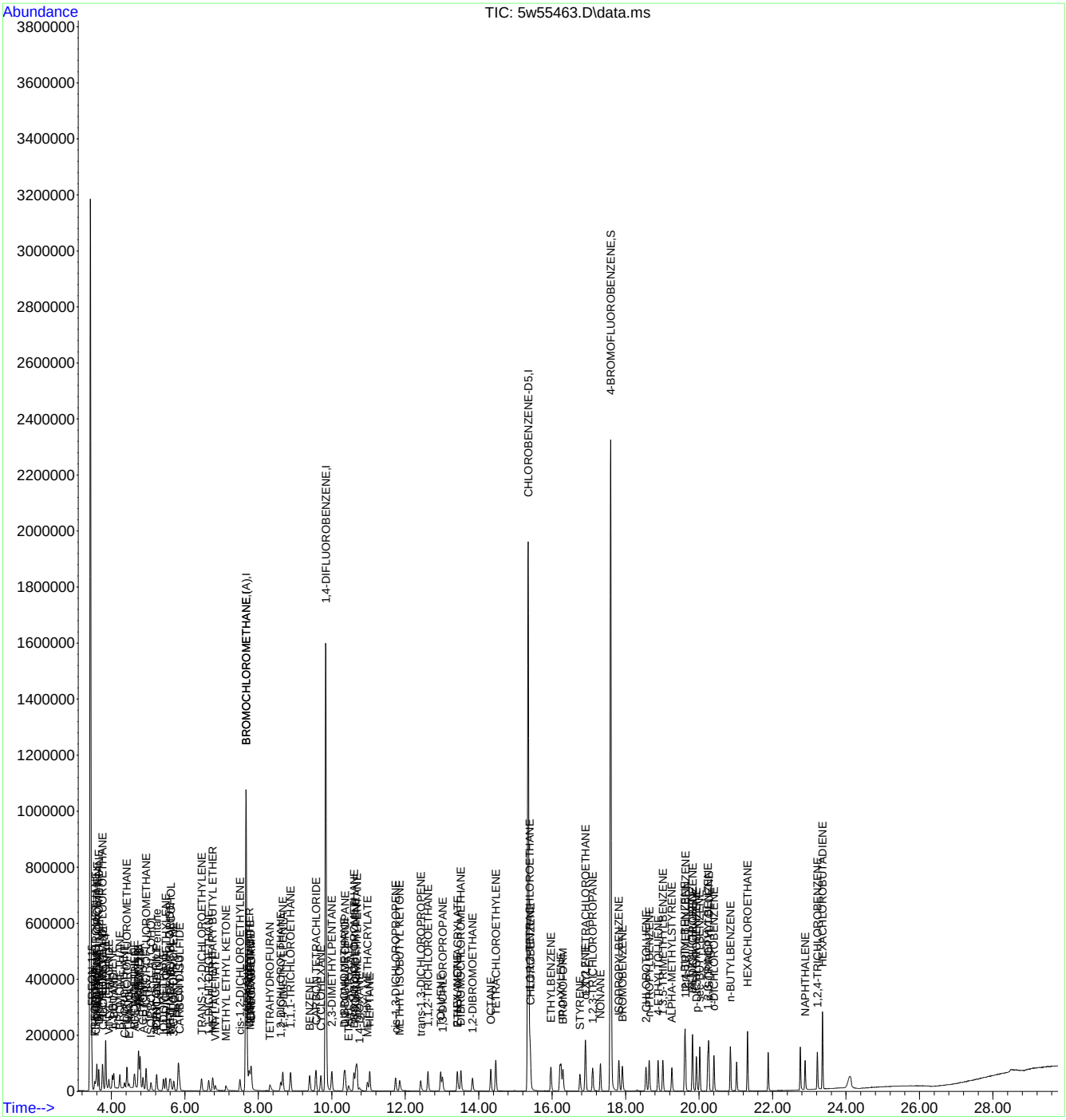
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

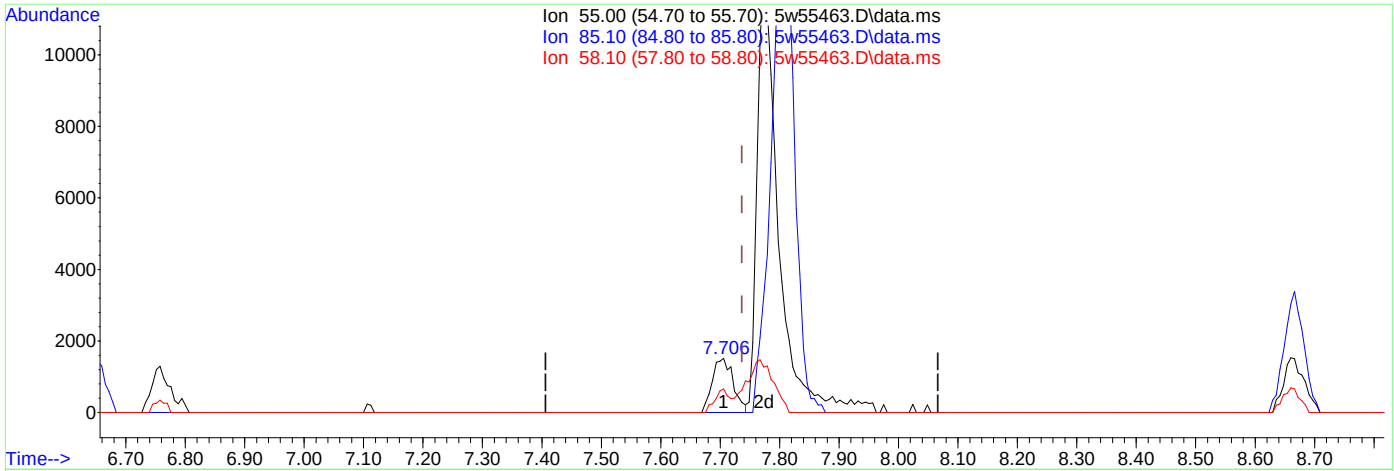
Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

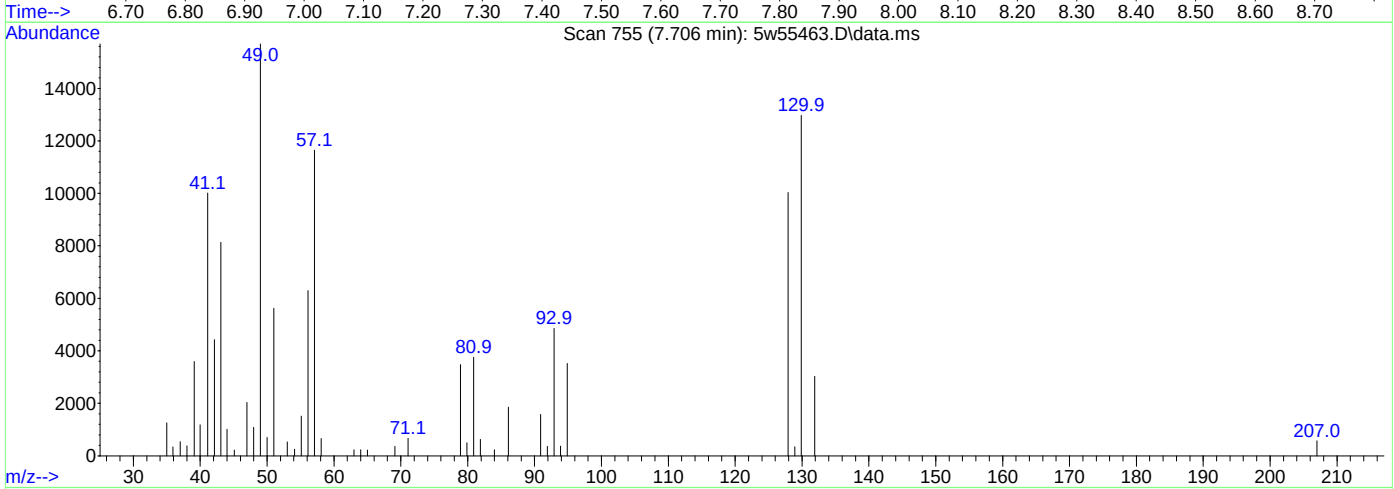


# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:04:00 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.706min (-0.031) 0.05PPBV

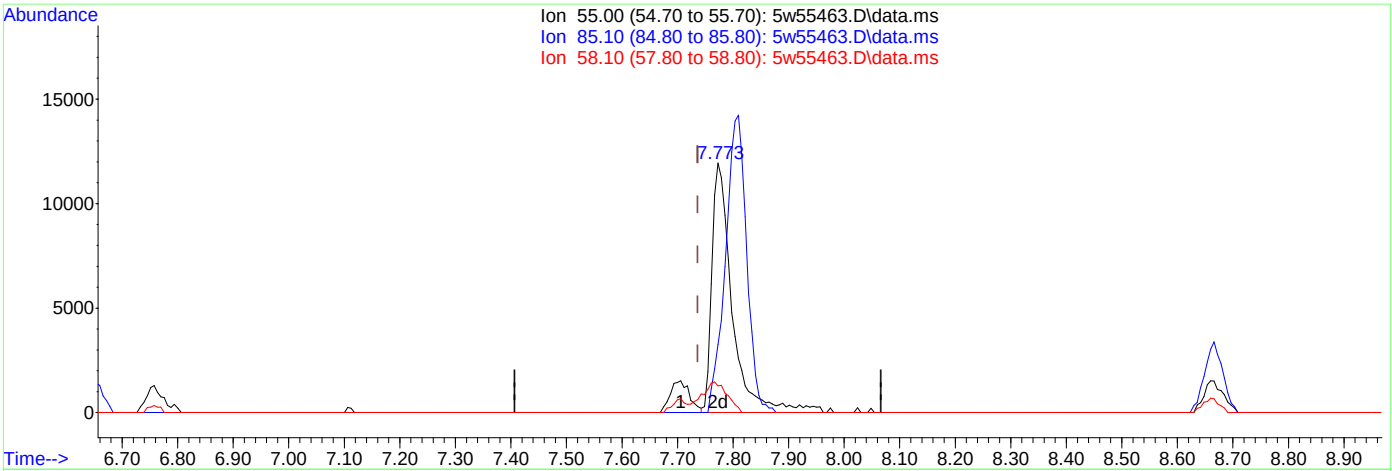
response 3694

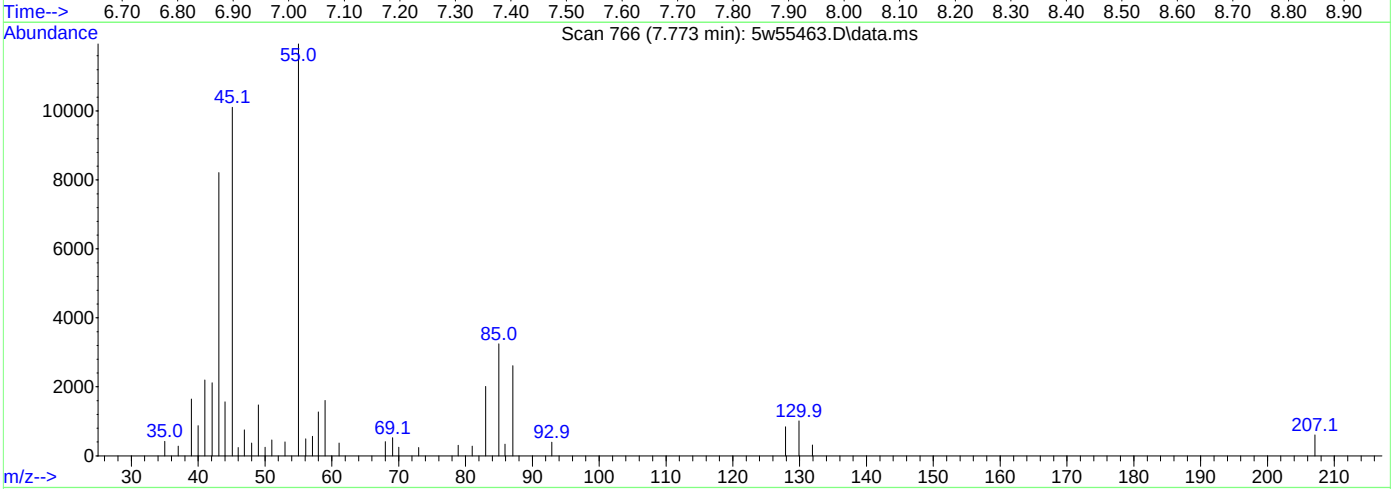
| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 33.73# |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w55463.D
Acq On : 9 Dec 2024 6:59 am
Operator : benk
Sample : ic2125-0.5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:05:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration




TIC: 5w55463.D\data.ms

(45) METHYL ACRYLATE

7.773min (+0.037) 0.44PPBV m

response 30367

| Ion | Exp% | Act% |
|---|---|---|
| 55.00 | 100 | 100 |
| 85.10 | 16.30 | 0.00# |
| 58.10 | 13.80 | 4.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 327920 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1483978 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 823417 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 327920 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 995950 | 10.64 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 106.40% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 112593 | 2.06 | PPBV | | 98 |
| 3) FREON 152A | 3.546 | 65 | 138374 | 5.57 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 71231 | 5.35 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 305049 | 5.34 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 679721 | 5.49 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 160514 | 5.68 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 719596 | 5.85 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 918552 | 6.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 3.772 | 52 | 89496 | 5.90 | PPBV | # | 71 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 318611 | 5.93 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 216237 | 6.19 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 413584 | 6.32 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 319635 | 5.98 | PPBV | | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 140980 | 5.93 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 720353 | 6.14 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 231715 | 6.04 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 103691 | 5.80 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 730677 | 6.12 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 396421 | 6.14 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 629552 | 5.66 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.038 | 45 | 341979 | 4.90 | PPBV | | 96 |
| 23) ACETONE | 4.830 | 58 | 136235 | 6.39 | PPBV | | 97 |
| 24) PENTANE | 5.228 | 42 | 201069 | 5.72 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 526543 | 5.43 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 189977 | 5.42 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 580467 | 5.55 | PPBV | | 99 |
| 28) ETHANOL | 4.457 | 45 | 137349 | 5.34 | PPBV | | 98 |
| 29) BROMOETHENE | 4.616 | 106 | 289326 | 5.82 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 145480 | 6.60 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 187716 | 5.61 | PPBV | | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 89978 | 5.26 | PPBV | | 97 |
| 33) FREON 113 | 5.822 | 151 | 310417 | 5.35 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 194904 | 5.24 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.558 | 59 | 337505 | 4.54 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 543685 | 5.34 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 8.256 | 72 | 86439 | 5.17 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 308459 | 5.52 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 34745 | 5.27 | PPBV | # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 386526 | 5.53 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.063 | 72 | 91801 | 5.38 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 208218 | 5.31 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 92706 | 5.43 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.761 | 61 | 65000 | 5.24 | PPBV | # | 38 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 368255 | 5.42 | PPBV | | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 482374 | 5.58 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 341067 | 5.46 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 479650 | 5.48 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 513289 | 5.43 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 319305 | 5.50 | PPBV | | 99 |
| 52) BENZENE | 9.400 | 78 | 616501 | 5.51 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 238638 | 5.36 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 125899 | 5.37 | PPBV | | 97 |
| 55) TRICHLOROETHYLENE | 10.648 | 95 | 298892 | 5.18 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 245875 | 5.34 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 261552 | 5.04 | PPBV | | 97 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 425993 | 5.12 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 540223 | 5.18 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 973540 | 5.44 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 10.685 | 88 | 122741 | 4.50 | PPBV | # | 1 |
| 62) HEPTANE | 11.028 | 43 | 344774 | 5.60 | PPBV | | 99 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 214720 | 5.32 | PPBV | | 98 |
| 64) METHYL ISOBUTYL KETONE | 11.799 | 58 | 181412 | 5.28 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 402547 | 5.22 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 422478 | 5.15 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.004 | 76 | 379761 | 5.34 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 358104 | 4.84 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 249437 | 5.34 | PPBV | | 99 |
| 71) 2-HEXANONE | 13.371 | 58 | 255379 | 5.25 | PPBV | | 99 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 365412 | 5.22 | PPBV | | 99 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 302043 | 5.57 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 540159 | 5.27 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 450832 | 5.58 | PPBV | | 100 |
| 76) OCTANE | 14.325 | 43 | 480408 | 5.59 | PPBV | | 99 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 351959 | 5.45 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 608780 | 5.52 | PPBV | | 99 |
| 79) ETHYLBENZENE | 15.959 | 91 | 974334 | 5.59 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 735362 | 10.95 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 369565 | 5.63 | PPBV | | 99 |
| 82) STYRENE | 16.748 | 104 | 552274 | 5.56 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 513330 | 5.74 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 529096 | 5.17 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 682433 | 5.57 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 482523 | 5.57 | PPBV | | 99 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 1073018 | 5.53 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.904 | 77 | 566636 | 5.50 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 264838 | 5.36 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 284766 | 5.48 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 1089019 | 5.65 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 921119 | 5.67 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 437586 | 5.24 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 191242 | 5.58 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 990160 | 5.65 | PPBV | | 99 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 668502 | 5.25 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 906932 | 5.04 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 664978 | 5.67 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 236216 | 5.70 | PPBV | | 96 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 964327 | 5.56 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 276086 | 5.66 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 622668 | 5.58 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 258808 | 5.51 | PPBV | | 98 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 467063 | 5.52 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 522385 | 4.72 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 465755 | 4.65 | PPBV | | 99 |
| 108) NAPHTHALENE | 22.884 | 128 | 1115447 | 4.69 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 1399979 | 6.08 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

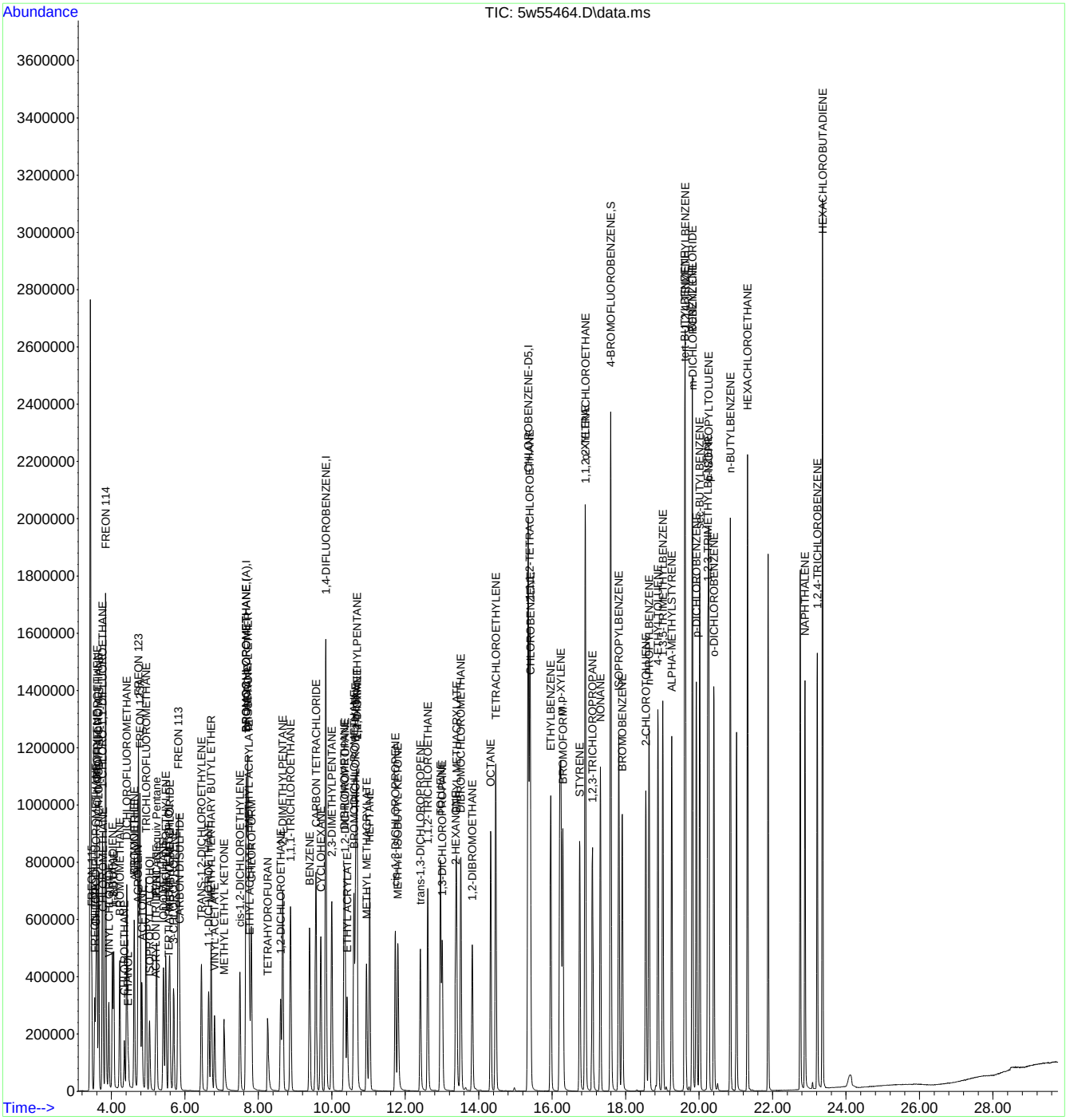
7.7.5

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55464.D
Acq On : 9 Dec 2024 7:45 am
Operator : benk
Sample : ic2125-5
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 10:08:17 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 339202 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1511260 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 875250 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 339202 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 994958 | 10.00 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.00% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 605693 | 10.70 | PPBV | | 100 |
| 3) FREON 152A | 3.546 | 65 | 275104 | 10.70 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146118 | 10.60 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 620588 | 10.50 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1357955 | 10.60 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 318393 | 10.90 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1349681 | 10.60 | PPBV | | 100 |
| 9) FREON 114 | 3.839 | 85 | 1681548 | 11.00 | PPBV | | 100 |
| 10) CHLOROMETHANE | 3.772 | 52 | 163220 | 10.40 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572748 | 10.30 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 390556 | 10.80 | PPBV | | 100 |
| 13) n-BUTANE | 4.066 | 43 | 731849 | 10.81 | PPBV | | 100 |
| 14) BROMOMETHANE | 4.231 | 94 | 580880 | 10.50 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 255610 | 10.40 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1285896 | 10.60 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 400956 | 10.10 | PPBV | | 100 |
| 18) ACROLEIN | 4.714 | 56 | 194255 | 10.50 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1310076 | 10.60 | PPBV | | 100 |
| 20) FREON 123A | 4.775 | 117 | 734746 | 11.00 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1219357 | 10.60 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 764798 | 10.60 | PPBV | | 100 |
| 23) ACETONE | 4.824 | 58 | 227018 | 10.30 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 396405 | 10.90 | PPBV | | 100 |
| 25) IODOMETHANE | 5.418 | 142 | 1102700 | 11.00 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 387658 | 10.70 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1147721 | 10.60 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 271251 | 10.20 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 544999 | 10.60 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 251010 | 11.01 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 363117 | 10.50 | PPBV | | 100 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 185861 | 10.50 | PPBV | | 100 |
| 33) FREON 113 | 5.822 | 151 | 636251 | 10.60 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 404191 | 10.50 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 761817 | 9.90 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 6.715 | 73 | 1138359 | 10.80 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 181760 | 10.50 | PPBV | | 100 |
| 38) HEXANE | 7.706 | 57 | 624158 | 10.80 | PPBV | | 100 |
| 39) VINYL ACETATE | 6.806 | 86 | 70963 | 10.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 773941 | 10.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 190475 | 10.80 | PPBV | | 100 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 434152 | 10.70 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190722 | 10.80 | PPBV | | 100 |
| 44) ETHYL ACETATE | 7.749 | 61 | 138469 | 10.80 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 759561 | 10.81 | PPBV | | 100 |
| 46) CHLOROFORM | 7.810 | 83 | 965951 | 10.80 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 697723 | 10.80 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 978590 | 10.80 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1055955 | 10.80 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 654982 | 10.90 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1252492 | 11.00 | PPBV | | 100 |
| 53) CYCLOHEXANE | 9.700 | 84 | 494054 | 10.90 | PPBV | | 100 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 257829 | 10.80 | PPBV | | 100 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 617097 | 10.50 | PPBV | | 100 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 491975 | 10.50 | PPBV | | 100 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 554921 | 10.50 | PPBV | | 100 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 906659 | 10.70 | PPBV | | 100 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1114691 | 10.50 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1969454 | 10.80 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 291854 | 10.50 | PPBV | | 100 |
| 62) HEPTANE | 11.028 | 43 | 690296 | 11.00 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 448158 | 10.90 | PPBV | | 100 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 377985 | 10.80 | PPBV | | 100 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 840076 | 10.70 | PPBV | | 100 |
| 66) TOLUENE | 12.961 | 92 | 885739 | 10.60 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 767017 | 10.60 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 768015 | 10.20 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 509433 | 10.70 | PPBV | | 100 |
| 71) 2-HEXANONE | 13.365 | 58 | 548403 | 10.60 | PPBV | | 100 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 781201 | 10.50 | PPBV | | 100 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 628078 | 10.90 | PPBV | | 100 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1144713 | 10.50 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 943815 | 11.00 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 995955 | 10.90 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 741767 | 10.80 | PPBV | | 100 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1266085 | 10.80 | PPBV | | 100 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2039775 | 11.00 | PPBV | | 100 |
| 80) m,p-XYLENE | 16.234 | 106 | 1527990 | 21.40 | PPBV | | 100 |
| 81) o-XYLENE | 16.901 | 106 | 760103 | 10.90 | PPBV | | 100 |
| 82) STYRENE | 16.754 | 104 | 1162167 | 11.00 | PPBV | | 100 |
| 83) NONANE | 17.311 | 43 | 1035723 | 10.90 | PPBV | | 100 |
| 84) BROMOFORM | 16.289 | 173 | 1163343 | 10.70 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1418746 | 10.90 | PPBV | | 100 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 975518 | 10.60 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2187498 | 10.60 | PPBV | | 100 |
| 89) BROMOBENZENE | 17.910 | 77 | 1139573 | 10.40 | PPBV | | 100 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 541116 | 10.30 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 585017 | 10.60 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.883 | 105 | 2232548 | 10.90 | PPBV | | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1882828 | 10.90 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 922485 | 10.40 | PPBV | | 100 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 400422 | 11.00 | PPBV | | 100 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2047810 | 11.00 | PPBV | | 100 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1407750 | 10.40 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 1990839 | 10.40 | PPBV | | 100 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1359653 | 10.90 | PPBV | | 100 |
| 100) sec-BUTYLBENZENE | 20.015 | 134 | 479738 | 10.90 | PPBV | | 100 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1974262 | 10.70 | PPBV | # | 100 |
| 102) p-ISOPROPYLTOLUENE | 20.265 | 134 | 559789 | 10.80 | PPBV | | 100 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1269083 | 10.70 | PPBV | | 100 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 539061 | 10.80 | PPBV | | 100 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 988753 | 11.00 | PPBV | | 100 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1271645 | 10.80 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1160909 | 10.90 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 2753803 | 10.90 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 2596090 | 10.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration

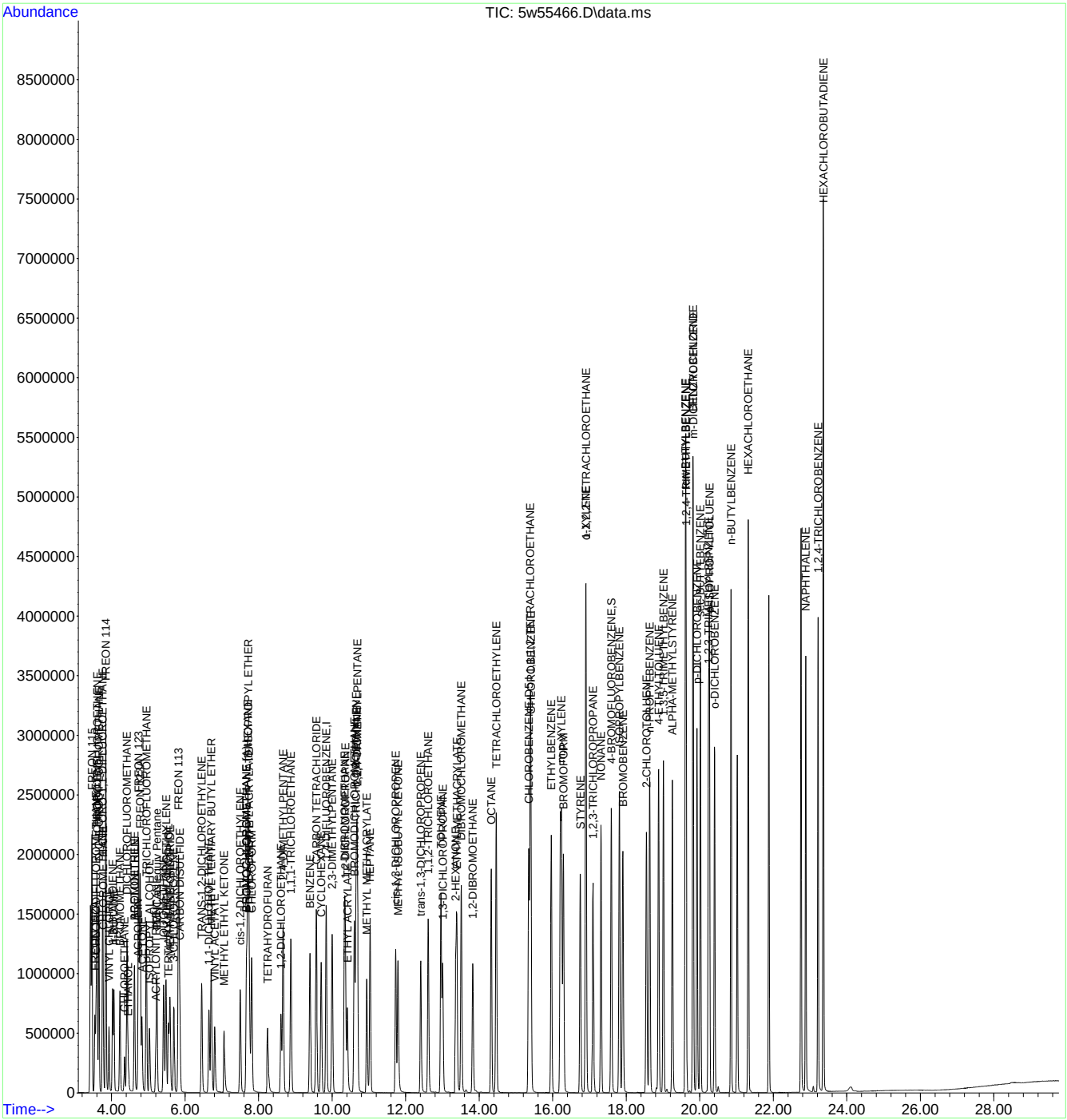
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55466.D
Acq On : 9 Dec 2024 9:03 am
Operator : benk
Sample : icc2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 09:37:50 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 09:37:40 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 342882 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1466721 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 922805 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 342882 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 962216 | 8.66 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 86.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 934470 | 19.68 | PPBV | 98 |
| 3) FREON 152A | 3.546 | 65 | 555724 | 22.02 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 300670 | 23.90 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 1281526 | 22.22 | PPBV | 100 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 2693197 | 21.30 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 643425 | 19.46 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 2571204 | 18.91 | PPBV | 100 |
| 9) FREON 114 | 3.839 | 85 | 3131351 | 18.84 | PPBV | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 310103 | 17.98 | PPBV | 96 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 1066972 | 17.42 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 737734 | 17.78 | PPBV | 99 |
| 13) n-BUTANE | 4.066 | 43 | 1358072 | 16.34 | PPBV | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 1092994 | 16.45 | PPBV | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 475231 | 16.78 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 2390761 | 16.93 | PPBV | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 742883 | 15.46 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 362625 | 18.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 2426147 | 17.04 | PPBV | 99 |
| 20) FREON 123A | 4.782 | 117 | 1384065 | 18.79 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 2407405 | 20.30 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 1487631 | 18.75 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 409828 | 12.79 | PPBV | 100 |
| 24) PENTANE | 5.234 | 42 | 771291 | 20.37 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 2200301 | 23.28 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 762107 | 20.94 | PPBV | 100 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 2235145 | 21.22 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 502201 | 15.69 | PPBV | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 1034552 | 19.32 | PPBV | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 489577 | 14.31 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 698189 | 18.40 | PPBV | 100 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 362658 | 21.91 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 1282144 | 21.91 | PPBV | 99 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 795699 | 20.82 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 1504766 | 22.16 | PPBV | 99 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 2261702 | 23.80 | PPBV | 100 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 361477 | 26.09 | PPBV | 98 |
| 38) HEXANE | 7.706 | 57 | 1299772 | 25.51 | PPBV | 98 |
| 39) VINYL ACETATE | 6.807 | 86 | 150354 | 28.46 | PPBV | # 94 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 1502107 | 20.85 | PPBV | 100 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 374963 | 27.41 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 852592 | 21.70 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 397171 | 26.25 | PPBV | 96 |
| 44) ETHYL ACETATE | 7.749 | 61 | 275669 | 27.45 | PPBV | # 99 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 1562708 | 25.53 | PPBV | 99 |
| 46) CHLOROFORM | 7.816 | 83 | 1887887 | 21.07 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 1404201 | 24.81 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 1974201 | 22.31 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.572 | 117 | 2157722 | 23.55 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 1304364 | 23.01 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 2480296 | 24.21 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 977006 | 26.51 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 518636 | 25.98 | PPBV | | 100 |
| 55) | TRICHLOROETHYLENE | 10.655 | 95 | 1261399 | 24.13 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 995547 | 22.86 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 10.336 | 174 | 1159519 | 22.34 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 1809029 | 28.78 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.606 | 83 | 2255590 | 24.75 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 3898314 | 25.47 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 596545 | 26.92 | PPBV | # | 34 |
| 62) | HEPTANE | 11.034 | 43 | 1372329 | 25.70 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 886208 | 27.70 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 763728 | 28.95 | PPBV | | 99 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 1712055 | 27.85 | PPBV | | 99 |
| 66) | TOLUENE | 12.961 | 92 | 1782618 | 26.48 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 1520252 | 24.75 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 1566263 | 28.62 | PPBV | | 100 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 1021706 | 24.00 | PPBV | | 100 |
| 71) | 2-HEXANONE | 13.359 | 58 | 1123497 | 27.97 | PPBV | | 99 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 1592458 | 26.68 | PPBV | | 100 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 1295487 | 21.06 | PPBV | | 100 |
| 74) | DIBROMOCHLOROMETHANE | 13.512 | 129 | 2360665 | 25.16 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.830 | 107 | 1912584 | 23.66 | PPBV | | 100 |
| 76) | OCTANE | 14.331 | 43 | 2007056 | 25.12 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 1557559 | 23.42 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 2596682 | 21.36 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.959 | 91 | 4106023 | 24.25 | PPBV | | 99 |
| 80) | m,p-XYLENE | 16.240 | 106 | 3148620 | 50.94 | PPBV | | 98 |
| 81) | o-XYLENE | 16.907 | 106 | 1571210 | 26.11 | PPBV | | 99 |
| 82) | STYRENE | 16.754 | 104 | 2380882 | 28.53 | PPBV | | 100 |
| 83) | NONANE | 17.317 | 43 | 2075321 | 24.63 | PPBV | | 100 |
| 84) | BROMOFORM | 16.295 | 173 | 2439049 | 29.26 | PPBV | | 100 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 2867748 | 22.16 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1910251 | 20.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 17.818 | 105 | 4416866 | 22.71 | PPBV | | 99 |
| 89) | BROMOBENZENE | 17.910 | 77 | 2298802 | 20.38 | PPBV | | 100 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 1104210 | 23.56 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.638 | 120 | 1183858 | 25.27 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 4498304 | 25.88 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 3785845 | 25.41 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 1903435 | 28.19 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.617 | 134 | 838658 | 31.61 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 4186232 | 26.94 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.819 | 146 | 2890142 | 23.15 | PPBV | | 100 |
| 98) | BENZYL CHLORIDE | 19.813 | 91 | 4095162 | 27.40 | PPBV | | 99 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 2725460 | 23.12 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 963244 | 24.93 | PPBV | | 97 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 4017952 | 25.38 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.265 | 134 | 1146159 | 25.56 | PPBV | | 96 |
| 103) | o-DICHLOROBENZENE | 20.406 | 146 | 2526786 | 21.80 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 1115820 | 28.21 | PPBV | | 96 |
| 105) | HEXACHLOROETHANE | 21.318 | 117 | 2036046 | 26.21 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 2757653 | 27.12 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 2474878 | 27.79 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.884 | 128 | 5516380 | 27.68 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 5095960 | 17.51 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration

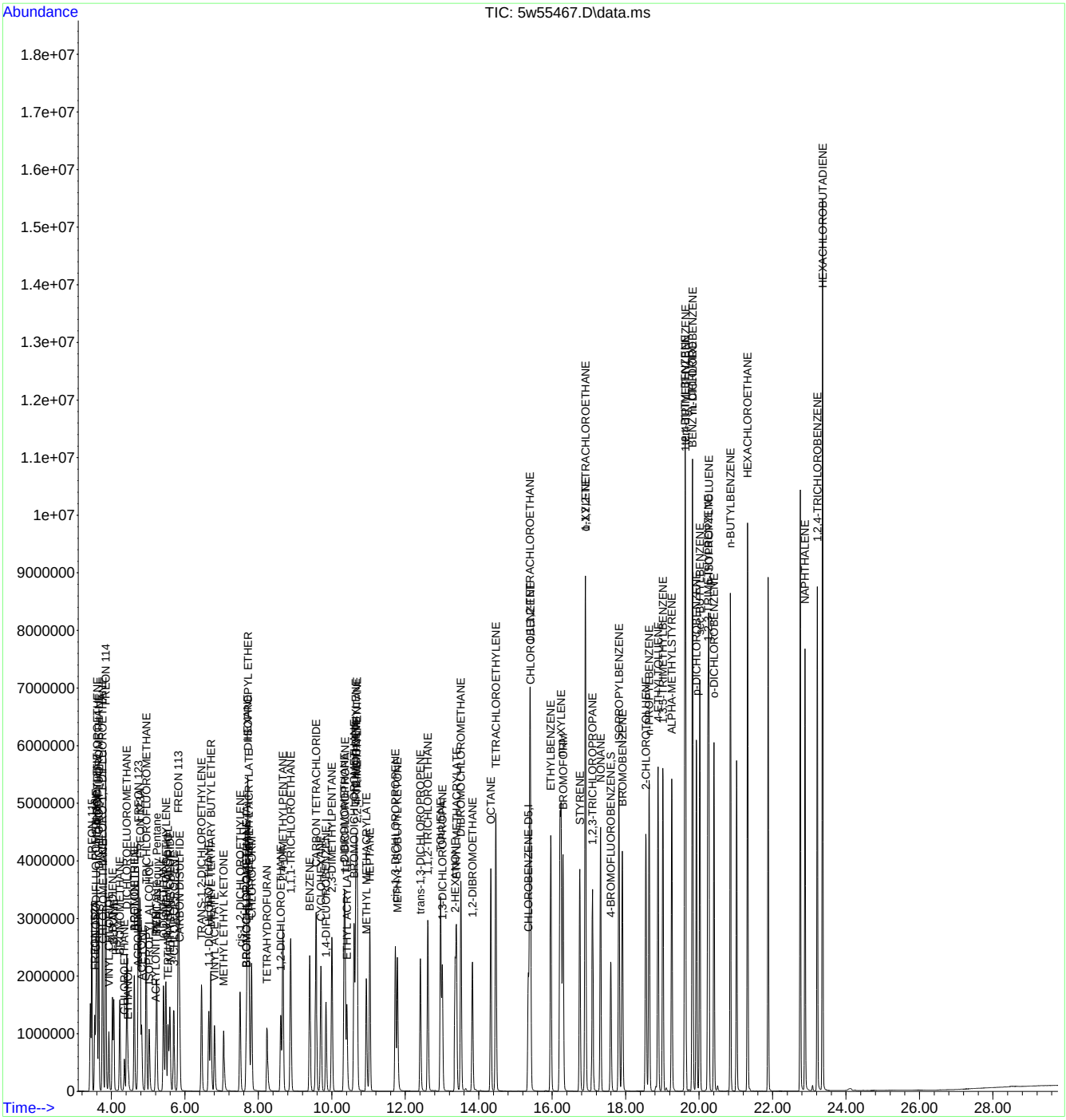
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55467.D
Acq On : 9 Dec 2024 9:45 am
Operator : benk
Sample : ic2125-20
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 10:15:13 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:14:37 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.675 | 128 | 341329 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.841 | 114 | 1382725 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1000073 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.675 | 128 | 341329 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 916347 | 7.75 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.50% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 3.540 | 65 | 1110003 | 44.01 | PPBV | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.570 | 67 | 618926 | 48.54 | PPBV | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.601 | 116 | 2675087 | 46.21 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 5267335 | 41.82 | PPBV | 98 |
| 7) PROPYLENE | 3.589 | 41 | 1264054 | 39.00 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 4841129 | 36.33 | PPBV | 99 |
| 9) FREON 114 | 3.839 | 85 | 5644224 | 34.83 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.766 | 52 | 586442 | 34.83 | PPBV | 95 |
| 11) VINYL CHLORIDE | 3.925 | 62 | 1976978 | 33.16 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.023 | 54 | 1352676 | 33.60 | PPBV | 98 |
| 13) n-BUTANE | 4.060 | 43 | 2400545 | 30.24 | PPBV | 99 |
| 14) BROMOMETHANE | 4.225 | 94 | 2043818 | 32.06 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 871035 | 31.77 | PPBV | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.414 | 67 | 4291710 | 31.43 | PPBV | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1277797 | 27.81 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 645615 | 33.04 | PPBV | 100 |
| 19) FREON 123 | 4.733 | 83 | 4240053 | 30.77 | PPBV | 98 |
| 20) FREON 123A | 4.775 | 117 | 2547507 | 35.48 | PPBV | 89 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 4713026 | 40.16 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 2716413 | 35.07 | PPBV | 100 |
| 23) ACETONE | 4.818 | 58 | 731236 | 24.80 | PPBV | 98 |
| 24) PENTANE | 5.228 | 42 | 1485676 | 39.79 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 4451630 | 46.92 | PPBV | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 1496349 | 41.43 | PPBV | 98 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 4309243 | 41.09 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 853574 | 28.43 | PPBV | 100 |
| 29) BROMOETHENE | 4.616 | 106 | 1928359 | 36.64 | PPBV | 99 |
| 30) ACRYLONITRILE | 5.204 | 52 | 958150 | 30.25 | PPBV | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1342564 | 36.18 | PPBV | 98 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 697695 | 42.08 | PPBV | 99 |
| 33) FREON 113 | 5.822 | 151 | 2636699 | 45.05 | PPBV | 97 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 1572877 | 41.40 | PPBV | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 2859765 | 41.60 | PPBV | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 4395819 | 45.80 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 8.226 | 72 | 698114 | 48.66 | PPBV | 96 |
| 38) HEXANE | 7.706 | 57 | 2611399 | 50.18 | PPBV | 95 |
| 39) VINYL ACETATE | 6.806 | 86 | 306105 | 54.21 | PPBV | # 87 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 2896622 | 40.54 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 729314 | 51.25 | PPBV | 97 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 1696626 | 43.29 | PPBV | 99 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 811232 | 52.00 | PPBV | # 88 |
| 44) ETHYL ACETATE | 7.749 | 61 | 550445 | 52.69 | PPBV | # 97 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3113267 | 49.30 | PPBV | 98 |
| 46) CHLOROFORM | 7.816 | 83 | 3681330 | 41.42 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 2767046 | 48.09 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 3966870 | 44.82 | PPBV | 99 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 4344419 | 47.03 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 8.611 | 62 | 2563201 | 45.07 | PPBV | | 100 |
| 52) | BENZENE | 9.400 | 78 | 4805887 | 49.06 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 1932753 | 53.96 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1034868 | 53.44 | PPBV | | 97 |
| 55) | TRICHLOROETHYLENE | 10.654 | 95 | 2594903 | 51.56 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 1968777 | 47.35 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 10.342 | 174 | 2452377 | 49.66 | PPBV | | 96 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 3514442 | 56.09 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.612 | 83 | 4532566 | 51.44 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.691 | 57 | 7451774 | 50.35 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 1171033 | 53.54 | PPBV | # | 1 |
| 62) | HEPTANE | 11.034 | 43 | 2670311 | 51.81 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 1706636 | 54.15 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 1514817 | 57.65 | PPBV | | 96 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 3416380 | 56.51 | PPBV | | 98 |
| 66) | TOLUENE | 12.967 | 92 | 3622228 | 55.11 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.010 | 76 | 2997850 | 50.56 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 3139635 | 57.54 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2047204 | 50.14 | PPBV | | 99 |
| 71) | 2-HEXANONE | 13.359 | 58 | 2249832 | 49.07 | PPBV | | 96 |
| 72) | ETHYL METHACRYLATE | 13.395 | 69 | 3192358 | 47.23 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.472 | 164 | 2700260 | 40.71 | PPBV | | 99 |
| 74) | DIBROMOCHLOROMETHANE | 13.518 | 129 | 4797242 | 45.88 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.836 | 107 | 3887570 | 43.91 | PPBV | | 100 |
| 76) | OCTANE | 14.337 | 43 | 3923196 | 44.34 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.396 | 131 | 3275763 | 44.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 15.414 | 112 | 5271880 | 40.07 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 15.965 | 91 | 8126299 | 43.65 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.246 | 106 | 6467969 | 94.01 | PPBV | | 92 |
| 81) | o-XYLENE | 16.907 | 106 | 3188562 | 47.55 | PPBV | | 95 |
| 82) | STYRENE | 16.754 | 104 | 4879514 | 51.77 | PPBV | | 99 |
| 83) | NONANE | 17.317 | 43 | 3987420 | 42.86 | PPBV | | 97 |
| 84) | BROMOFORM | 16.301 | 173 | 5078215 | 52.97 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 5613840 | 39.93 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.103 | 75 | 3751035 | 36.66 | PPBV | | 97 |
| 88) | ISOPROPYLBENZENE | 17.824 | 105 | 8798069 | 41.32 | PPBV | | 97 |
| 89) | BROMOBENZENE | 17.916 | 77 | 4625514 | 37.94 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.552 | 126 | 2317722 | 44.71 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.644 | 120 | 2469115 | 47.34 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 18.883 | 105 | 8909475 | 46.07 | PPBV | | 96 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.017 | 105 | 7582950 | 45.88 | PPBV | | 97 |
| 94) | ALPHA-METHYLSTYRENE | 19.262 | 118 | 3974554 | 51.70 | PPBV | | 99 |
| 95) | tert-BUTYLBENZENE | 19.623 | 134 | 1750552 | 57.31 | PPBV | # | 88 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.635 | 105 | 8073536 | 46.45 | PPBV | | 96 |
| 97) | m-DICHLOROBENZENE | 19.825 | 146 | 5812290 | 42.28 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.819 | 91 | 7865415 | 46.45 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.929 | 146 | 5572136 | 43.25 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.021 | 134 | 1985344 | 46.46 | PPBV | # | 80 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.241 | 105 | 7982379 | 45.32 | PPBV | # | 96 |
| 102) | p-ISOPROPYLTOLUENE | 20.272 | 134 | 2391446 | 47.95 | PPBV | # | 84 |
| 103) | o-DICHLOROBENZENE | 20.412 | 146 | 5204091 | 41.33 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.859 | 134 | 2355801 | 52.65 | PPBV | # | 78 |
| 105) | HEXACHLOROETHANE | 21.324 | 117 | 4095368 | 47.35 | PPBV | | 94 |
| 106) | HEXACHLOROBUTADIENE | 23.367 | 225 | 5758391 | 50.41 | PPBV | | 98 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 5399109 | 53.83 | PPBV | | 99 |
| 108) | NAPHTHALENE | 22.890 | 128 | 10659068 | 47.52 | PPBV | | 95 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 9863883 | 35.04 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration

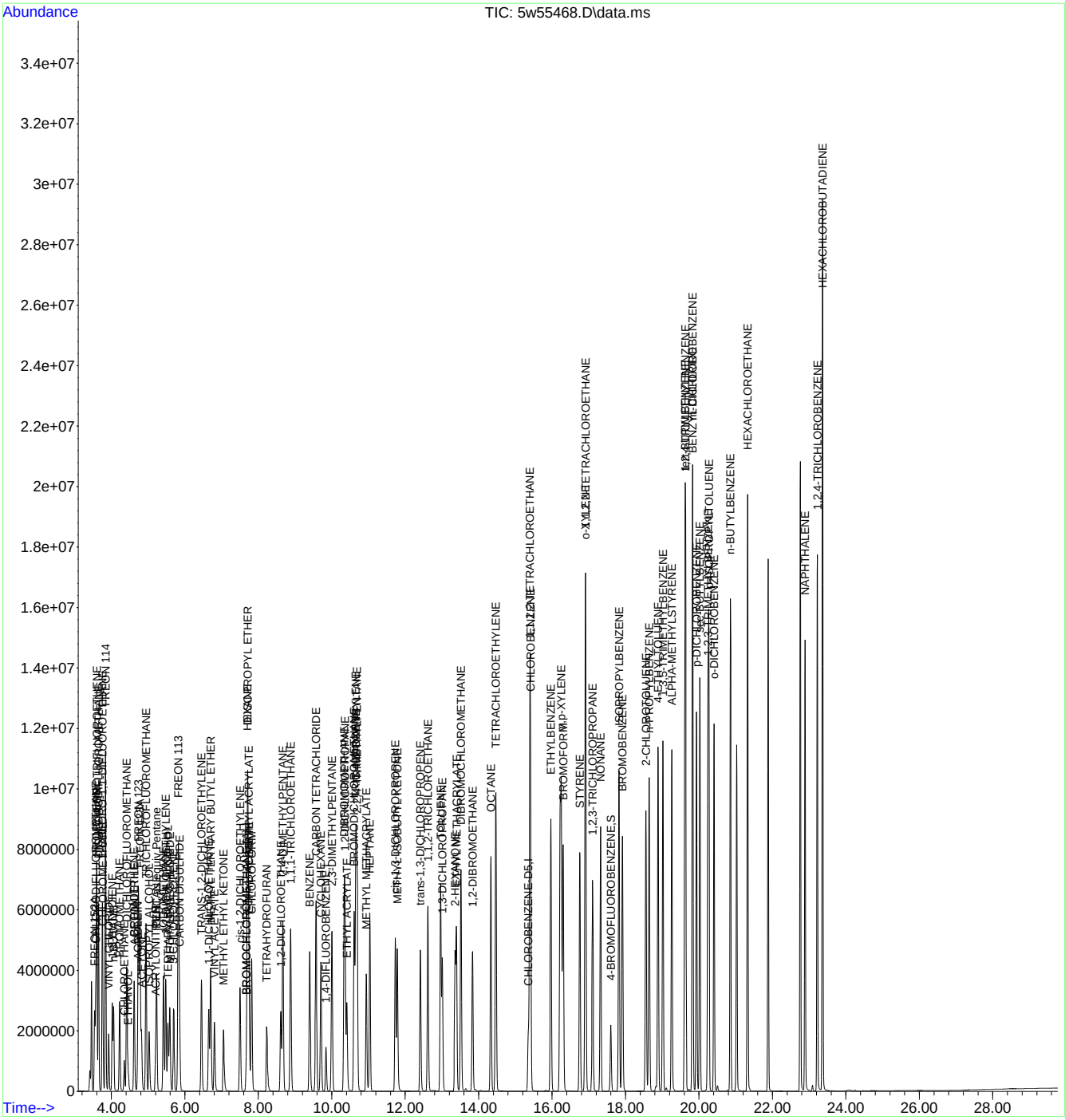
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55468.D
Acq On : 9 Dec 2024 10:29 am
Operator : benk
Sample : ic2125-40
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 12:17:33 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 10:16:29 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.681 | 128 | 363096 | 10.00 | PPBV | | 0.01 |
| 51) 1,4-DIFLUOROBENZENE | 9.847 | 114 | 1435494 | 10.00 | PPBV | | 0.01 |
| 70) CHLOROBENZENE-D5 | 15.353 | 82 | 1087902 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.681 | 128 | 363096 | 10.00 | PPBV | # | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.598 | 95 | 962842 | 7.71 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 77.10% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) FREON 152A | 3.546 | 65 | 1409928 | 52.36 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 788640 | 57.10 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 3518696 | 56.43 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 6578479 | 49.18 | PPBV | | 97 |
| 7) PROPYLENE | 3.601 | 41 | 1558841 | 45.82 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 5783866 | 41.54 | PPBV | | 98 |
| 9) FREON 114 | 3.839 | 85 | 6688154 | 39.83 | PPBV | | 92 |
| 10) CHLOROMETHANE | 3.772 | 52 | 708046 | 40.35 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 2437569 | 39.40 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 1667571 | 40.06 | PPBV | | 97 |
| 13) n-BUTANE | 4.066 | 43 | 2956319 | 36.57 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 2585698 | 39.46 | PPBV | | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 1112344 | 39.30 | PPBV | | 100 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 5325853 | 37.89 | PPBV | | 99 |
| 17) ACETONITRILE | 4.622 | 41 | 1590540 | 34.05 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 812347 | 40.31 | PPBV | | 100 |
| 19) FREON 123 | 4.739 | 83 | 5322727 | 37.60 | PPBV | | 97 |
| 20) FREON 123A | 4.782 | 117 | 3262064 | 43.77 | PPBV | | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 5912238 | 47.68 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 5.032 | 45 | 3130594 | 38.96 | PPBV | | 100 |
| 24) PENTANE | 5.234 | 42 | 1801214 | 45.85 | PPBV | | 98 |
| 25) IODOMETHANE | 5.424 | 142 | 5859104 | 57.57 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 1920392 | 50.18 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 5333899 | 48.00 | PPBV | | 98 |
| 28) ETHANOL | 4.457 | 45 | 1061688 | 35.38 | PPBV | | 100 |
| 29) BROMOETHENE | 4.622 | 106 | 2463970 | 44.77 | PPBV | | 99 |
| 30) ACRYLONITRILE | 5.210 | 52 | 1172261 | 36.70 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.595 | 84 | 1703220 | 43.91 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 5.699 | 76 | 888181 | 50.35 | PPBV | | 93 |
| 33) FREON 113 | 5.822 | 151 | 3534845 | 56.33 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.458 | 96 | 2032870 | 50.39 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 3417331 | 46.44 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 5589862 | 54.34 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 882416 | 56.54 | PPBV | | 93 |
| 38) HEXANE | 7.712 | 57 | 3251354 | 57.57 | PPBV | | 93 |
| 39) VINYL ACETATE | 6.813 | 86 | 398132 | 63.09 | PPBV | # | 74 |
| 40) 1,1-DICHLOROETHANE | 6.654 | 63 | 3625488 | 48.02 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 929876 | 59.84 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.504 | 96 | 2196558 | 52.61 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 1010128 | 59.15 | PPBV | # | 83 |
| 44) ETHYL ACETATE | 7.749 | 61 | 686502 | 59.89 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 7.736 | 55 | 3866289 | 56.23 | PPBV | | 97 |
| 46) CHLOROFORM | 7.822 | 83 | 4663315 | 49.57 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.672 | 57 | 3422747 | 55.14 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 8.880 | 97 | 5135690 | 54.30 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 9.572 | 117 | 5694246 | 57.32 | PPBV | | 99 |
| 50) 1,2-DICHLOROETHANE | 8.611 | 62 | 3247346 | 53.45 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration

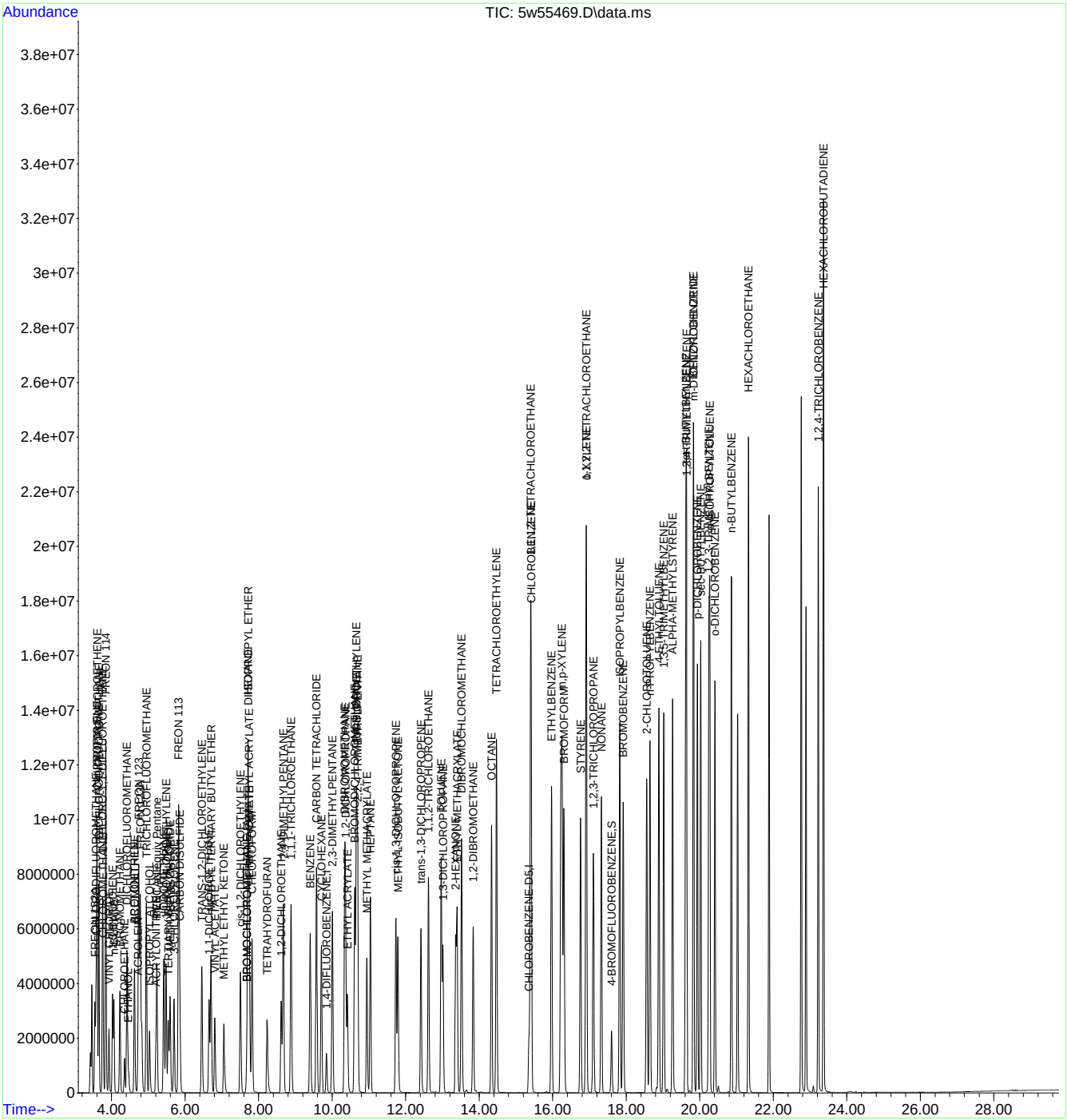
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 52) BENZENE | 9.406 | 78 | 6113532 | 59.26 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.706 | 84 | 2475588 | 64.65 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.006 | 71 | 1313485 | 63.46 | PPBV | | 94 |
| 55) TRICHLOROETHYLENE | 10.661 | 95 | 3350858 | 62.36 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.367 | 63 | 2447772 | 55.81 | PPBV | | 97 |
| 57) DIBROMOMETHANE | 10.342 | 174 | 3348127 | 63.85 | PPBV | | 91 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 4375473 | 64.41 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.618 | 83 | 5756859 | 61.21 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.697 | 57 | 9040011 | 57.64 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 10.667 | 88 | 1504708 | 63.77 | PPBV | # | 1 |
| 62) HEPTANE | 11.040 | 43 | 3250063 | 59.42 | PPBV | | 96 |
| 63) METHYL METHACRYLATE | 10.942 | 69 | 2166506 | 64.00 | PPBV | | 99 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 1897421 | 66.38 | PPBV | | 93 |
| 65) cis-1,3-DICHLOROPROPENE | 11.737 | 75 | 4365639 | 66.88 | PPBV | | 98 |
| 66) TOLUENE | 12.967 | 92 | 4696538 | 66.34 | PPBV | | 96 |
| 67) 1,3-DICHLOROPROPANE | 13.016 | 76 | 3810935 | 60.45 | PPBV | # | 99 |
| 68) trans-1,3-DICHLOROPROPENE | 12.416 | 75 | 4045609 | 64.37 | PPBV | | 97 |
| 69) 1,1,2-TRICHLOROETHANE | 12.618 | 83 | 2637082 | 60.91 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.359 | 58 | 2840400 | 51.38 | PPBV | | 93 |
| 72) ETHYL METHACRYLATE | 13.395 | 69 | 4057750 | 54.22 | PPBV | | 95 |
| 73) TETRACHLOROETHYLENE | 14.472 | 164 | 3652923 | 51.05 | PPBV | | 98 |
| 74) DIBROMOCHLOROMETHANE | 13.518 | 129 | 6267031 | 54.46 | PPBV | | 99 |
| 75) 1,2-DIBROMOETHANE | 13.836 | 107 | 5059319 | 52.54 | PPBV | | 100 |
| 76) OCTANE | 14.337 | 43 | 4818681 | 49.96 | PPBV | | 93 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.402 | 131 | 4326992 | 54.27 | PPBV | | 98 |
| 78) CHLOROBENZENE | 15.414 | 112 | 6799424 | 47.95 | PPBV | | 97 |
| 79) ETHYLBENZENE | 15.965 | 91 | 10258201 | 50.70 | PPBV | | 95 |
| 80) m,p-XYLENE | 16.246 | 106 | 8436000 | 111.35 | PPBV | | 88 |
| 81) o-XYLENE | 16.913 | 106 | 4070628 | 55.18 | PPBV | | 92 |
| 82) STYRENE | 16.760 | 104 | 6336380 | 60.46 | PPBV | | 99 |
| 83) NONANE | 17.323 | 43 | 4885695 | 48.38 | PPBV | | 95 |
| 84) BROMOFORM | 16.301 | 173 | 6736389 | 57.61 | PPBV | | 98 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.913 | 83 | 6857413 | 45.32 | PPBV | | 98 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.109 | 75 | 4752860 | 43.44 | PPBV | | 95 |
| 88) ISOPROPYLBENZENE | 17.824 | 105 | 11140531 | 48.25 | PPBV | | 96 |
| 89) BROMOBENZENE | 17.916 | 77 | 5858269 | 44.66 | PPBV | | 92 |
| 90) 2-CHLOROTOLUENE | 18.552 | 126 | 3066170 | 53.80 | PPBV | | 99 |
| 91) n-PROPYLBENZENE | 18.644 | 120 | 3235225 | 56.20 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 18.889 | 105 | 11113673 | 52.46 | PPBV | | 94 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.024 | 105 | 9540125 | 52.72 | PPBV | | 95 |
| 94) ALPHA-METHYLSTYRENE | 19.262 | 118 | 5169037 | 56.23 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.623 | 134 | 2268727 | 58.03 | PPBV | # | 82 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.641 | 105 | 9871747 | 51.85 | PPBV | | 93 |
| 97) m-DICHLOROBENZENE | 19.831 | 146 | 7376020 | 49.22 | PPBV | | 98 |
| 98) BENZYL CHLORIDE | 19.825 | 91 | 9467573 | 50.66 | PPBV | | 95 |
| 99) p-DICHLOROBENZENE | 19.935 | 146 | 7163876 | 51.16 | PPBV | | 97 |
| 100) sec-BUTYLBENZENE | 20.027 | 134 | 2603292 | 55.55 | PPBV | # | 67 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.247 | 105 | 9909252 | 51.34 | PPBV | # | 93 |
| 102) p-ISOPROPYLTOLUENE | 20.272 | 134 | 3067541 | 55.77 | PPBV | # | 77 |
| 103) o-DICHLOROBENZENE | 20.412 | 146 | 6729808 | 49.34 | PPBV | | 98 |
| 104) n-BUTYLBENZENE | 20.865 | 134 | 3076474 | 61.52 | PPBV | # | 67 |
| 105) HEXACHLOROETHANE | 21.324 | 117 | 5060035 | 53.27 | PPBV | | 91 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 7021325 | 55.35 | PPBV | | 97 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.226 | 180 | 6957395 | 61.95 | PPBV | | 99 |
| 110) TVHC as equiv Pentane | 5.234 | TIC | 12050439 | 41.25 | PPBV | | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55469.D
Acq On : 9 Dec 2024 11:14 am
Operator : benk
Sample : ic2125-50
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 09 14:36:15 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 11:06:14 2024
Response via : Initial Calibration



# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 367475 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1638649 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 911415 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 367475 | 10.00 | PPBV | # | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1063310 | 10.42 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 104.20% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) FREON 115 | 3.460 | 119 | 609290 | 12.11 | PPBV | | 96 |
| 3) FREON 152A | 3.546 | 65 | 260396 | 9.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 146420 | 10.39 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 632936 | 9.95 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.650 | 85 | 1344712 | 10.01 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 286338 | 8.47 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1363042 | 9.91 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1731966 | 10.51 | PPBV | | 98 |
| 10) CHLOROMETHANE | 3.772 | 52 | 156442 | 9.03 | PPBV | # | 84 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 572576 | 9.39 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 394416 | 9.64 | PPBV | | 98 |
| 13) n-BUTANE | 4.066 | 43 | 729754 | 9.30 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 601870 | 9.37 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 259712 | 9.32 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1337017 | 9.71 | PPBV | | 100 |
| 17) ACETONITRILE | 4.616 | 41 | 408916 | 9.02 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 206598 | 10.43 | PPBV | | 100 |
| 19) FREON 123 | 4.733 | 83 | 1322073 | 9.54 | PPBV | | 98 |
| 20) FREON 123A | 4.775 | 117 | 716793 | 9.72 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 1280625 | 10.32 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 746766 | 9.50 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 228297 | 7.70 | PPBV | | 98 |
| 24) PENTANE | 5.234 | 42 | 361550 | 9.26 | PPBV | | 98 |
| 25) IODOMETHANE | 5.418 | 142 | 1165392 | 11.26 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 397014 | 10.32 | PPBV | | 94 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1188347 | 10.68 | PPBV | | 100 |
| 28) ETHANOL | 4.457 | 45 | 231689 | 8.04 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 574006 | 10.49 | PPBV | | 100 |
| 30) ACRYLONITRILE | 5.204 | 52 | 234694 | 7.62 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 367561 | 9.54 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 183296 | 10.31 | PPBV | | 94 |
| 33) FREON 113 | 5.822 | 151 | 692675 | 10.83 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 415687 | 10.23 | PPBV | | 96 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 838007 | 11.33 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.709 | 73 | 1138293 | 10.93 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.244 | 72 | 182808 | 11.46 | PPBV | | 94 |
| 38) HEXANE | 7.706 | 57 | 580332 | 10.08 | PPBV | | 98 |
| 39) VINYL ACETATE | 6.806 | 86 | 76162 | 11.57 | PPBV | # | 78 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 737374 | 9.76 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 183994 | 11.54 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 438839 | 10.40 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 182011 | 10.41 | PPBV | | 94 |
| 44) ETHYL ACETATE | 7.749 | 61 | 132720 | 11.29 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 734957 | 10.50 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 994491 | 10.54 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.666 | 57 | 665821 | 10.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1027293 | 10.72 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) CARBON TETRACHLORIDE | 9.566 | 117 | 1117143 | 11.04 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 8.605 | 62 | 644626 | 10.51 | PPBV | | 100 |
| 52) BENZENE | 9.400 | 78 | 1241071 | 10.45 | PPBV | | 99 |
| 53) CYCLOHEXANE | 9.700 | 84 | 497434 | 11.15 | PPBV | | 96 |
| 54) 2,3-DIMETHYLPENTANE | 10.000 | 71 | 255937 | 10.63 | PPBV | | 95 |
| 55) TRICHLOROETHYLENE | 10.655 | 95 | 628915 | 10.04 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 10.361 | 63 | 480413 | 9.53 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 10.336 | 174 | 607456 | 9.91 | PPBV | | 96 |
| 58) ETHYL ACRYLATE | 10.416 | 55 | 889260 | 11.18 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 10.606 | 83 | 1129142 | 10.33 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1875164 | 10.40 | PPBV | | 100 |
| 61) 1,4-DIOXANE | 10.673 | 88 | 305770 | 11.05 | PPBV | # | 88 |
| 62) HEPTANE | 11.034 | 43 | 644985 | 10.24 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 10.936 | 69 | 440067 | 11.15 | PPBV | | 97 |
| 64) METHYL ISOBUTYL KETONE | 11.792 | 58 | 365625 | 10.89 | PPBV | | 96 |
| 65) cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 791718 | 10.34 | PPBV | | 99 |
| 66) TOLUENE | 12.961 | 92 | 897196 | 10.80 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 13.010 | 76 | 768595 | 10.52 | PPBV | # | 100 |
| 68) trans-1,3-DICHLOROPROPENE | 12.410 | 75 | 763107 | 10.83 | PPBV | | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 511400 | 10.19 | PPBV | | 98 |
| 71) 2-HEXANONE | 13.365 | 58 | 533643 | 12.41 | PPBV | | 98 |
| 72) ETHYL METHACRYLATE | 13.389 | 69 | 797333 | 12.67 | PPBV | | 97 |
| 73) TETRACHLOROETHYLENE | 14.466 | 164 | 678237 | 11.39 | PPBV | | 99 |
| 74) DIBROMOCHLOROMETHANE | 13.511 | 129 | 1221557 | 12.62 | PPBV | | 100 |
| 75) 1,2-DIBROMOETHANE | 13.823 | 107 | 968537 | 12.07 | PPBV | | 100 |
| 76) OCTANE | 14.331 | 43 | 928927 | 11.60 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 15.390 | 131 | 789303 | 11.81 | PPBV | | 99 |
| 78) CHLOROBENZENE | 15.408 | 112 | 1302463 | 11.10 | PPBV | | 98 |
| 79) ETHYLBENZENE | 15.959 | 91 | 2069237 | 12.31 | PPBV | | 99 |
| 80) m,p-XYLENE | 16.234 | 106 | 1576639 | 24.73 | PPBV | | 98 |
| 81) o-XYLENE | 16.901 | 106 | 773169 | 12.49 | PPBV | | 97 |
| 82) STYRENE | 16.754 | 104 | 1182327 | 13.32 | PPBV | | 99 |
| 83) NONANE | 17.311 | 43 | 964575 | 11.55 | PPBV | | 97 |
| 84) BROMOFORM | 16.289 | 173 | 1229686 | 12.42 | PPBV | | 100 |
| 86) 1,1,2,2-TETRACHLOROETHANE | 16.907 | 83 | 1398226 | 11.24 | PPBV | | 99 |
| 87) 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 977028 | 10.88 | PPBV | | 98 |
| 88) ISOPROPYLBENZENE | 17.812 | 105 | 2272900 | 11.87 | PPBV | | 99 |
| 89) BROMOBENZENE | 17.910 | 77 | 1152759 | 10.66 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 18.546 | 126 | 580224 | 12.09 | PPBV | | 100 |
| 91) n-PROPYLBENZENE | 18.638 | 120 | 614508 | 12.66 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 18.877 | 105 | 2276515 | 12.88 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1926471 | 12.75 | PPBV | | 99 |
| 94) ALPHA-METHYLSTYRENE | 19.256 | 118 | 964352 | 11.83 | PPBV | | 99 |
| 95) tert-BUTYLBENZENE | 19.611 | 134 | 426733 | 12.94 | PPBV | | 97 |
| 96) 1,2,4-TRIMETHYLBENZENE | 19.629 | 105 | 2101835 | 13.26 | PPBV | | 98 |
| 97) m-DICHLOROBENZENE | 19.819 | 146 | 1483124 | 11.88 | PPBV | | 100 |
| 98) BENZYL CHLORIDE | 19.813 | 91 | 2086019 | 12.26 | PPBV | | 99 |
| 99) p-DICHLOROBENZENE | 19.923 | 146 | 1425940 | 12.24 | PPBV | | 99 |
| 100) sec-BUTYLBENZENE | 20.021 | 134 | 510021 | 12.96 | PPBV | | 95 |
| 101) 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 2045983 | 12.71 | PPBV | # | 98 |
| 102) p-ISOPROPYLTOLUENE | 20.259 | 134 | 605096 | 13.08 | PPBV | | 97 |
| 103) o-DICHLOROBENZENE | 20.406 | 146 | 1345461 | 11.88 | PPBV | | 99 |
| 104) n-BUTYLBENZENE | 20.853 | 134 | 568438 | 13.36 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 21.318 | 117 | 980805 | 12.37 | PPBV | | 98 |
| 106) HEXACHLOROBUTADIENE | 23.367 | 225 | 1360841 | 12.77 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 23.220 | 180 | 1285426 | 12.74 | PPBV | | 100 |
| 108) NAPHTHALENE | 22.884 | 128 | 3116488 | 14.07 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 5.228 | TIC | 2415970 | 8.40 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

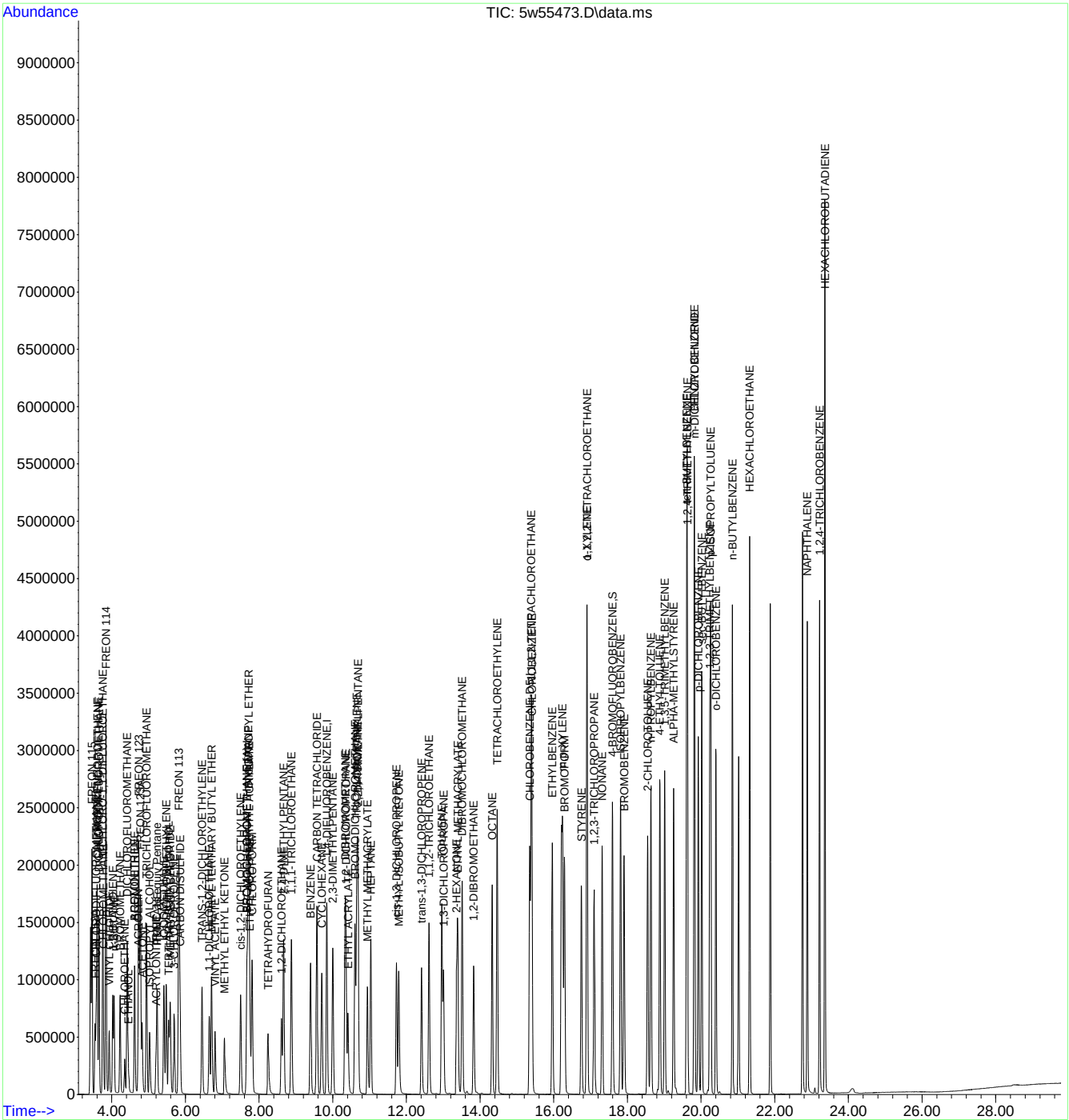
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55473.D
Acq On : 9 Dec 2024 1:55 pm
Operator : benk
Sample : icv2125-10
Misc : MS74484,V5W2125,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 09 14:26:11 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 322460 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1489170 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 993103 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 322460 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 1099191 | 9.89 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 98.90% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 520709 | 11.80 | PPBV | | 84 |
| 3) FREON 152A | 3.546 | 65 | 276973 | 11.61 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.582 | 67 | 166597 | 13.47 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 519061 | 9.30 | PPBV | | 95 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1412200 | 11.98 | PPBV | | 100 |
| 7) PROPYLENE | 3.601 | 41 | 331455 | 11.17 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.760 | 65 | 1429777 | 11.85 | PPBV | | 97 |
| 9) FREON 114 | 3.845 | 85 | 1669845 | 11.55 | PPBV | | 90 |
| 10) CHLOROMETHANE | 3.778 | 52 | 132197 | 8.70 | PPBV | # | 70 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 541891 | 10.13 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 340350 | 9.48 | PPBV | | 89 |
| 13) n-BUTANE | 4.066 | 43 | 660477 | 9.59 | PPBV | | 99 |
| 14) BROMOMETHANE | 4.231 | 94 | 552406 | 9.80 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.359 | 64 | 254726 | 10.42 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1370890 | 11.34 | PPBV | | 100 |
| 17) ACETONITRILE | 4.622 | 41 | 366554 | 9.21 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 177177 | 10.20 | PPBV | | 95 |
| 19) FREON 123 | 4.738 | 83 | 1330586 | 10.94 | PPBV | | 99 |
| 20) FREON 123A | 4.781 | 117 | 663515 | 10.26 | PPBV | # | 75 |
| 21) TRICHLOROFLUOROMETHANE | 4.946 | 101 | 1264654 | 11.61 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 764649 | 11.08 | PPBV | | 99 |
| 23) ACETONE | 4.824 | 58 | 207162 | 7.97 | PPBV | | 97 |
| 24) PENTANE | 5.234 | 42 | 402201 | 11.73 | PPBV | | 95 |
| 25) IODOMETHANE | 5.418 | 142 | 1106736 | 12.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 5.485 | 96 | 391141 | 11.59 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1221854 | 12.51 | PPBV | | 97 |
| 28) ETHANOL | 4.457 | 45 | 222031 | 8.78 | PPBV | | 99 |
| 29) BROMOETHENE | 4.622 | 106 | 489275 | 10.19 | PPBV | | 96 |
| 30) ACRYLONITRILE | 5.203 | 52 | 234269 | 8.67 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 372067 | 11.00 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 196624 | 12.61 | PPBV | | 95 |
| 33) FREON 113 | 5.821 | 151 | 681434 | 12.14 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 409739 | 11.49 | PPBV | | 94 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 798191 | 12.30 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1250497 | 13.68 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 195613 | 13.98 | PPBV | | 98 |
| 38) HEXANE | 7.706 | 57 | 601481 | 11.90 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.812 | 86 | 73138 | 12.66 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 807908 | 12.19 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 202355 | 14.47 | PPBV | | 94 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 433612 | 11.72 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 190127 | 12.39 | PPBV | | 99 |
| 44) ETHYL ACETATE | 7.748 | 61 | 143075 | 13.87 | PPBV | # | 100 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 741565 | 12.07 | PPBV | | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1042868 | 12.60 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 694605 | 12.57 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1051269 | 12.51 | PPBV | | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1081408 | 12.17 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 753341 | 13.99 | PPBV | | 99 |
| 52) | BENZENE | 9.400 | 78 | 1308603 | 12.12 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 517052 | 12.75 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 274961 | 12.56 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 636688 | 11.19 | PPBV | | 90 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 506310 | 11.05 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 686352 | 12.32 | PPBV | | 89 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 914775 | 12.66 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 10.605 | 83 | 1226956 | 12.35 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.685 | 57 | 1925505 | 11.75 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 10.673 | 88 | 293029 | 11.66 | PPBV | # | 83 |
| 62) | HEPTANE | 11.027 | 43 | 711739 | 12.43 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 490546 | 13.67 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.792 | 58 | 386935 | 12.69 | PPBV | | 92 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.731 | 75 | 908094 | 13.05 | PPBV | | 96 |
| 66) | TOLUENE | 12.961 | 92 | 880714 | 11.67 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 812598 | 12.23 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 831172 | 12.97 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 532844 | 11.68 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.358 | 58 | 553694 | 11.82 | PPBV | | 91 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 847107 | 12.35 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 706848 | 10.90 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.511 | 129 | 1056659 | 10.02 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 874382 | 10.00 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 1029699 | 11.80 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 673268 | 9.24 | PPBV | | 87 |
| 78) | CHLOROBENZENE | 15.408 | 112 | 1148673 | 8.98 | PPBV | | 90 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 2051697 | 11.21 | PPBV | | 96 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1393837 | 20.06 | PPBV | | 89 |
| 81) | o-XYLENE | 16.900 | 106 | 688459 | 10.21 | PPBV | | 88 |
| 82) | STYRENE | 16.748 | 104 | 1065237 | 11.01 | PPBV | | 95 |
| 83) | NONANE | 17.310 | 43 | 1087899 | 11.95 | PPBV | | 99 |
| 84) | BROMOFORM | 16.289 | 173 | 1433058 | 13.28 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1447874 | 10.68 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 1034242 | 10.57 | PPBV | | 93 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2022994 | 9.69 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1205557 | 10.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 474191 | 9.07 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 510325 | 9.65 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 2078219 | 10.79 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1720705 | 10.45 | PPBV | | 96 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 805324 | 9.06 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 339182 | 9.44 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1864732 | 10.80 | PPBV | | 97 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1304743 | 9.60 | PPBV | | 99 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1945978 | 10.50 | PPBV | | 95 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1268946 | 10.00 | PPBV | | 99 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 416552 | 9.72 | PPBV | # | 87 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1821683 | 10.39 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 476322 | 9.45 | PPBV | | 93 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1197143 | 9.70 | PPBV | | 99 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 460517 | 9.93 | PPBV | # | 69 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 963853 | 11.15 | PPBV | # | 79 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1958096 | 16.86 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1359406 | 12.36 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2303458 | 9.54 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 2637301 | 10.45 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

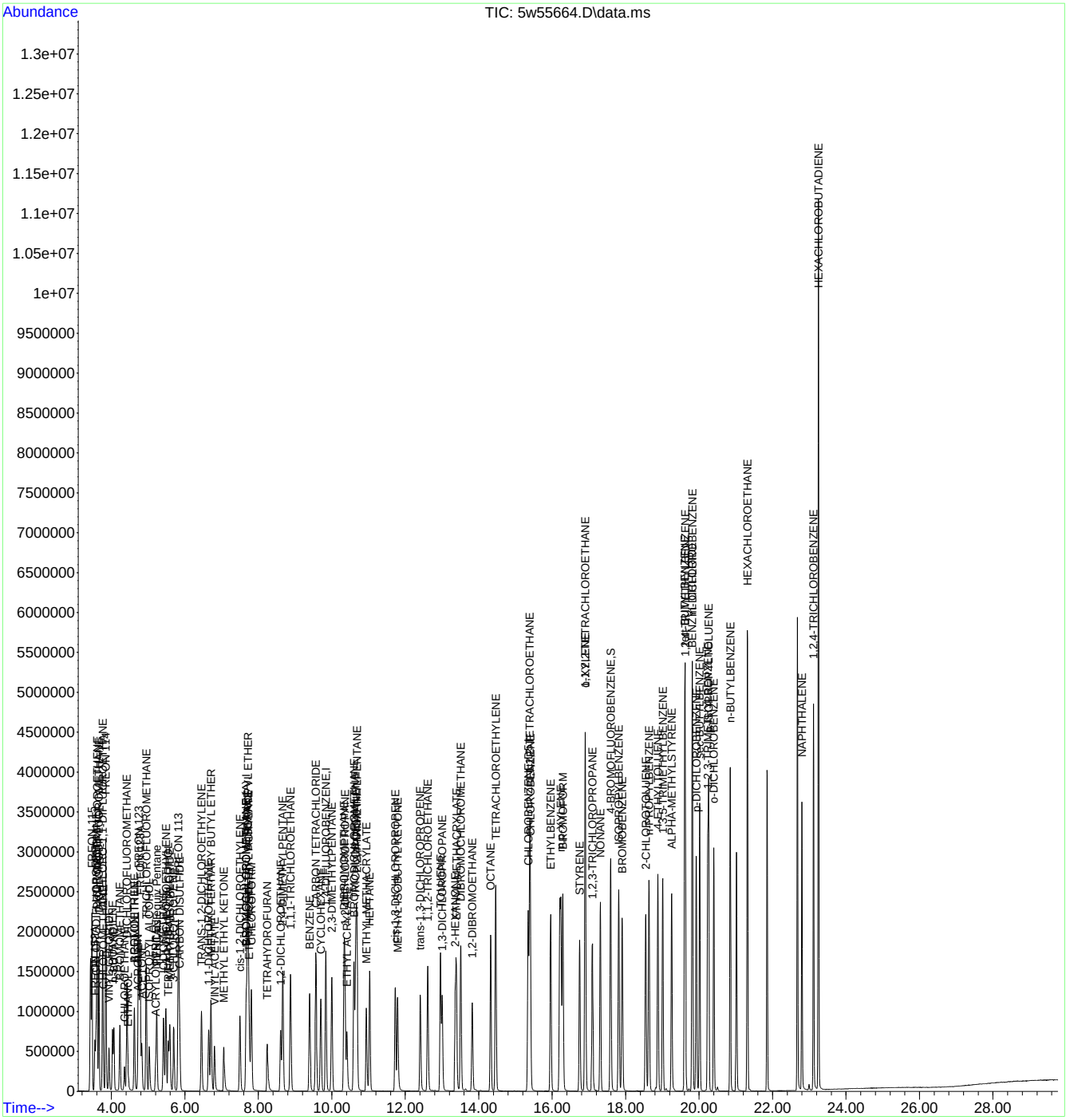
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w55664.D
Acq On : 16 Dec 2024 1:21 pm
Operator : thomash
Sample : cc2125-10
Misc : MS87926,V5W2132,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 16 14:26:40 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1320983 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.347 | 82 | 829640 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 283490 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.592 | 95 | 938681 | 10.11 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 101.10% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 490141 | 12.6307 | PPBV | 87 |
| 3) FREON 152A | 3.546 | 65 | 248979 | 11.8708 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 139788 | 12.8535 | PPBV | 100 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 484866 | 9.8778 | PPBV | 97 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1235881 | 11.9294 | PPBV | 99 |
| 7) PROPYLENE | 3.601 | 41 | 318999 | 12.2258 | PPBV | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.753 | 65 | 1310116 | 12.3491 | PPBV | 97 |
| 9) FREON 114 | 3.839 | 85 | 1498369 | 11.7910 | PPBV | 94 |
| 10) CHLOROMETHANE | 3.772 | 52 | 139843 | 10.4675 | PPBV # | 73 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 500361 | 10.6359 | PPBV | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 328558 | 10.4069 | PPBV # | 82 |
| 13) n-BUTANE | 4.066 | 43 | 673554 | 11.1214 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 503106 | 10.1489 | PPBV | 98 |
| 15) CHLOROETHANE | 4.353 | 64 | 218128 | 10.1465 | PPBV | 96 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1182527 | 11.1281 | PPBV | 98 |
| 17) ACETONITRILE | 4.616 | 41 | 381104 | 10.8940 | PPBV | 99 |
| 18) ACROLEIN | 4.714 | 56 | 174216 | 11.4045 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1208215 | 11.2970 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 627646 | 11.0370 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 4.940 | 101 | 1106838 | 11.5611 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 701344 | 11.5619 | PPBV | 96 |
| 23) ACETONE | 4.818 | 58 | 190094 | 8.3139 | PPBV # | 73 |
| 24) PENTANE | 5.234 | 42 | 382516 | 12.6939 | PPBV | 97 |
| 25) IODOMETHANE | 5.418 | 142 | 1048284 | 13.1253 | PPBV | 99 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 350278 | 11.8046 | PPBV | 91 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1106323 | 12.8869 | PPBV | 96 |
| 28) ETHANOL | 4.451 | 45 | 228093 | 10.2598 | PPBV | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 464023 | 10.9881 | PPBV | 96 |
| 30) ACRYLONITRILE | 5.197 | 52 | 227386 | 9.5736 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 336437 | 11.3149 | PPBV | 94 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 178242 | 13.0003 | PPBV # | 87 |
| 33) FREON 113 | 5.821 | 151 | 646266 | 13.0999 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.451 | 96 | 362444 | 11.5588 | PPBV | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 711279 | 12.4651 | PPBV | 94 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1081108 | 13.4514 | PPBV | 97 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 173340 | 14.0890 | PPBV | 93 |
| 38) HEXANE | 7.699 | 57 | 571589 | 12.8683 | PPBV | 89 |
| 39) VINYL ACETATE | 6.806 | 86 | 62812 | 12.3718 | PPBV # | 69 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 730632 | 12.5370 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 181023 | 14.7210 | PPBV # | 84 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 388757 | 11.9483 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 7.718 | 59 | 173894 | 12.8880 | PPBV # | 83 |
| 44) ETHYL ACETATE | 7.748 | 61 | 131535 | 14.5003 | PPBV # | 96 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 737514 | 13.6580 | PPBV | 98 |
| 46) CHLOROFORM | 7.810 | 83 | 932936 | 12.8195 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 643935 | 13.2559 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 932528 | 12.6198 | PPBV | 97 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 977527 | 12.5168 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 663626 | 14.0198 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1170534 | 12.2253 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.700 | 84 | 450644 | 12.5296 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 244517 | 12.5920 | PPBV | | 98 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 563731 | 11.1681 | PPBV | | 93 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 455764 | 11.2146 | PPBV | | 96 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 640573 | 12.9639 | PPBV | | 87 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 894070 | 13.9460 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1096175 | 12.4360 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1810078 | 12.4491 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 262414 | 11.7689 | PPBV | # | 87 |
| 62) | HEPTANE | 11.027 | 43 | 692024 | 13.6267 | PPBV | | 94 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 435827 | 13.6920 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 353359 | 13.0593 | PPBV | # | 83 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 805461 | 13.0465 | PPBV | | 93 |
| 66) | TOLUENE | 12.961 | 92 | 771776 | 11.5242 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 13.003 | 76 | 721866 | 12.2521 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 730655 | 12.8581 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 477290 | 11.7978 | PPBV | | 96 |
| 71) | 2-HEXANONE | 13.358 | 58 | 505319 | 12.9114 | PPBV | | 82 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 748660 | 13.0646 | PPBV | | 94 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 646497 | 11.9302 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 957673 | 10.8685 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 821840 | 11.2479 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1000955 | 13.7360 | PPBV | | 94 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.389 | 131 | 625512 | 10.2814 | PPBV | | 90 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1074618 | 10.0617 | PPBV | | 93 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 1824972 | 11.9314 | PPBV | | 97 |
| 80) | m,p-XYLENE | 16.234 | 106 | 1282140 | 22.0915 | PPBV | | 93 |
| 81) | o-XYLENE | 16.900 | 106 | 643598 | 11.4241 | PPBV | | 92 |
| 82) | STYRENE | 16.747 | 104 | 987985 | 12.2269 | PPBV | | 96 |
| 83) | NONANE | 17.310 | 43 | 1057154 | 13.9014 | PPBV | | 97 |
| 84) | BROMOFORM | 16.289 | 173 | 1332200 | 14.7771 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.900 | 83 | 1314867 | 11.6113 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.096 | 75 | 931482 | 11.3923 | PPBV | | 95 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 1869433 | 10.7239 | PPBV | | 96 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1084437 | 11.0142 | PPBV | | 98 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 452203 | 10.3535 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 482605 | 10.9202 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.876 | 105 | 1913832 | 11.8952 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.011 | 105 | 1598724 | 11.6271 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 753685 | 10.1544 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 323983 | 10.7921 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1752820 | 12.1500 | PPBV | | 98 |
| 97) | m-DICHLOROBENZENE | 19.812 | 146 | 1265483 | 11.1404 | PPBV | | 98 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1786034 | 11.5343 | PPBV | | 97 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1231073 | 11.6079 | PPBV | | 98 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 389937 | 10.8867 | PPBV | # | 88 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1704534 | 11.6335 | PPBV | # | 97 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 453456 | 10.7719 | PPBV | | 94 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1154974 | 11.2005 | PPBV | | 98 |
| 104) | n-BUTYLBENZENE | 20.852 | 134 | 440098 | 11.3651 | PPBV | # | 77 |
| 105) | HEXACHLOROETHANE | 21.317 | 117 | 908545 | 12.5865 | PPBV | # | 81 |
| 106) | HEXACHLOROBUTADIENE | 23.361 | 225 | 1704722 | 17.5722 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.214 | 180 | 1397381 | 15.2088 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.877 | 128 | 2277222 | 11.2912 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2517105 | 11.3419 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

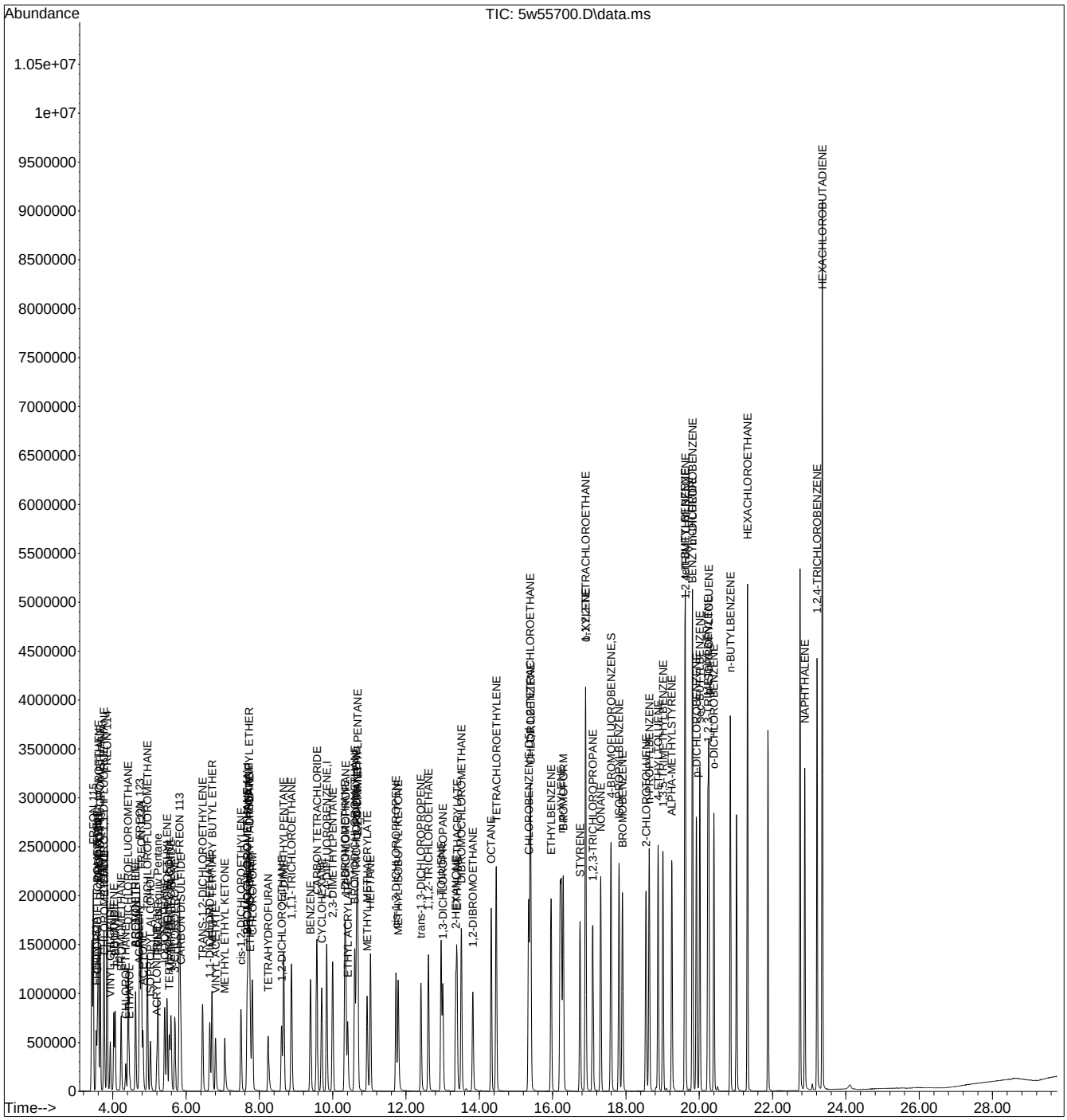
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-18-2024\V5W2133\
Data File : 5w55700.D
Acq On : 17 Dec 2024 8:32 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2133,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 18 18:32:56 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 318888 | 10.00 | PPBV | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.835 | 114 | 1469982 | 10.00 | PPBV | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 896125 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 318888 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 1008742 | 10.06 | PPBV | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.60% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 624218 | 14.3002 | PPBV | 95 |
| 3) FREON 152A | 3.546 | 65 | 317951 | 13.4765 | PPBV | 98 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 161801 | 13.2261 | PPBV | 97 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 653547 | 11.8362 | PPBV | 99 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1475918 | 12.6650 | PPBV | 100 |
| 7) PROPYLENE | 3.601 | 41 | 381974 | 13.0143 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1211334 | 10.1505 | PPBV | 99 |
| 9) FREON 114 | 3.845 | 85 | 1411506 | 9.8745 | PPBV | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 128319 | 8.5387 | PPBV | 88 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 458589 | 8.6659 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 298397 | 8.4024 | PPBV | 83 |
| 13) n-BUTANE | 4.066 | 43 | 602522 | 8.8442 | PPBV | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 477772 | 8.5680 | PPBV | 100 |
| 15) CHLOROETHANE | 4.353 | 64 | 205540 | 8.4996 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 4.420 | 67 | 1085746 | 9.0832 | PPBV | 98 |
| 17) ACETONITRILE | 4.622 | 41 | 339144 | 8.6184 | PPBV | 98 |
| 18) ACROLEIN | 4.714 | 56 | 158132 | 9.2025 | PPBV | 99 |
| 19) FREON 123 | 4.732 | 83 | 1139561 | 9.4723 | PPBV | 99 |
| 20) FREON 123A | 4.775 | 117 | 620886 | 9.7062 | PPBV | 97 |
| 21) TRICHLOROFLUOROMETHANE | 4.947 | 101 | 1263194 | 11.7297 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 5.026 | 45 | 803523 | 11.7760 | PPBV | 98 |
| 23) ACETONE | 4.824 | 58 | 180153 | 7.0045 | PPBV # | 81 |
| 24) PENTANE | 5.234 | 42 | 429102 | 12.6592 | PPBV | 99 |
| 25) IODOMETHANE | 5.418 | 142 | 1191766 | 13.2654 | PPBV | 96 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 398323 | 11.9336 | PPBV | 97 |
| 27) CARBON DISULFIDE | 5.852 | 76 | 1235064 | 12.7895 | PPBV | 99 |
| 28) ETHANOL | 4.457 | 45 | 207634 | 8.3028 | PPBV | 99 |
| 29) BROMOETHENE | 4.622 | 106 | 460244 | 9.6888 | PPBV | 97 |
| 30) ACRYLONITRILE | 5.204 | 52 | 256089 | 9.5852 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 375160 | 11.2167 | PPBV | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 201866 | 13.0889 | PPBV | 96 |
| 33) FREON 113 | 5.821 | 151 | 732704 | 13.2034 | PPBV | 90 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.452 | 96 | 419403 | 11.8906 | PPBV | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 5.546 | 59 | 775362 | 12.0798 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.708 | 73 | 1228936 | 13.5933 | PPBV | 98 |
| 37) TETRAHYDROFURAN | 8.238 | 72 | 197620 | 14.2794 | PPBV | 98 |
| 38) HEXANE | 7.700 | 57 | 627757 | 12.5641 | PPBV | 94 |
| 39) VINYL ACETATE | 6.806 | 86 | 75731 | 13.2606 | PPBV # | 93 |
| 40) 1,1-DICHLOROETHANE | 6.647 | 63 | 811475 | 12.3786 | PPBV | 98 |
| 41) METHYL ETHYL KETONE | 7.057 | 72 | 202233 | 14.6202 | PPBV # | 87 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.498 | 96 | 442713 | 12.0962 | PPBV | 96 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 190748 | 12.5678 | PPBV # | 88 |
| 44) ETHYL ACETATE | 7.748 | 61 | 145181 | 14.2280 | PPBV # | 38 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 800096 | 13.1722 | PPBV | 99 |
| 46) CHLOROFORM | 7.810 | 83 | 1039127 | 12.6937 | PPBV | 100 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 723012 | 13.2316 | PPBV | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.874 | 97 | 1035484 | 12.4576 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.565 | 117 | 1102538 | 12.5504 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.605 | 62 | 708904 | 13.3139 | PPBV | | 99 |
| 52) | BENZENE | 9.394 | 78 | 1342299 | 12.5982 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 516137 | 12.8959 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 10.000 | 71 | 282810 | 13.0878 | PPBV | | 96 |
| 55) | TRICHLOROETHYLENE | 10.648 | 95 | 633242 | 11.2736 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 10.361 | 63 | 510553 | 11.2893 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 755528 | 13.7405 | PPBV | | 81 |
| 58) | ETHYL ACRYLATE | 10.410 | 55 | 981600 | 13.7593 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 1206214 | 12.2973 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1990028 | 12.2995 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.667 | 88 | 299962 | 12.0893 | PPBV | # | 81 |
| 62) | HEPTANE | 11.028 | 43 | 752488 | 13.3154 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 10.936 | 69 | 481560 | 13.5953 | PPBV | | 97 |
| 64) | METHYL ISOBUTYL KETONE | 11.786 | 58 | 388890 | 12.9157 | PPBV | | 87 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 908137 | 13.2187 | PPBV | | 97 |
| 66) | TOLUENE | 12.961 | 92 | 887710 | 11.9118 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 13.004 | 76 | 820517 | 12.5149 | PPBV | # | 99 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.404 | 75 | 828355 | 13.0998 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.612 | 83 | 537644 | 11.9426 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.358 | 58 | 560900 | 13.2683 | PPBV | | 87 |
| 72) | ETHYL METHACRYLATE | 13.389 | 69 | 835523 | 13.4987 | PPBV | | 97 |
| 73) | TETRACHLOROETHYLENE | 14.466 | 164 | 747063 | 12.7632 | PPBV | | 84 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 1097540 | 11.5317 | PPBV | | 99 |
| 75) | 1,2-DIBROMOETHANE | 13.823 | 107 | 940751 | 11.9201 | PPBV | | 100 |
| 76) | OCTANE | 14.325 | 43 | 1084120 | 13.7735 | PPBV | | 95 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.383 | 131 | 720856 | 10.9694 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 1232114 | 10.6804 | PPBV | | 95 |
| 79) | ETHYLBENZENE | 15.958 | 91 | 2076562 | 12.5690 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.228 | 106 | 1471828 | 23.4783 | PPBV | | 95 |
| 81) | o-XYLENE | 16.901 | 106 | 720486 | 11.8401 | PPBV | | 95 |
| 82) | STYRENE | 16.748 | 104 | 1142420 | 13.0892 | PPBV | | 97 |
| 83) | NONANE | 17.310 | 43 | 1130936 | 13.7682 | PPBV | | 99 |
| 84) | BROMOFORM | 16.289 | 173 | 1519883 | 15.6082 | PPBV | | 99 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1428324 | 11.6774 | PPBV | | 99 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 1030429 | 11.6674 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.812 | 105 | 2152989 | 11.4342 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 1211657 | 11.3933 | PPBV | | 93 |
| 90) | 2-CHLOROTOLUENE | 18.546 | 126 | 534316 | 11.3259 | PPBV | | 99 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 567338 | 11.8851 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 2199724 | 12.6578 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1831439 | 12.3314 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.256 | 118 | 879694 | 10.9728 | PPBV | | 97 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 380904 | 11.7468 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1961577 | 12.5882 | PPBV | | 100 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1422500 | 11.5936 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.806 | 91 | 1933734 | 11.5617 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.923 | 146 | 1409874 | 12.3075 | PPBV | | 96 |
| 100) | sec-BUTYLBENZENE | 20.014 | 134 | 455920 | 11.7845 | PPBV | | 94 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1931074 | 12.2018 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 529338 | 11.6416 | PPBV | | 98 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1318774 | 11.8402 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.853 | 134 | 525567 | 12.5653 | PPBV | | 91 |
| 105) | HEXACHLOROETHANE | 21.311 | 117 | 1006137 | 12.9044 | PPBV | # | 78 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 2010215 | 19.1838 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1700363 | 17.1334 | PPBV | | 95 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2718914 | 12.4811 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.234 | TIC | 2774316 | 11.1132 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

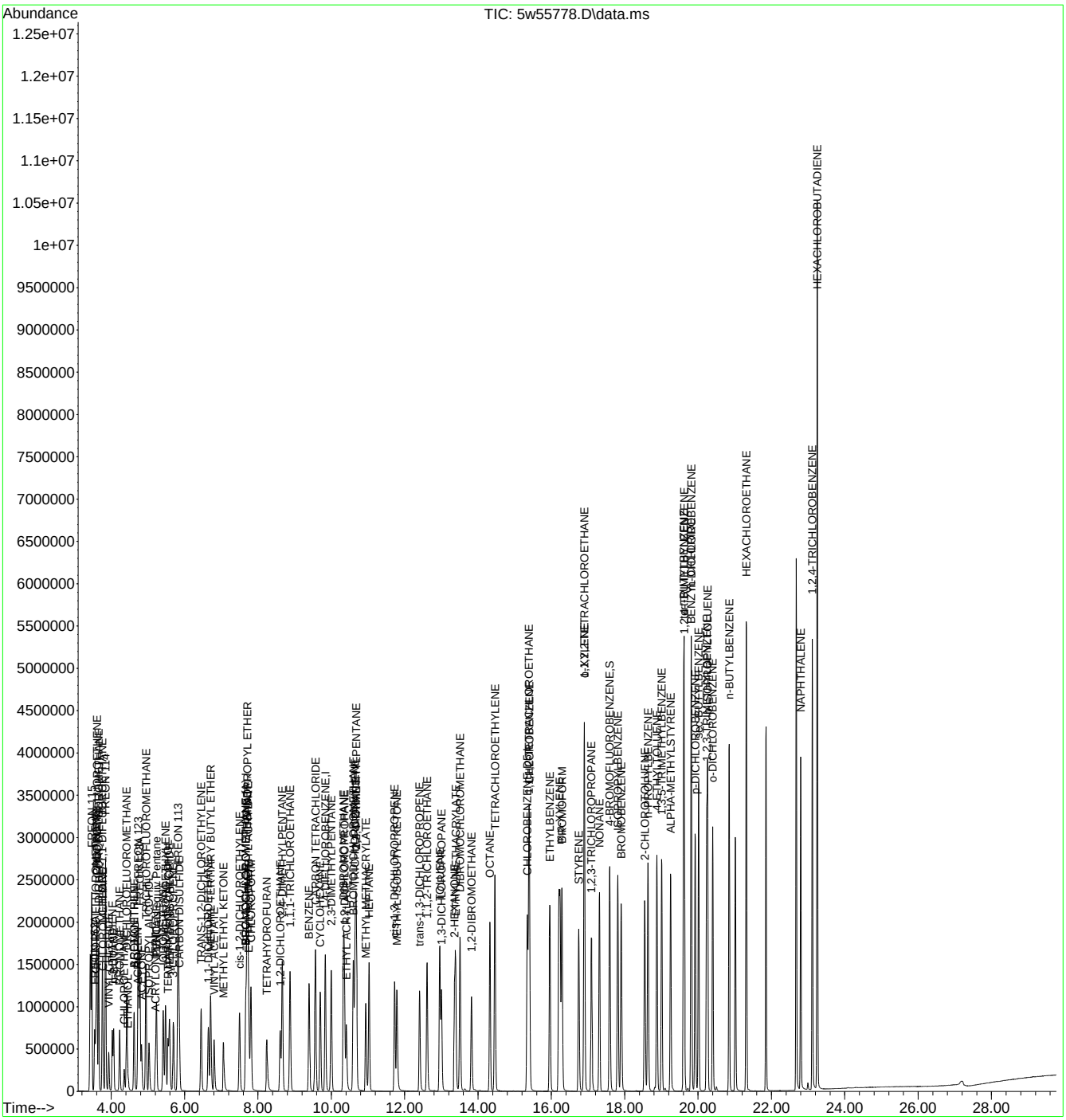
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\23 December 2024\v5w2136\
Data File : 5w55778.D
Acq On : 20 Dec 2024 1:06 pm
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2136,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 23 07:06:08 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 7.669 | 128 | 263070 | 10.00 | PPBV | | 0.00 |
| 51) 1,4-DIFLUOROBENZENE | 9.829 | 114 | 1217301 | 10.00 | PPBV | | 0.00 |
| 70) CHLOROBENZENE-D5 | 15.341 | 82 | 738303 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 7.669 | 128 | 263070 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 85) 4-BROMOFLUOROBENZENE | 17.586 | 95 | 828145 | 10.02 | PPBV | | 0.00 |
| Spiked Amount 10.000 | Range 65 - 128 | | Recovery = 100.20% | | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 3.466 | 119 | 443684 | 12.3210 | PPBV | | 93 |
| 3) FREON 152A | 3.546 | 65 | 212489 | 10.9174 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 3.576 | 67 | 118141 | 11.7063 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 3.607 | 116 | 455636 | 10.0028 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 3.656 | 85 | 1073218 | 11.1634 | PPBV | | 99 |
| 7) PROPYLENE | 3.601 | 41 | 257735 | 10.6445 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 3.754 | 65 | 1120022 | 11.3767 | PPBV | | 99 |
| 9) FREON 114 | 3.839 | 85 | 1412169 | 11.9753 | PPBV | | 96 |
| 10) CHLOROMETHANE | 3.772 | 52 | 124915 | 10.0759 | PPBV | # | 78 |
| 11) VINYL CHLORIDE | 3.931 | 62 | 476330 | 10.9110 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 4.029 | 54 | 312743 | 10.6749 | PPBV | | 90 |
| 13) n-BUTANE | 4.066 | 43 | 620169 | 11.0348 | PPBV | | 98 |
| 14) BROMOMETHANE | 4.231 | 94 | 475235 | 10.3309 | PPBV | | 99 |
| 15) CHLOROETHANE | 4.353 | 64 | 209737 | 10.5135 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 4.421 | 67 | 1073511 | 10.8864 | PPBV | | 99 |
| 17) ACETONITRILE | 4.616 | 41 | 340326 | 10.4835 | PPBV | | 99 |
| 18) ACROLEIN | 4.714 | 56 | 158371 | 11.1720 | PPBV | | 99 |
| 19) FREON 123 | 4.733 | 83 | 1097141 | 11.0548 | PPBV | | 99 |
| 20) FREON 123A | 4.775 | 117 | 579782 | 10.9867 | PPBV | | 90 |
| 21) TRICHLOROFLUOROMETHANE | 4.941 | 101 | 992534 | 11.1719 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 5.020 | 45 | 589792 | 10.4777 | PPBV | | 98 |
| 23) ACETONE | 4.818 | 58 | 174326 | 8.2161 | PPBV | | 90 |
| 24) PENTANE | 5.228 | 42 | 306426 | 10.9582 | PPBV | | 97 |
| 25) IODOMETHANE | 5.412 | 142 | 939913 | 12.6819 | PPBV | | 94 |
| 26) 1,1-DICHLOROETHYLENE | 5.479 | 96 | 296637 | 10.7728 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 5.846 | 76 | 905072 | 11.3609 | PPBV | | 98 |
| 28) ETHANOL | 4.451 | 45 | 218980 | 10.6145 | PPBV | | 99 |
| 29) BROMOETHENE | 4.616 | 106 | 433197 | 11.0544 | PPBV | | 98 |
| 30) ACRYLONITRILE | 5.198 | 52 | 185208 | 8.4030 | PPBV | | 100 |
| 31) METHYLENE CHLORIDE | 5.589 | 84 | 279330 | 10.1235 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 5.693 | 76 | 147321 | 11.5790 | PPBV | | 96 |
| 33) FREON 113 | 5.815 | 151 | 589276 | 12.8719 | PPBV | | 83 |
| 34) TRANS-1,2-DICHLOROETHY... | 6.446 | 96 | 307408 | 10.5646 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 5.540 | 59 | 581566 | 10.9830 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 6.702 | 73 | 919622 | 12.3303 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 8.232 | 72 | 148350 | 12.9937 | PPBV | | 99 |
| 38) HEXANE | 7.700 | 57 | 459701 | 11.1527 | PPBV | | 90 |
| 39) VINYL ACETATE | 6.800 | 86 | 56579 | 12.0092 | PPBV | | 99 |
| 40) 1,1-DICHLOROETHANE | 6.641 | 63 | 598323 | 11.0636 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 7.051 | 72 | 153607 | 13.4611 | PPBV | | 93 |
| 42) cis-1,2-DICHLOROETHYLENE | 7.492 | 96 | 329132 | 10.9009 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 7.712 | 59 | 144614 | 11.5498 | PPBV | | 97 |
| 44) ETHYL ACETATE | 7.742 | 61 | 103860 | 12.3381 | PPBV | # | 98 |
| 45) METHYL ACRYLATE | 7.730 | 55 | 588812 | 11.7506 | PPBV | | 100 |
| 46) CHLOROFORM | 7.804 | 83 | 773655 | 11.4560 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 8.660 | 57 | 526334 | 11.6760 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 8.868 | 97 | 772811 | 11.2702 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 49) | CARBON TETRACHLORIDE | 9.559 | 117 | 830049 | 11.4534 | PPBV | | 100 |
| 50) | 1,2-DICHLOROETHANE | 8.599 | 62 | 534819 | 12.1757 | PPBV | | 98 |
| 52) | BENZENE | 9.394 | 78 | 1003717 | 11.3759 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 9.694 | 84 | 396422 | 11.9608 | PPBV | | 97 |
| 54) | 2,3-DIMETHYLPENTANE | 9.994 | 71 | 212277 | 11.8628 | PPBV | | 91 |
| 55) | TRICHLOROETHYLENE | 10.642 | 95 | 483189 | 10.3878 | PPBV | | 96 |
| 56) | 1,2-DICHLOROPROPANE | 10.355 | 63 | 382961 | 10.2258 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 10.330 | 174 | 614707 | 13.5000 | PPBV | | 78 |
| 58) | ETHYL ACRYLATE | 10.404 | 55 | 721337 | 12.2100 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 10.599 | 83 | 909013 | 11.1910 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 10.679 | 57 | 1465609 | 10.9385 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 10.661 | 88 | 227029 | 11.0492 | PPBV | # | 69 |
| 62) | HEPTANE | 11.022 | 43 | 560388 | 11.9745 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 10.930 | 69 | 372004 | 12.6823 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 11.780 | 58 | 297634 | 11.9368 | PPBV | | 91 |
| 65) | cis-1,3-DICHLOROPROPENE | 11.725 | 75 | 688807 | 12.1073 | PPBV | | 95 |
| 66) | TOLUENE | 12.955 | 92 | 690703 | 11.1921 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 12.998 | 76 | 615745 | 11.3411 | PPBV | # | 100 |
| 68) | trans-1,3-DICHLOROPROPENE | 12.398 | 75 | 622635 | 11.8904 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 12.606 | 83 | 405394 | 10.8742 | PPBV | | 97 |
| 71) | 2-HEXANONE | 13.352 | 58 | 429888 | 12.3429 | PPBV | | 90 |
| 72) | ETHYL METHACRYLATE | 13.383 | 69 | 646680 | 12.6811 | PPBV | | 98 |
| 73) | TETRACHLOROETHYLENE | 14.460 | 164 | 628528 | 13.0335 | PPBV | | 80 |
| 74) | DIBROMOCHLOROMETHANE | 13.505 | 129 | 865933 | 11.0431 | PPBV | | 100 |
| 75) | 1,2-DIBROMOETHANE | 13.817 | 107 | 716152 | 11.0140 | PPBV | | 99 |
| 76) | OCTANE | 14.325 | 43 | 821392 | 12.6663 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 15.384 | 131 | 554115 | 10.2346 | PPBV | | 95 |
| 78) | CHLOROBENZENE | 15.402 | 112 | 950698 | 10.0026 | PPBV | | 96 |
| 79) | ETHYLBENZENE | 15.952 | 91 | 1588334 | 11.6689 | PPBV | | 98 |
| 80) | m,p-XYLENE | 16.209 | 106 | 1164310 | 22.5430 | PPBV | | 98 |
| 81) | o-XYLENE | 16.895 | 106 | 571423 | 11.3978 | PPBV | | 98 |
| 82) | STYRENE | 16.748 | 104 | 888220 | 12.3521 | PPBV | | 98 |
| 83) | NONANE | 17.304 | 43 | 857369 | 12.6690 | PPBV | | 100 |
| 84) | BROMOFORM | 16.283 | 173 | 1248720 | 15.5647 | PPBV | | 98 |
| 86) | 1,1,2,2-TETRACHLOROETHANE | 16.901 | 83 | 1093404 | 10.8501 | PPBV | | 100 |
| 87) | 1,2,3-TRICHLOROPROPANE | 17.090 | 75 | 770661 | 10.5914 | PPBV | | 96 |
| 88) | ISOPROPYLBENZENE | 17.806 | 105 | 1668204 | 10.7534 | PPBV | | 98 |
| 89) | BROMOBENZENE | 17.904 | 77 | 920121 | 10.5015 | PPBV | | 88 |
| 90) | 2-CHLOROTOLUENE | 18.540 | 126 | 405141 | 10.4235 | PPBV | | 100 |
| 91) | n-PROPYLBENZENE | 18.632 | 120 | 441199 | 11.2183 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 18.877 | 105 | 1704719 | 11.9063 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 19.005 | 105 | 1434926 | 11.7269 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 19.250 | 118 | 695654 | 10.5321 | PPBV | | 98 |
| 95) | tert-BUTYLBENZENE | 19.611 | 134 | 311530 | 11.6610 | PPBV | | 96 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 19.623 | 105 | 1567244 | 12.2076 | PPBV | | 99 |
| 97) | m-DICHLOROBENZENE | 19.813 | 146 | 1161828 | 11.4932 | PPBV | | 96 |
| 98) | BENZYL CHLORIDE | 19.807 | 91 | 1522621 | 11.0497 | PPBV | | 98 |
| 99) | p-DICHLOROBENZENE | 19.917 | 146 | 1135811 | 12.0346 | PPBV | | 95 |
| 100) | sec-BUTYLBENZENE | 20.015 | 134 | 373153 | 11.7069 | PPBV | | 100 |
| 101) | 1,2,3-TRIMETHYLBENZENE | 20.235 | 105 | 1526328 | 11.7060 | PPBV | # | 99 |
| 102) | p-ISOPROPYLTOLUENE | 20.259 | 134 | 432797 | 11.5531 | PPBV | | 97 |
| 103) | o-DICHLOROBENZENE | 20.400 | 146 | 1063562 | 11.5900 | PPBV | | 96 |
| 104) | n-BUTYLBENZENE | 20.847 | 134 | 424199 | 12.3098 | PPBV | | 95 |
| 105) | HEXACHLOROETHANE | 21.312 | 117 | 800997 | 12.4694 | PPBV | # | 75 |
| 106) | HEXACHLOROBUTADIENE | 23.251 | 225 | 1750424 | 20.2754 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 23.116 | 180 | 1448982 | 17.7214 | PPBV | | 96 |
| 108) | NAPHTHALENE | 22.798 | 128 | 2170339 | 12.0926 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 5.228 | TIC | 2047811 | 9.9435 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration

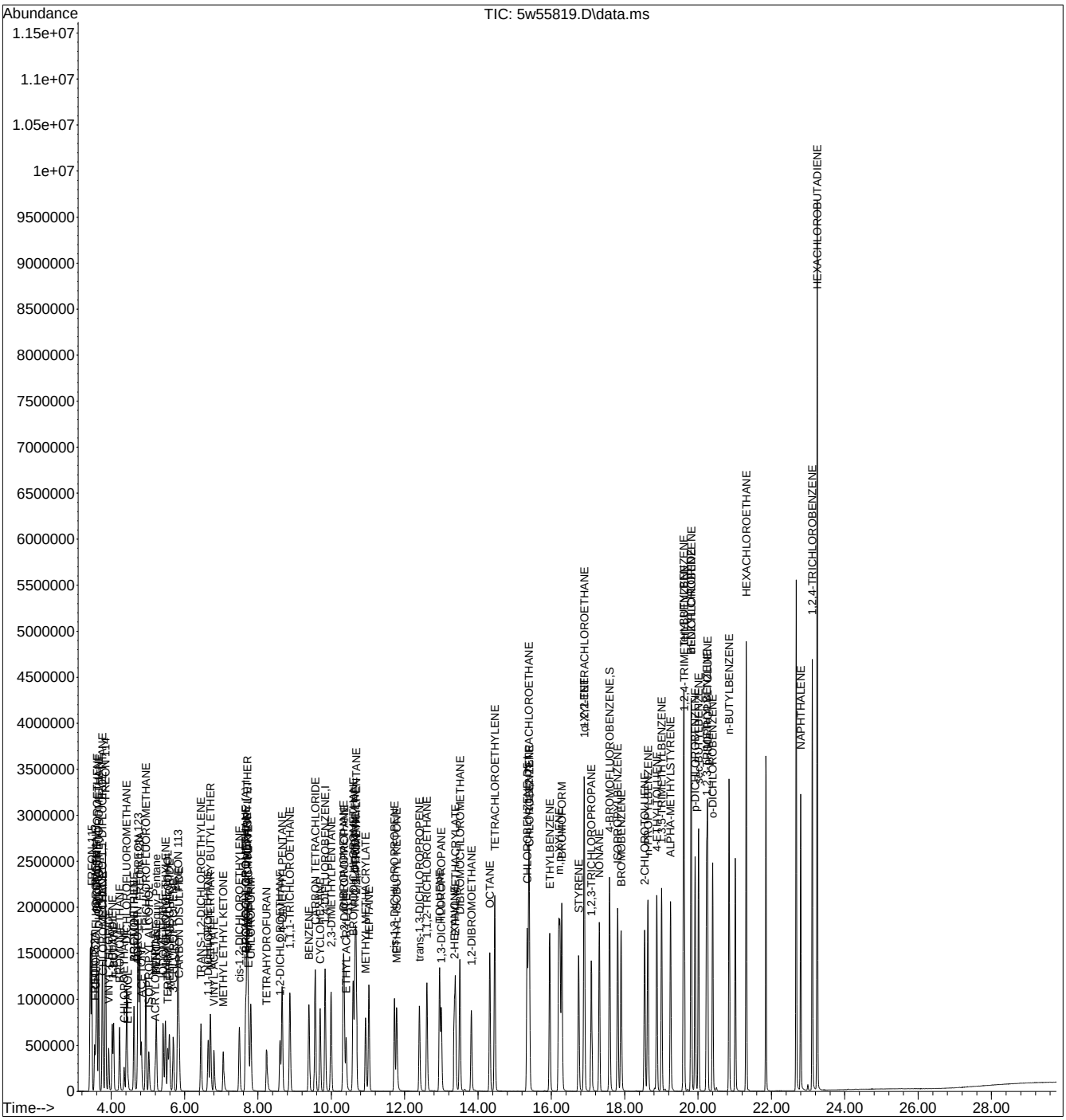
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\12-24-2024\V5w2138\
Data File : 5w55819.D
Acq On : 23 Dec 2024 9:11 am
Operator : thomash
Sample : cc2125-10 Inst : GCMS5W
Misc : MS88104,V5W2138,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 24 04:40:07 2024
Quant Method : C:\msdchem\1\methods\M5w2125.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Dec 09 14:21:09 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 435174 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 379594 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 86358 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 275352 | 9.89 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 521 | 0.05 | PPBV | | 95 |
| 3) FREON 152A | 1.650 | 65 | 283 | 0.05 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 125 | 0.04 | PPBV | # | 38 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 644 | 0.05 | PPBV | | 79 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 1424 | 0.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.672 | 41 | 412 | 0.05 | PPBV | # | 75 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1198 | 0.04 | PPBV | # | 77 |
| 9) FREON 114 | 1.759 | 85 | 1188 | 0.04 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.733 | 52 | 270 | 0.06 | PPBV | | 88 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 622 | 0.05 | PPBV | # | 84 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 532 | 0.05 | PPBV | # | 38 |
| 13) N-BUTANE | 1.849 | 43 | 921 | 0.05 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.910 | 94 | 499 | 0.05 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.958 | 64 | 295 | 0.04 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 1087 | 0.04 | PPBV | # | 74 |
| 17) ACETONITRILE | 2.055 | 41 | 1005 | 0.07 | PPBV | # | 82 |
| 19) FREON 123 | 2.106 | 83 | 1209 | 0.04 | PPBV | | 92 |
| 20) FREON 123A | 2.126 | 117 | 644 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.190 | 101 | 1284 | 0.04 | PPBV | | 98 |
| 22) ISOPROPYL ALCOHOL | 2.229 | 45 | 1604 | 0.05 | PPBV | # | 74 |
| 23) ACETONE | 2.142 | 58 | 1052 | 0.10 | PPBV | | 91 |
| 24) PENTANE | 2.306 | 42 | 809 | 0.05 | PPBV | # | 91 |
| 25) IODOMETHANE | 2.367 | 142 | 1057 | 0.04 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 495 | 0.04 | PPBV | | 92 |
| 27) CARBON DISULFIDE | 2.528 | 76 | 1277 | 0.04 | PPBV | # | 75 |
| 28) ETHANOL | 2.000 | 45 | 820 | 0.07 | PPBV | # | 64 |
| 29) BROMOETHENE | 2.061 | 106 | 450 | 0.04 | PPBV | # | 80 |
| 30) ACRYLONITRILE | 2.277 | 52 | 632 | 0.06 | PPBV | | 87 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 890 | 0.07 | PPBV | | 87 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 287 | 0.05 | PPBV | # | 1 |
| 33) FREON 113 | 2.521 | 151 | 715 | 0.04 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 522 | 0.04 | PPBV | | 78 |
| 35) TERTIARY BUTYL ALCOHOL | 2.447 | 59 | 1139 | 0.04 | PPBV | # | 51 |
| 36) METHYL TERTIARY BUTYL ... | 2.878 | 73 | 1180 | 0.04 | PPBV | # | 81 |
| 37) TETRAHYDROFURAN | 3.598 | 72 | 164 | 0.03 | PPBV | # | 47 |
| 38) HEXANE | 3.322 | 57 | 1231 | 0.05 | PPBV | | 88 |
| 39) VINYL ACETATE | 2.910 | 86 | 51 | 0.02 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 955 | 0.04 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 219 | 0.04 | PPBV | # | 14 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 521 | 0.04 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 208 | 0.03 | PPBV | | 43 |
| 44) ETHYL ACETATE | 3.341 | 61 | 177 | 0.04 | PPBV | # | 83 |
| 45) METHYL ACRYLATE | 3.328 | 55 | 948 | 0.04 | PPBV | | 90 |
| 46) CHLOROFORM | 3.344 | 83 | 987 | 0.04 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1018 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 923 | 0.04 | PPBV | | 93 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 765 | 0.03 | PPBV | | 94 |
| 50) 1,2-DICHLOROETHANE | 3.749 | 62 | 737 | 0.04 | PPBV | # | 91 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration

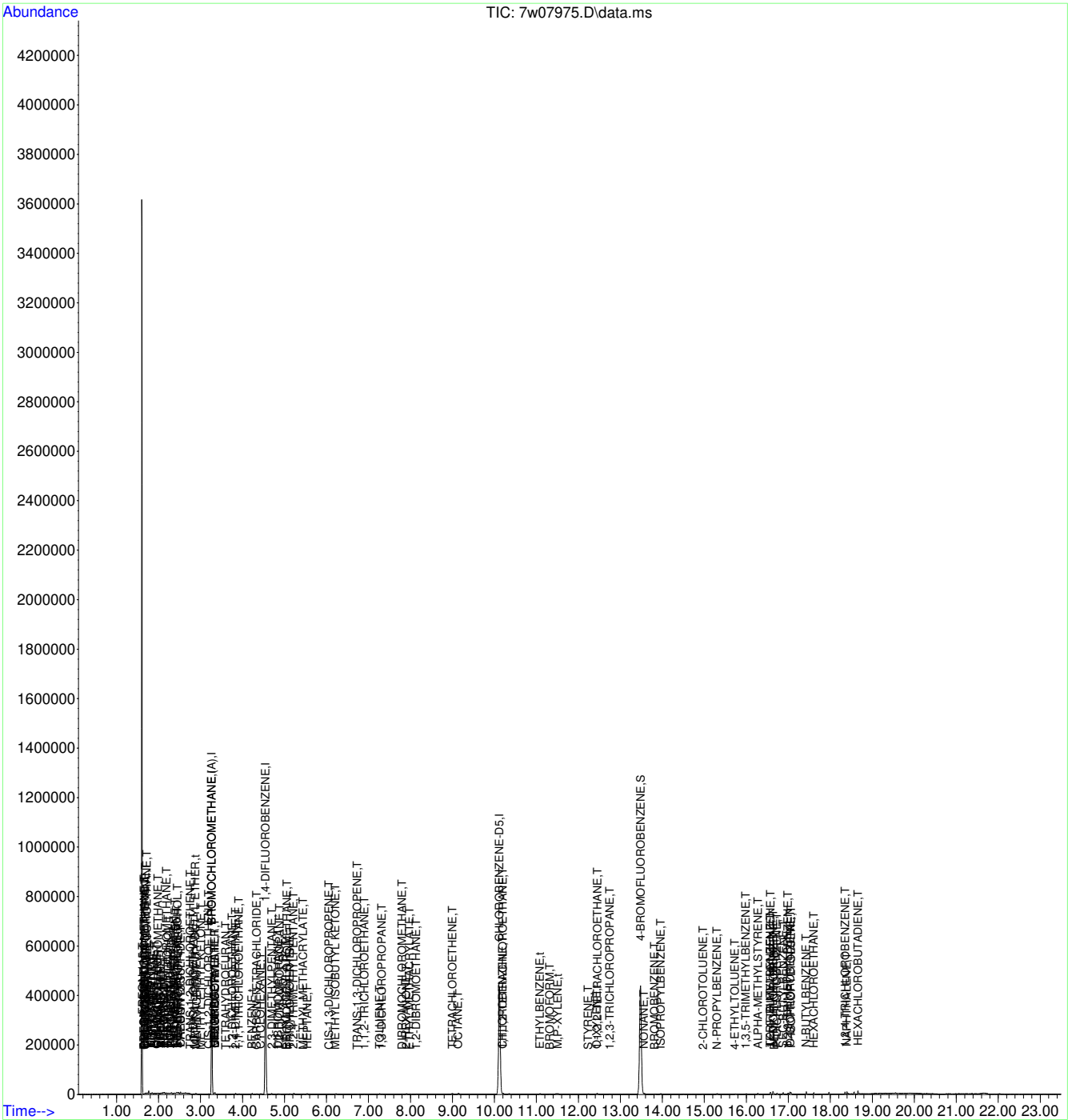
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) BENZENE | 4.219 | 78 | 1765 | 0.05 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.428 | 84 | 693 | 0.04 | PPBV | | 95 |
| 54) 2,3-DIMETHYLPENTANE | 4.695 | 71 | 323 | 0.04 | PPBV | # | 73 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 728 | 0.04 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.884 | 63 | 609 | 0.04 | PPBV | # | 86 |
| 57) DIBROMOMETHANE | 4.846 | 174 | 617 | 0.04 | PPBV | | 90 |
| 58) ETHYL ACRYLATE | 5.032 | 55 | 1286 | 0.04 | PPBV | # | 86 |
| 59) BROMODICHLOROMETHANE | 5.061 | 83 | 937 | 0.04 | PPBV | | 95 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 3047 | 0.04 | PPBV | # | 93 |
| 62) HEPTANE | 5.540 | 43 | 1123 | 0.04 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.447 | 69 | 574 | 0.04 | PPBV | # | 85 |
| 64) METHYL ISOBUTYL KETONE | 6.206 | 58 | 746 | 0.05 | PPBV | # | 1 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 655 | 0.03 | PPBV | | 86 |
| 66) TOLUENE | 7.264 | 91 | 2052 | 0.04 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.315 | 76 | 924 | 0.04 | PPBV | # | 84 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.730 | 75 | 422 | 0.03 | PPBV | | 90 |
| 69) 1,1,2-TRICHLOROETHANE | 6.904 | 83 | 497 | 0.04 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.900 | 58 | 1104 | 0.05 | PPBV | # | 95 |
| 71) ETHYL METHACRYLATE | 7.978 | 69 | 838 | 0.04 | PPBV | # | 87 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 878 | 0.05 | PPBV | | 93 |
| 73) DIBROMOCHLOROMETHANE | 7.797 | 129 | 793 | 0.03 | PPBV | | 92 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 952 | 0.04 | PPBV | # | 99 |
| 75) OCTANE | 9.135 | 43 | 2128 | 0.06 | PPBV | # | 79 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.196 | 131 | 638 | 0.04 | PPBV | | 86 |
| 78) CHLOROBENZENE | 10.190 | 112 | 1477 | 0.04 | PPBV | # | 87 |
| 79) ETHYLBENZENE | 11.080 | 91 | 2859 | 0.05 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.505 | 91 | 4346m | 0.09 | PPBV | | |
| 81) O-XYLENE | 12.434 | 91 | 2112 | 0.04 | PPBV | | 84 |
| 82) STYRENE | 12.231 | 104 | 1406 | 0.04 | PPBV | # | 67 |
| 83) NONANE | 13.556 | 43 | 1791 | 0.05 | PPBV | # | 83 |
| 84) BROMOFORM | 11.318 | 173 | 690m | 0.03 | PPBV | | |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 1288 | 0.04 | PPBV | # | 90 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.743 | 75 | 1102 | 0.04 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.958 | 120 | 662 | 0.04 | PPBV | | 78 |
| 89) BROMOBENZENE | 13.810 | 77 | 1167 | 0.03 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.964 | 126 | 643 | 0.04 | PPBV | # | 62 |
| 91) N-PROPYLBENZENE | 15.299 | 120 | 676 | 0.04 | PPBV | # | 62 |
| 92) 4-ETHYLTOLUENE | 15.723 | 105 | 2657m | 0.04 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.987 | 105 | 2186 | 0.04 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.276 | 118 | 1080 | 0.04 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.569 | 134 | 543 | 0.04 | PPBV | | 94 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 2186 | 0.04 | PPBV | | 95 |
| 97) BENZYL CHLORIDE | 16.662 | 91 | 535 | 0.02 | PPBV | # | 61 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 1366 | 0.04 | PPBV | | 94 |
| 99) P-DICHLOROBENZENE | 16.730 | 146 | 1547 | 0.04 | PPBV | | 97 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 1438 | 0.04 | PPBV | | 96 |
| 101) SEC-BUTYLBENZENE | 16.871 | 134 | 621 | 0.04 | PPBV | | 88 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 2316 | 0.04 | PPBV | # | 89 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 687 | 0.04 | PPBV | | 94 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 648 | 0.04 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 508 | 0.03 | PPBV | | 93 |
| 106) HEXACHLOROBUTADIENE | 18.659 | 225 | 1096 | 0.04 | PPBV | | 95 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1301 | 0.04 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 4007 | 0.04 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.306 | TIC | 3733m | 0.04 | PPBV | | |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:49:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



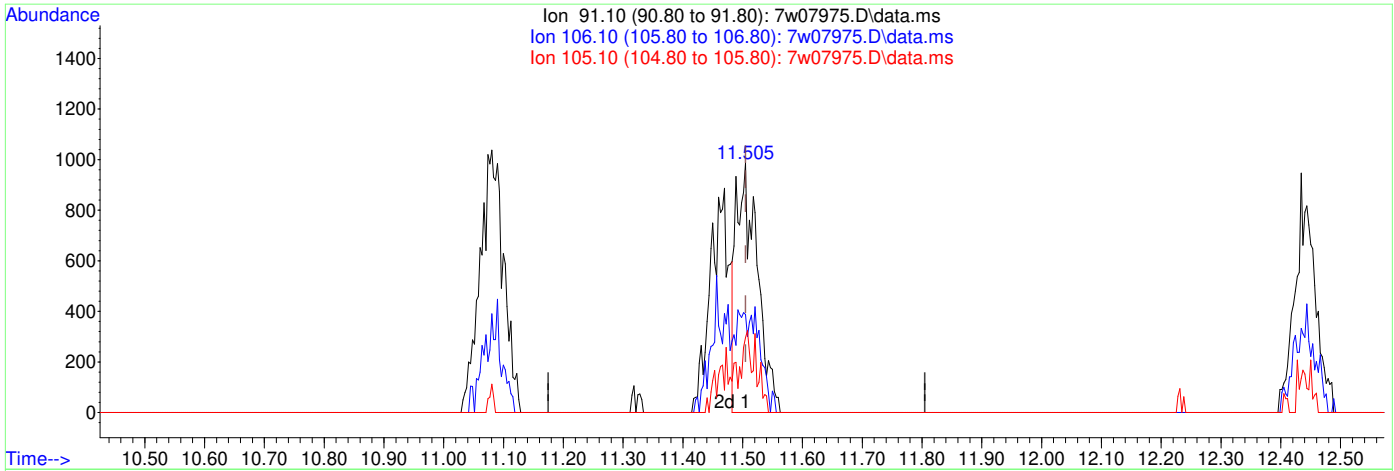
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07975.D **Analyst approved:** 08/19/24 10:01 Benjamin Kim
**Injection Time:** 08/18/24 21:40 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

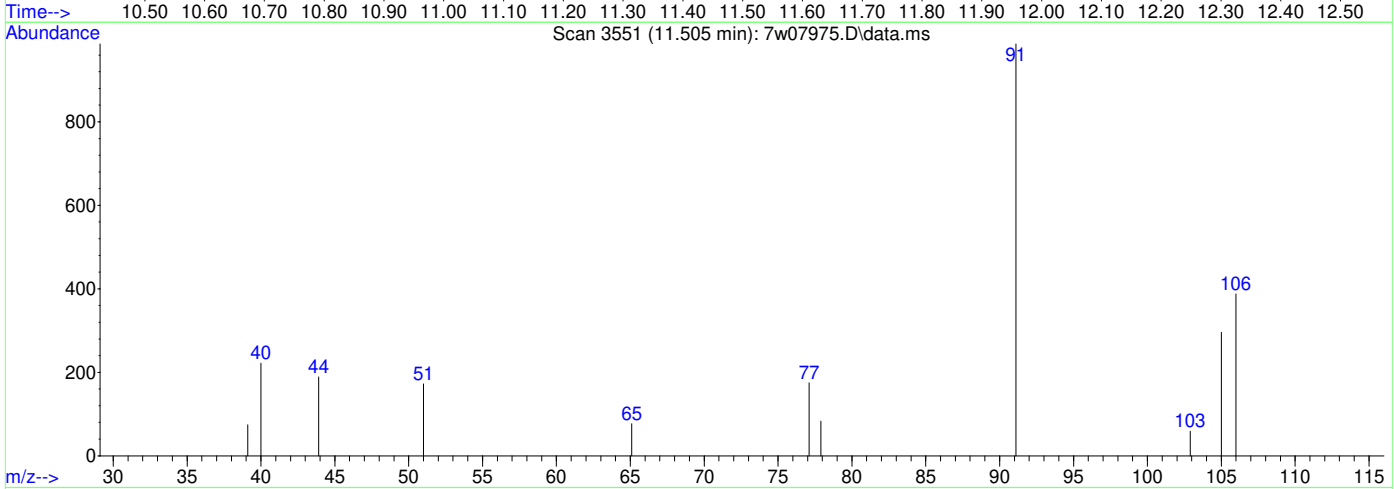
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| TVHC As Equiv Pentane | | | 2.31 | Poor instrument integration |
| Bromoform | 75-25-2 | | 11.32 | Split peak |
| m,p-Xylene | | | 11.50 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.72 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.05PPBV

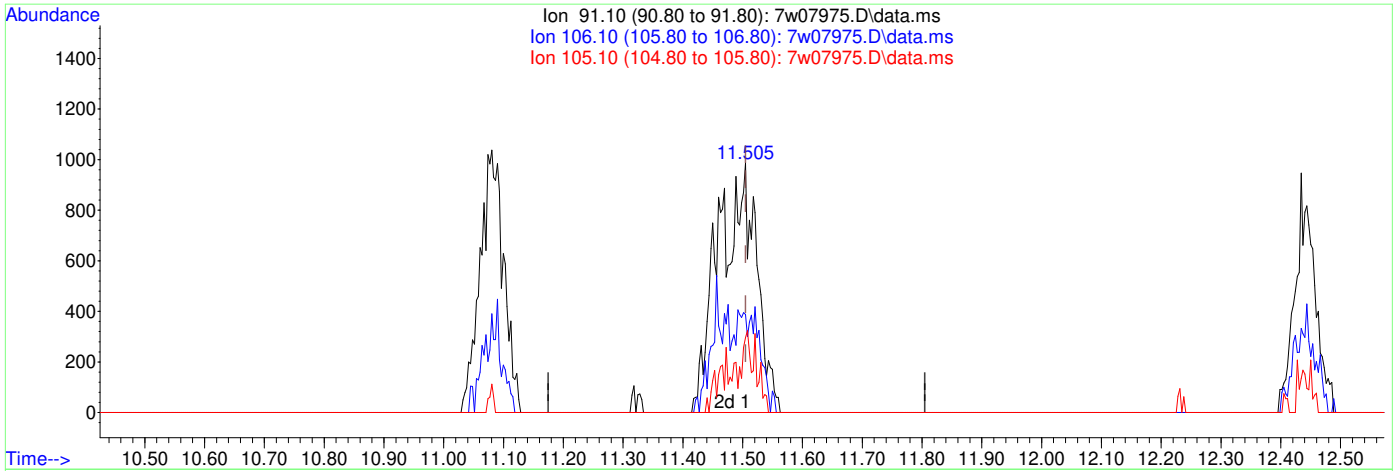
response 2415

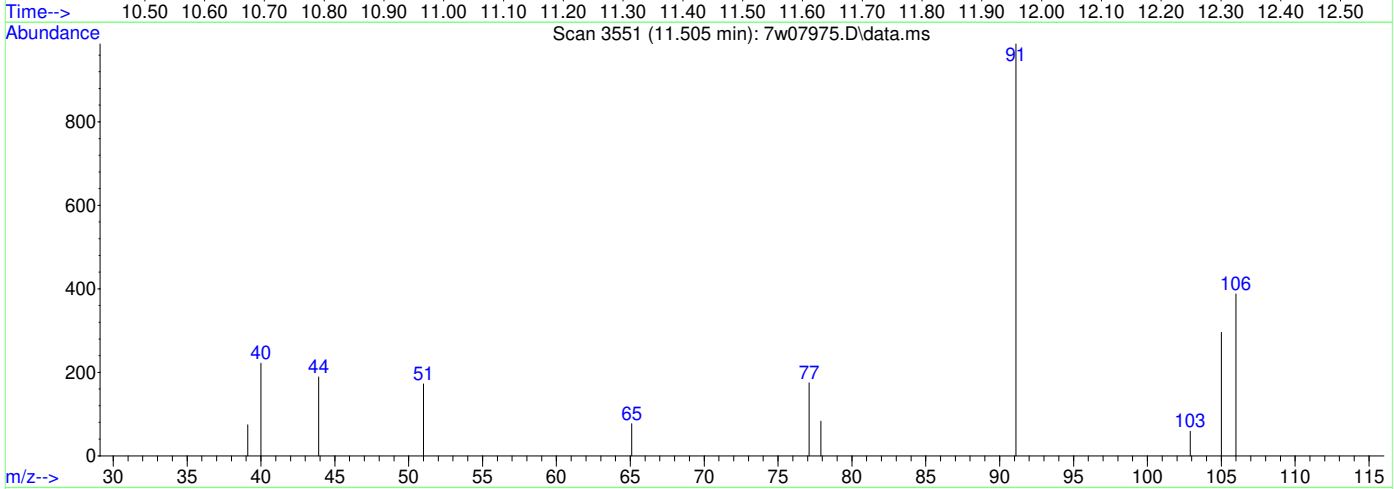
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 17.97 |
| 105.10 | 11.30 | 30.39 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:00:44 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(80) M,P-XYLENE (t)

11.505min (-0.000) 0.09PPBV m

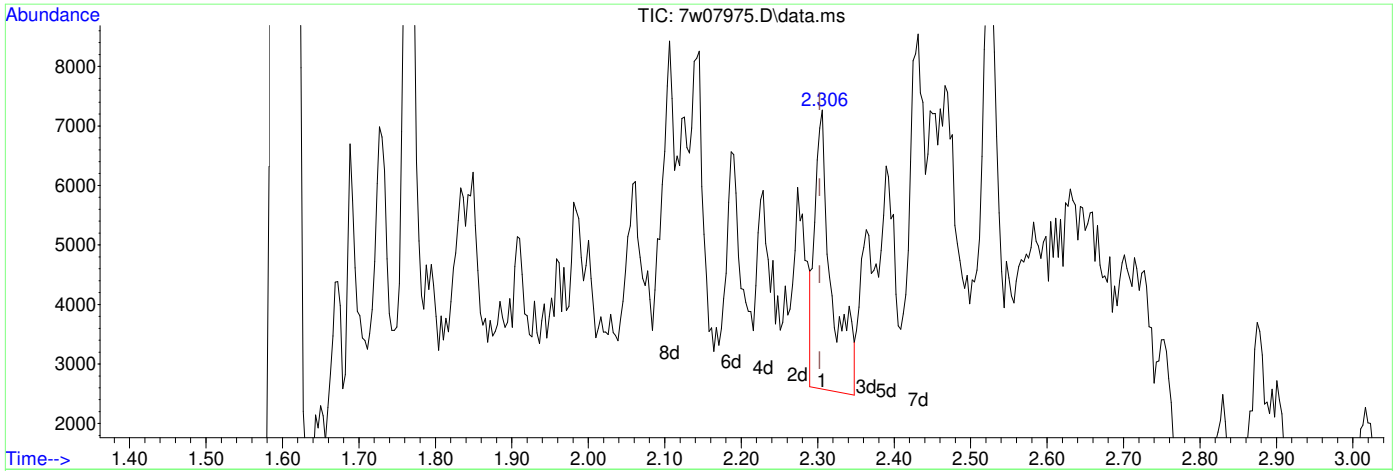
response 4346

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 9.99 |
| 105.10 | 11.30 | 16.89 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.08PPBV

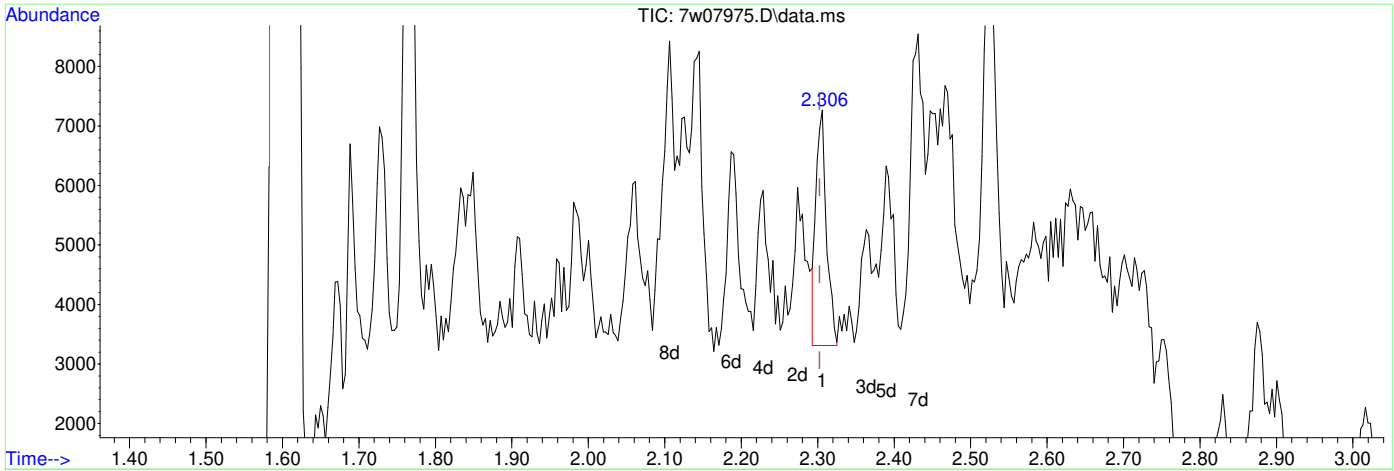
response 7138

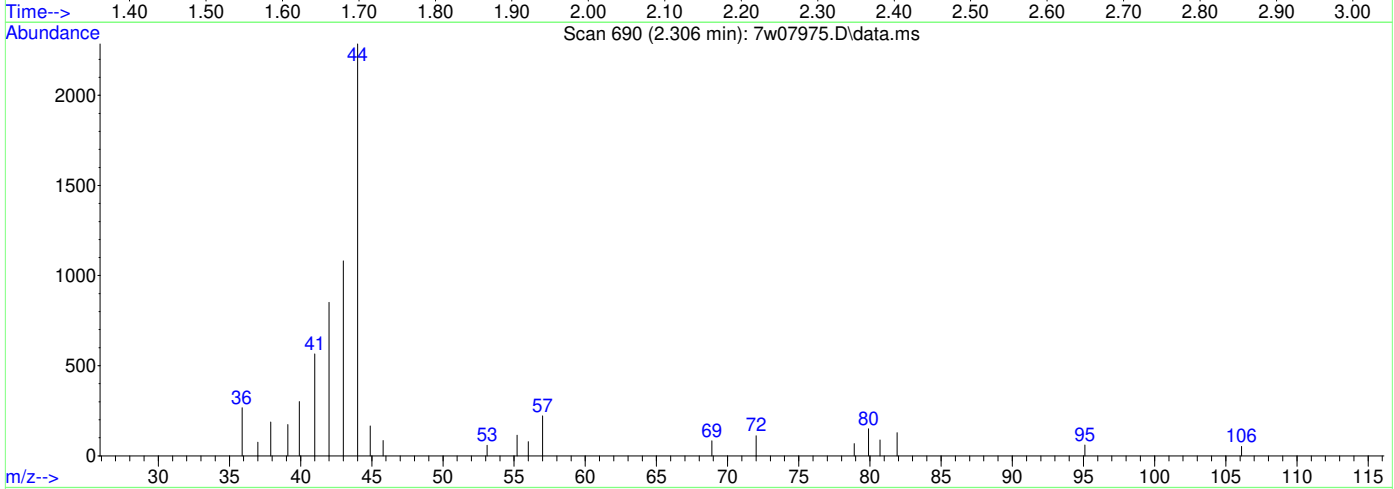
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 03:01:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(110) TVHC as equiv Pentane

2.306min (+0.003) 0.04PPBV m

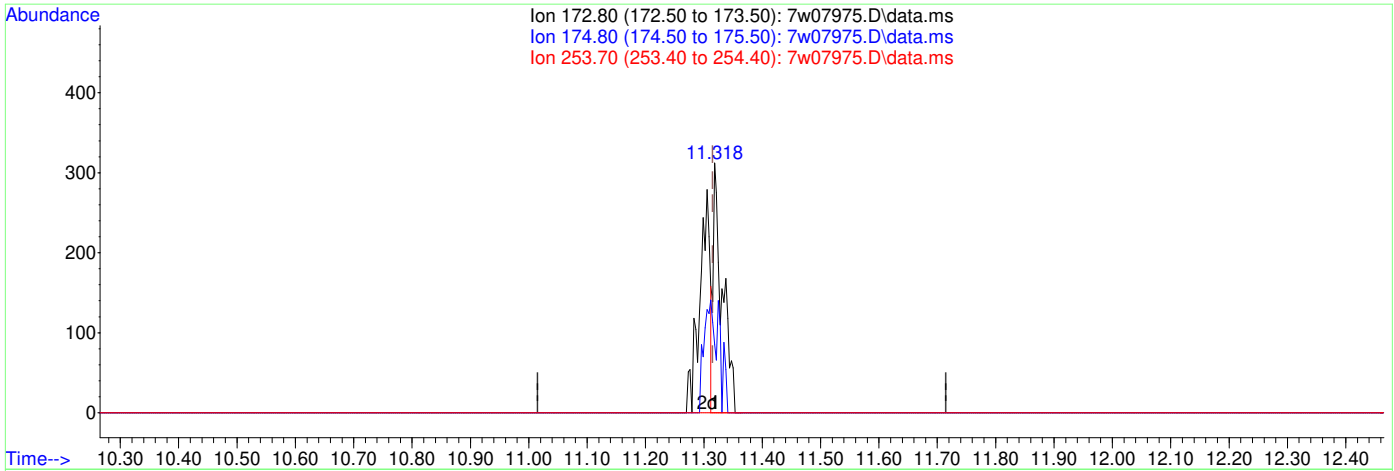
response 3733

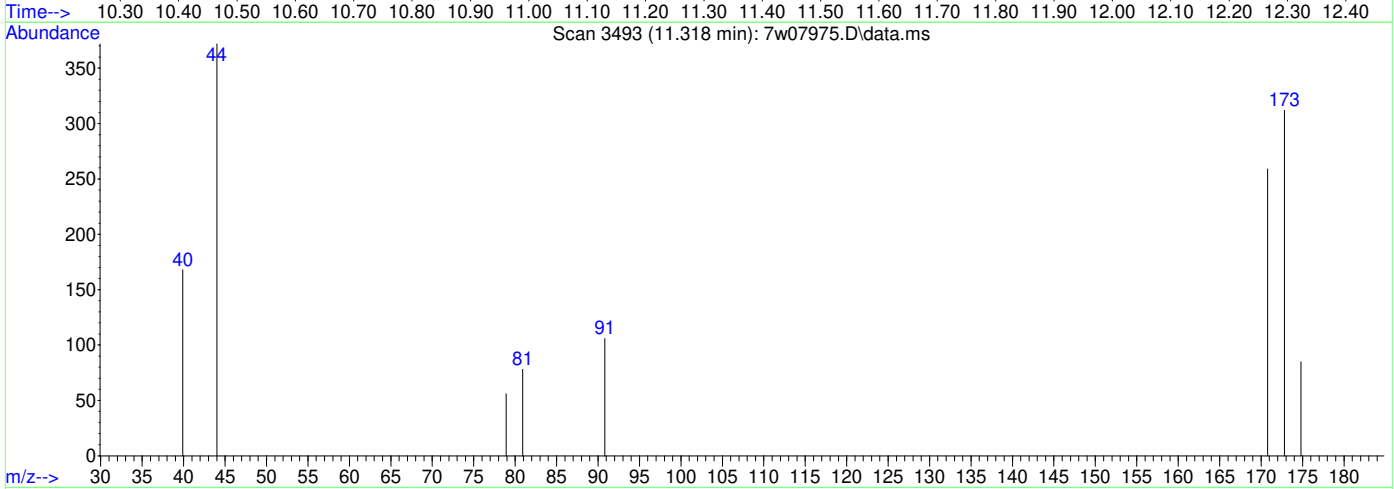
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.02PPBV

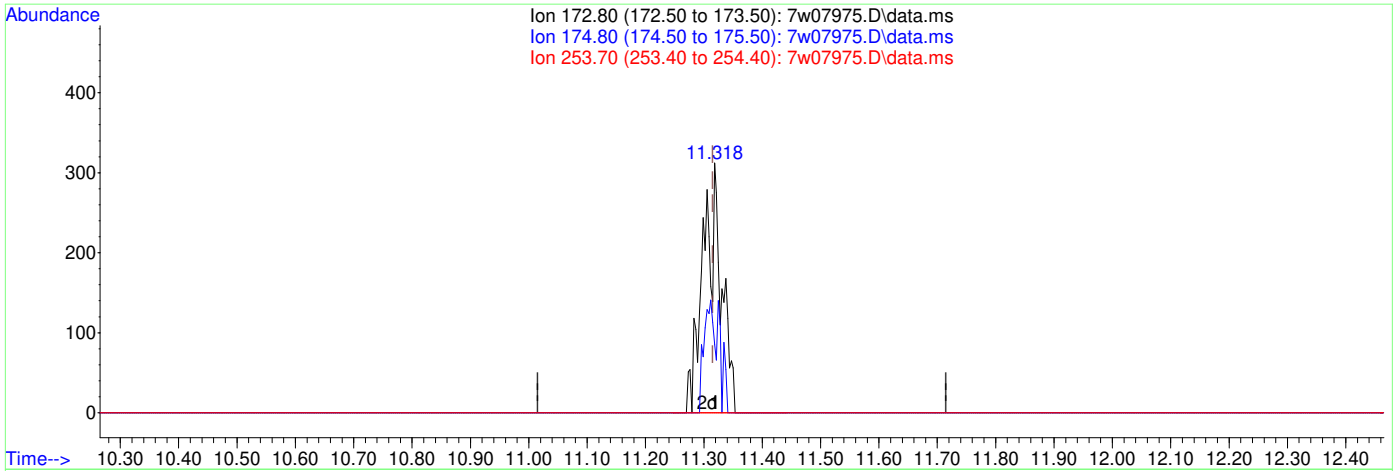
response 343

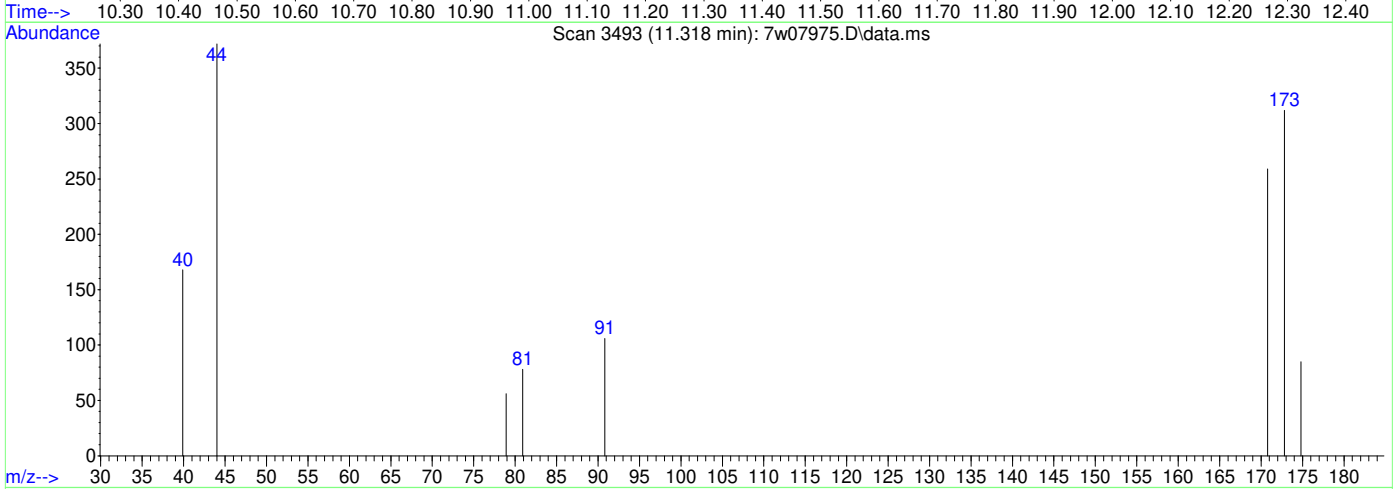
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 73.76# |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(84) BROMOFORM (T)

11.318min (+0.003) 0.03PPBV m

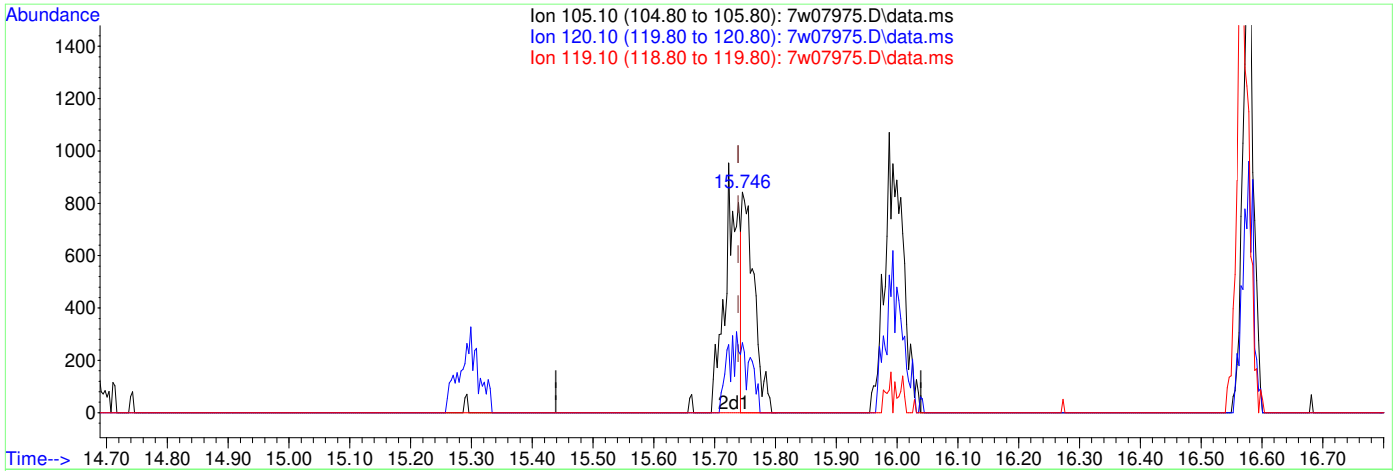
response 690

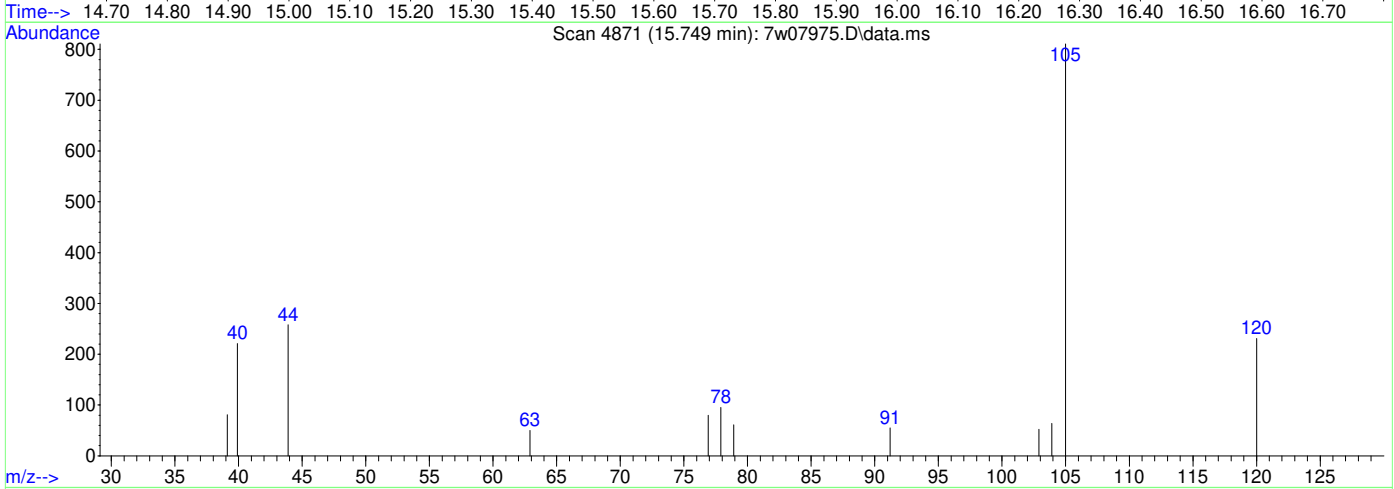
| Ion | Exp% | Act% |
|---|---|---|
| 172.80 | 100 | 100 |
| 174.80 | 48.30 | 36.67 |
| 253.70 | 8.60 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.749min (+0.010) 0.02PPBV

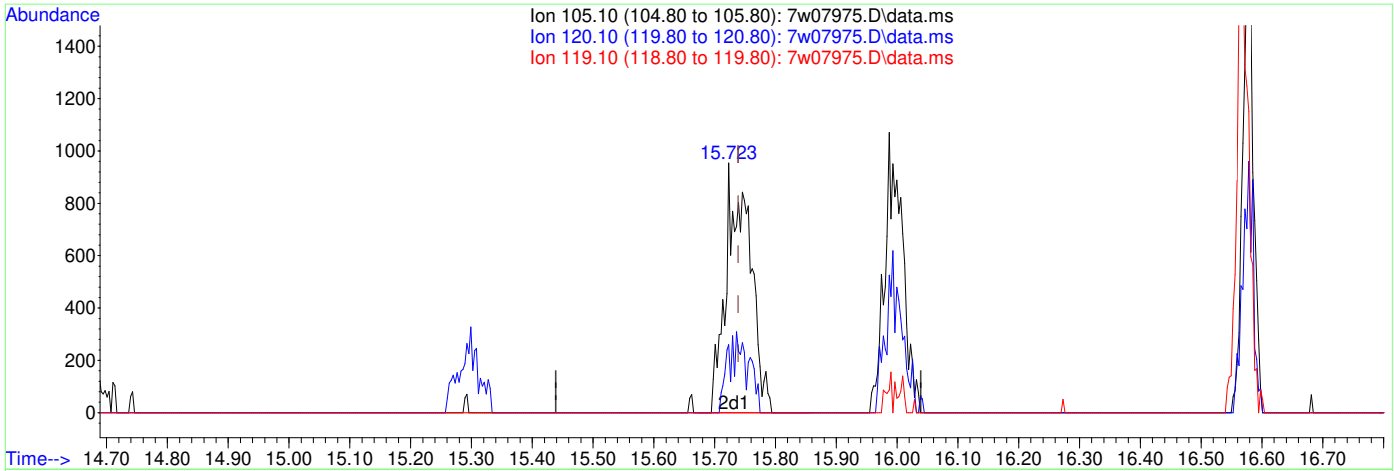
response 1190

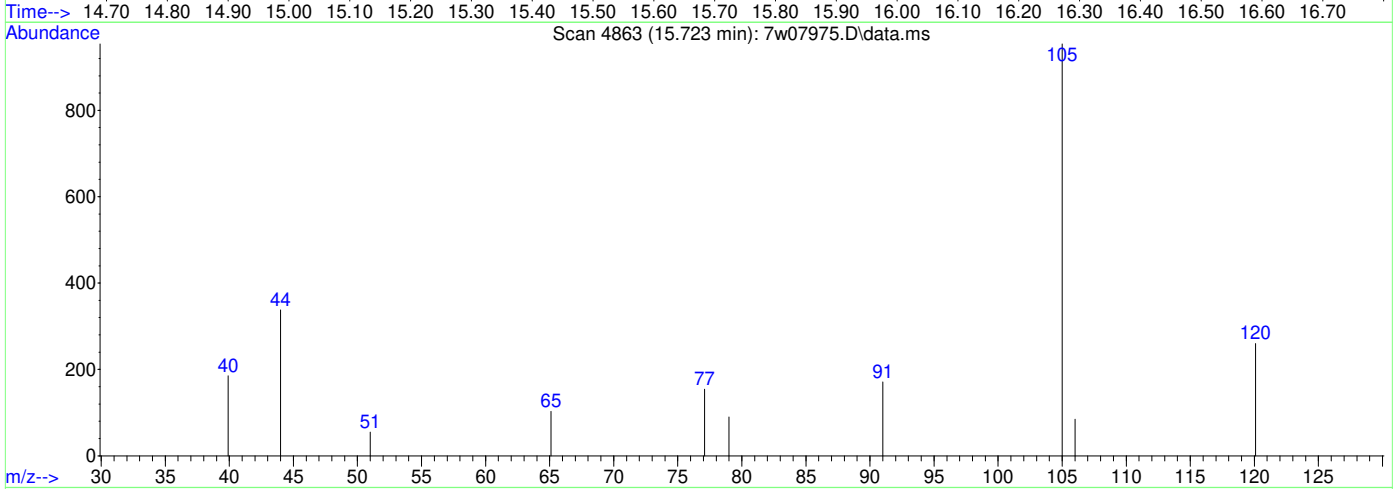
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 59.66# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07975.D
Acq On : 18 Aug 2024 9:40 pm
Operator : benk
Sample : ic305-0.04
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 09:48:13 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 02:57:23 2024
Response via : Initial Calibration




TIC: 7w07975.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.723min (-0.016) 0.04PPBV m

response 2657

| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 29.90 | 26.72 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 426374 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 372534 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 83993 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 268355 | 9.65 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 1189 | 0.11 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 621 | 0.10 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 284 | 0.10 | PPBV | | 86 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 1478 | 0.11 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 3366 | 0.09 | PPBV | | 97 |
| 7) PROPYLENE | 1.672 | 41 | 1040 | 0.13 | PPBV | | 91 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 2851 | 0.09 | PPBV | # | 85 |
| 9) FREON 114 | 1.762 | 85 | 3135 | 0.10 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 472 | 0.09 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 1305 | 0.09 | PPBV | # | 96 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 1195 | 0.09 | PPBV | # | 79 |
| 13) N-BUTANE | 1.849 | 43 | 2166 | 0.09 | PPBV | # | 55 |
| 14) BROMOMETHANE | 1.907 | 94 | 1159 | 0.10 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 645 | 0.08 | PPBV | # | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 2615 | 0.09 | PPBV | | 90 |
| 17) ACETONITRILE | 2.055 | 41 | 1535 | 0.10 | PPBV | # | 70 |
| 18) ACROLEIN | 2.097 | 56 | 855 | 0.11 | PPBV | | 79 |
| 19) FREON 123 | 2.106 | 83 | 2595 | 0.08 | PPBV | | 91 |
| 20) FREON 123A | 2.122 | 117 | 1623 | 0.09 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 3104 | 0.09 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.232 | 45 | 3464 | 0.09 | PPBV | # | 96 |
| 23) ACETONE | 2.142 | 58 | 1367 | 0.13 | PPBV | | 81 |
| 24) PENTANE | 2.299 | 42 | 1690 | 0.09 | PPBV | | 94 |
| 25) IODOMETHANE | 2.367 | 142 | 2692 | 0.09 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.389 | 96 | 1212 | 0.09 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 3323 | 0.09 | PPBV | # | 2 |
| 28) ETHANOL | 1.997 | 45 | 1564 | 0.18 | PPBV | # | 91 |
| 29) BROMOETHENE | 2.061 | 106 | 1012 | 0.08 | PPBV | # | 91 |
| 30) ACRYLONITRILE | 2.277 | 52 | 1142 | 0.09 | PPBV | | 88 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 1614 | 0.13 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.467 | 76 | 615 | 0.09 | PPBV | # | 34 |
| 33) FREON 113 | 2.524 | 151 | 1786 | 0.09 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 1124 | 0.09 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.454 | 59 | 2814 | 0.09 | PPBV | # | 1 |
| 36) METHYL TERTIARY BUTYL ... | 2.875 | 73 | 2894 | 0.10 | PPBV | # | 83 |
| 37) TETRAHYDROFURAN | 3.589 | 72 | 550 | 0.11 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 2328 | 0.10 | PPBV | | 95 |
| 39) VINYL ACETATE | 2.897 | 86 | 238 | 0.10 | PPBV | # | 28 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 2094 | 0.10 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 631 | 0.12 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 1257 | 0.11 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 665 | 0.11 | PPBV | | 91 |
| 44) ETHYL ACETATE | 3.348 | 61 | 500 | 0.11 | PPBV | | 79 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 2546 | 0.09 | PPBV | | 96 |
| 46) CHLOROFORM | 3.338 | 83 | 2546 | 0.11 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.830 | 57 | 2770 | 0.11 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 2268 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 2109 | 0.10 | PPBV | | 95 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.746 | 62 | 1979 | 0.11 | PPBV | | 94 |
| 51) BENZENE | 4.225 | 78 | 4011 | 0.12 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.434 | 84 | 1594 | 0.11 | PPBV | | 93 |
| 54) 2,3-DIMETHYLPENTANE | 4.675 | 71 | 764 | 0.10 | PPBV | | 78 |
| 55) TRICHLOROETHENE | 5.122 | 95 | 1772 | 0.11 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 1565 | 0.11 | PPBV | | 98 |
| 57) DIBROMOMETHANE | 4.849 | 174 | 1541 | 0.11 | PPBV | | 98 |
| 58) ETHYL ACRYLATE | 5.029 | 55 | 3169 | 0.10 | PPBV | | 98 |
| 59) BROMODICHLOROMETHANE | 5.068 | 83 | 2410 | 0.10 | PPBV | | 89 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.212 | 57 | 7392 | 0.10 | PPBV | | 96 |
| 61) 1,4-DIOXANE | 5.245 | 88 | 791 | 0.10 | PPBV | # | 31 |
| 62) HEPTANE | 5.534 | 43 | 2624 | 0.10 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 5.441 | 69 | 1358 | 0.10 | PPBV | | 99 |
| 64) METHYL ISOBUTYL KETONE | 6.209 | 58 | 1670 | 0.11 | PPBV | | 85 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.064 | 75 | 1749 | 0.09 | PPBV | | 95 |
| 66) TOLUENE | 7.257 | 91 | 4699 | 0.11 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.322 | 76 | 2200 | 0.10 | PPBV | | 94 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 1161 | 0.07 | PPBV | | 92 |
| 69) 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 1330 | 0.11 | PPBV | | 97 |
| 70) 2-HEXANONE | 7.891 | 58 | 2802 | 0.12 | PPBV | | 98 |
| 71) ETHYL METHACRYLATE | 7.990 | 69 | 2017 | 0.09 | PPBV | # | 29 |
| 72) TETRACHLOROETHENE | 8.987 | 164 | 1787 | 0.11 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.791 | 129 | 2184 | 0.11 | PPBV | | 96 |
| 74) 1,2-DIBROMOETHANE | 8.148 | 107 | 2144 | 0.10 | PPBV | # | 93 |
| 75) OCTANE | 9.145 | 43 | 4023 | 0.11 | PPBV | | 97 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 1614 | 0.10 | PPBV | | 98 |
| 78) CHLOROBENZENE | 10.196 | 112 | 3946 | 0.12 | PPBV | | 98 |
| 79) ETHYLBENZENE | 11.077 | 91 | 6395 | 0.11 | PPBV | | 98 |
| 80) M,P-XYLENE | 11.502 | 91 | 9776m | 0.24 | PPBV | | |
| 81) O-XYLENE | 12.444 | 91 | 5001 | 0.12 | PPBV | | 96 |
| 82) STYRENE | 12.231 | 104 | 3528 | 0.11 | PPBV | | 97 |
| 83) NONANE | 13.569 | 43 | 4019 | 0.11 | PPBV | | 98 |
| 84) BROMOFORM | 11.309 | 173 | 1656 | 0.09 | PPBV | # | 94 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 3311 | 0.11 | PPBV | # | 27 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.730 | 75 | 2751 | 0.12 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.964 | 120 | 1945 | 0.12 | PPBV | | 89 |
| 89) BROMOBENZENE | 13.813 | 77 | 3458 | 0.11 | PPBV | | 95 |
| 90) 2-CHLOROTOLUENE | 14.948 | 126 | 1559 | 0.11 | PPBV | | 93 |
| 91) N-PROPYLBENZENE | 15.292 | 120 | 1817 | 0.11 | PPBV | # | 78 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 6120 | 0.10 | PPBV | # | 75 |
| 93) 1,3,5-TRIMETHYLBENZENE | 16.000 | 105 | 5446 | 0.10 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.267 | 118 | 2523 | 0.09 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 1313 | 0.10 | PPBV | | 98 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 5507 | 0.09 | PPBV | | 97 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 1270 | 0.05 | PPBV | | 98 |
| 98) M-DICHLOROBENZENE | 16.636 | 146 | 3586 | 0.10 | PPBV | | 93 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 3820 | 0.10 | PPBV | | 100 |
| 100) O-DICHLOROBENZENE | 17.041 | 146 | 3498 | 0.10 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.878 | 134 | 1720 | 0.10 | PPBV | | 90 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 5572 | 0.10 | PPBV | | 97 |
| 103) P-ISOPROPYLTOLUENE | 17.061 | 134 | 1842 | 0.10 | PPBV | | 91 |
| 104) N-BUTYLBENZENE | 17.427 | 134 | 1626 | 0.09 | PPBV | | 90 |
| 105) HEXACHLOROETHANE | 17.604 | 117 | 1235 | 0.07 | PPBV | | 96 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 2528 | 0.10 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 3381 | 0.14 | PPBV | | 97 |
| 108) NAPHTHALENE | 18.395 | 128 | 9159 | 0.16 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 2.303 | TIC | 8184 | 0.10 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration

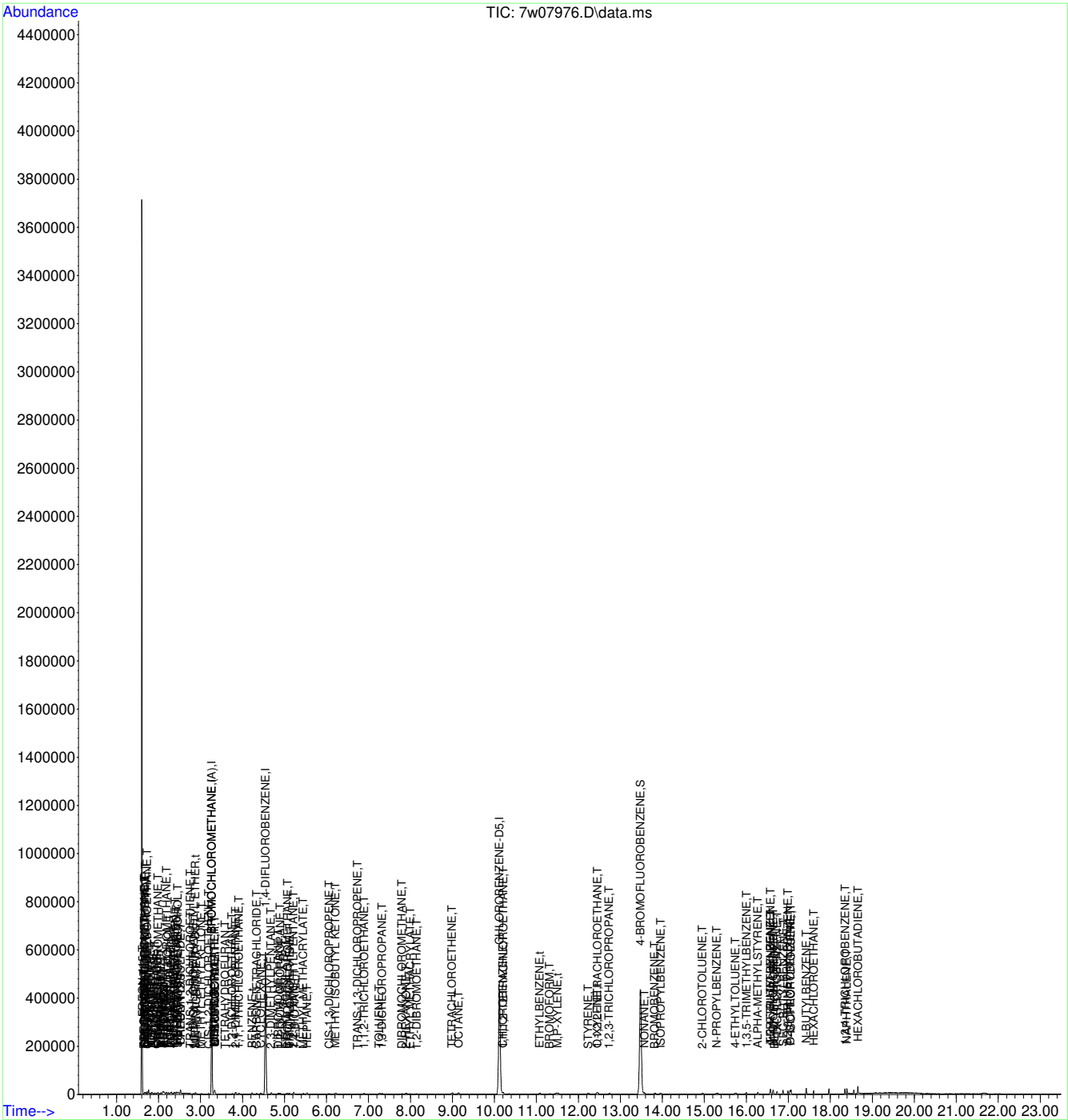
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



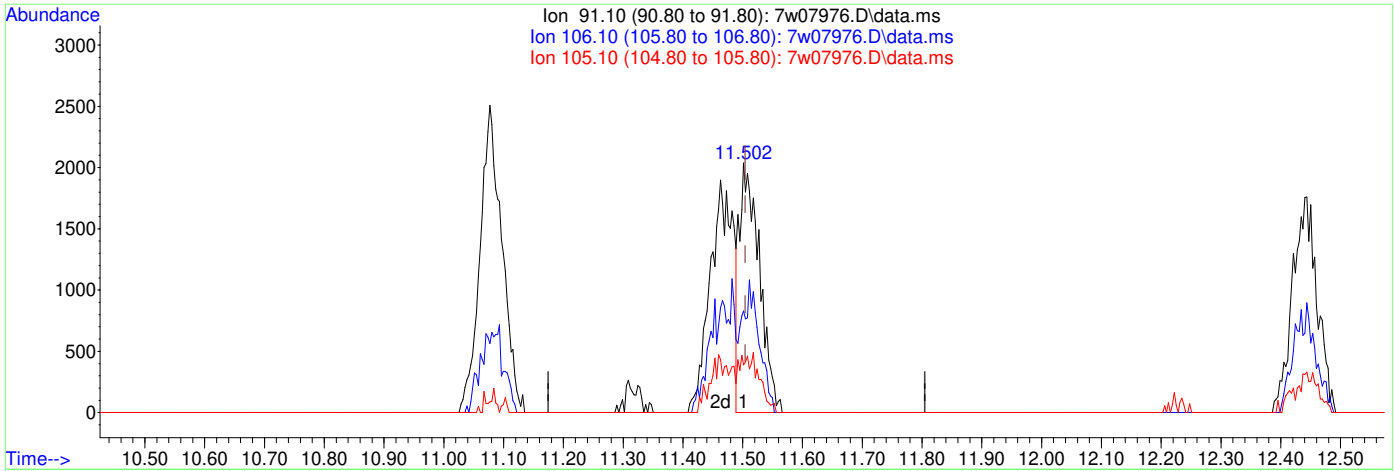
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07976.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:13 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

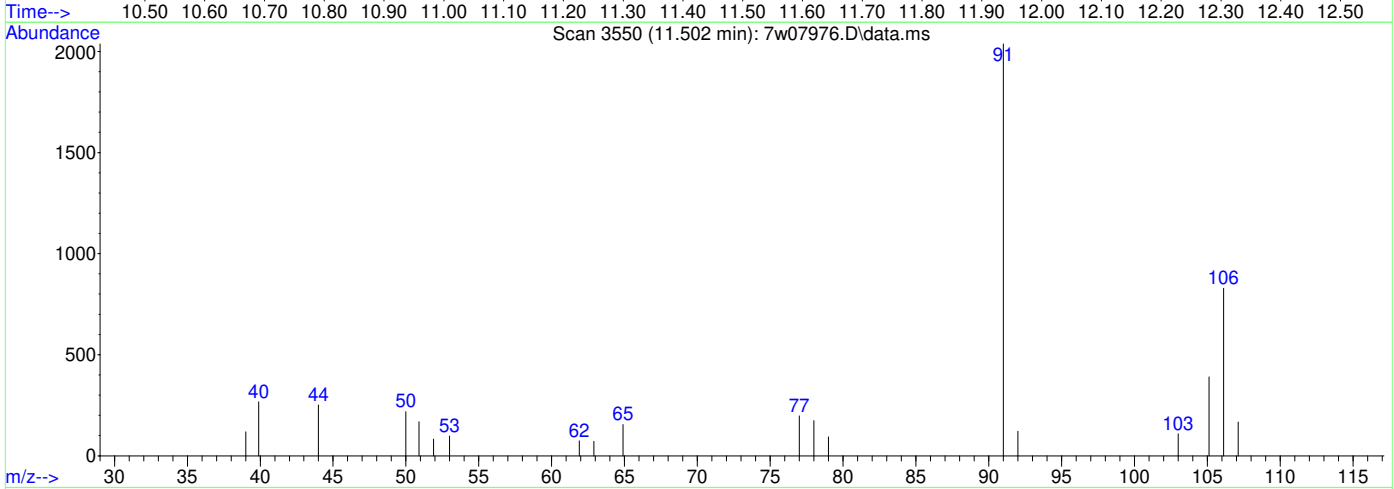
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.11PPBV

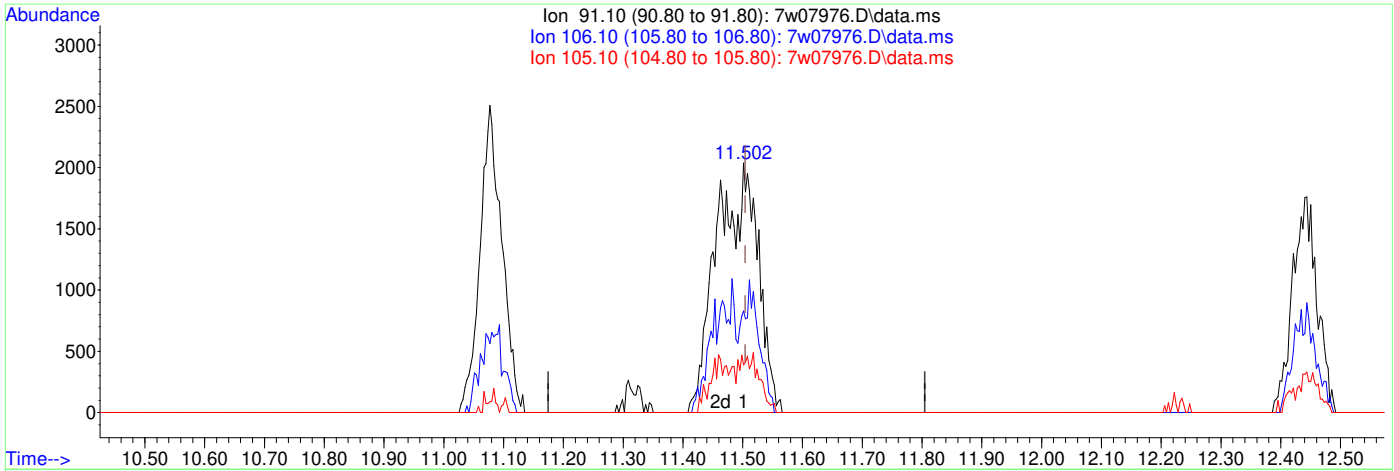
response 4741

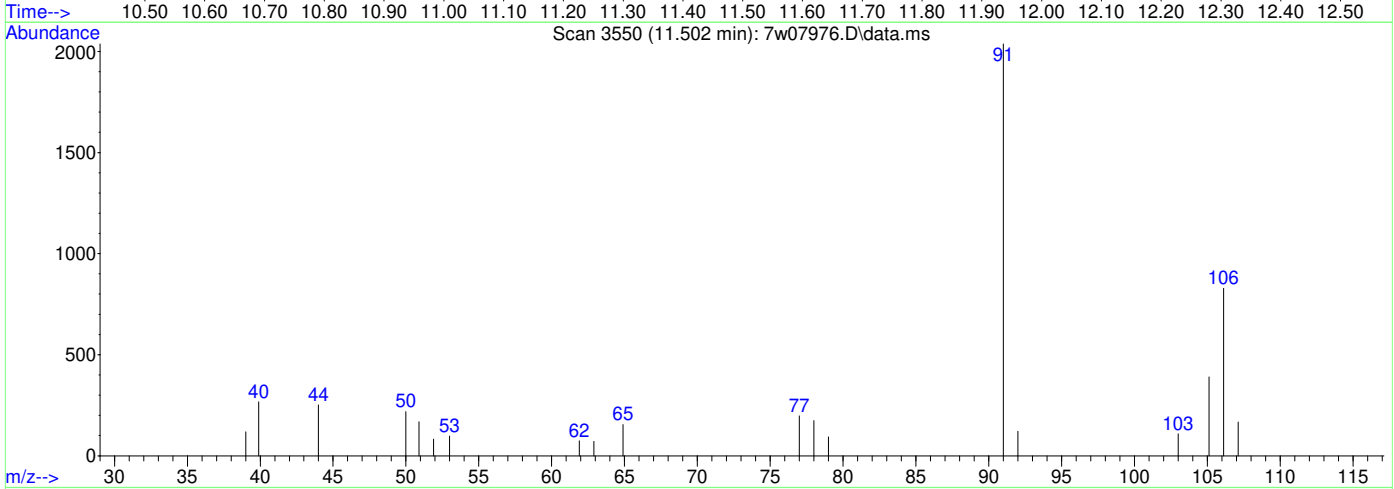
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.55 |
| 105.10 | 11.30 | 23.24 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07976.D
Acq On : 18 Aug 2024 10:13 pm
Operator : benk
Sample : ic305-0.10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:49:26 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:16 2024
Response via : Initial Calibration




TIC: 7w07976.D\data.ms

(80) M,P-XYLENE (t)

11.502min (-0.003) 0.24PPBV m

response 9776

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.15 |
| 105.10 | 11.30 | 11.27 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 417480 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 367012 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81591 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 264802 | 9.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 2326 | 0.21 | PPBV | | 94 |
| 3) FREON 152A | 1.647 | 65 | 1163 | 0.19 | PPBV | | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 602 | 0.23 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 2630 | 0.21 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 6840 | 0.19 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 1717 | 0.21 | PPBV | | 94 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 5757 | 0.18 | PPBV | | 91 |
| 9) FREON 114 | 1.759 | 85 | 5769 | 0.18 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.727 | 52 | 850 | 0.17 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 2663 | 0.18 | PPBV | | 96 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 2375 | 0.19 | PPBV | | 94 |
| 13) N-BUTANE | 1.846 | 43 | 4070 | 0.17 | PPBV | # | 79 |
| 14) BROMOMETHANE | 1.907 | 94 | 2219 | 0.19 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 1401 | 0.17 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 5439 | 0.19 | PPBV | | 99 |
| 17) ACETONITRILE | 2.055 | 41 | 3149 | 0.21 | PPBV | | 93 |
| 18) ACROLEIN | 2.094 | 56 | 1372 | 0.19 | PPBV | | 89 |
| 19) FREON 123 | 2.103 | 83 | 5470 | 0.17 | PPBV | | 98 |
| 20) FREON 123A | 2.123 | 117 | 3145 | 0.18 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 5923 | 0.18 | PPBV | | 97 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 6150 | 0.16 | PPBV | | 100 |
| 23) ACETONE | 2.139 | 58 | 2159 | 0.22 | PPBV | | 100 |
| 24) PENTANE | 2.299 | 42 | 3022 | 0.16 | PPBV | | 96 |
| 25) IODOMETHANE | 2.361 | 142 | 5432 | 0.18 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 2330 | 0.18 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 6551 | 0.18 | PPBV | # | 31 |
| 28) ETHANOL | 2.000 | 45 | 2022 | 0.24 | PPBV | | 87 |
| 29) BROMOETHENE | 2.058 | 106 | 2034 | 0.17 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.277 | 52 | 2439 | 0.18 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 2696 | 0.22 | PPBV | | 94 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 1256 | 0.18 | PPBV | # | 56 |
| 33) FREON 113 | 2.521 | 151 | 3632 | 0.19 | PPBV | | 98 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.750 | 96 | 2164 | 0.18 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.451 | 59 | 5152 | 0.16 | PPBV | # | 60 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 5623 | 0.21 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.582 | 72 | 1097 | 0.23 | PPBV | | 95 |
| 38) HEXANE | 3.322 | 57 | 4465 | 0.20 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.907 | 86 | 442 | 0.19 | PPBV | # | 41 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 4233 | 0.21 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.013 | 72 | 1161 | 0.22 | PPBV | | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 2366 | 0.22 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 1113 | 0.18 | PPBV | | 76 |
| 44) ETHYL ACETATE | 3.344 | 61 | 910 | 0.22 | PPBV | # | 94 |
| 45) METHYL ACRYLATE | 3.325 | 55 | 4855 | 0.19 | PPBV | # | 25 |
| 46) CHLOROFORM | 3.338 | 83 | 4898 | 0.22 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 4922 | 0.20 | PPBV | | 96 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 4147 | 0.20 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 4013 | 0.20 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 3831 | 0.22 | PPBV | | 98 |
| 51) | BENZENE | 4.222 | 78 | 7289 | 0.22 | PPBV | | 98 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 3089 | 0.22 | PPBV | | 95 |
| 54) | 2,3-DIMETHYLPENTANE | 4.682 | 71 | 1631 | 0.22 | PPBV | | 93 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 3128 | 0.21 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 2838 | 0.20 | PPBV | | 95 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 2782 | 0.20 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.020 | 55 | 6089 | 0.20 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.065 | 83 | 4748 | 0.20 | PPBV | | 95 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 14752 | 0.21 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.222 | 88 | 2233 | 0.23 | PPBV | # | 1 |
| 62) | HEPTANE | 5.534 | 43 | 5290 | 0.21 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 2733 | 0.22 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.216 | 58 | 3415 | 0.22 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 3343 | 0.18 | PPBV | | 95 |
| 66) | TOLUENE | 7.264 | 91 | 9195 | 0.22 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.319 | 76 | 4502 | 0.22 | PPBV | | 98 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 2208 | 0.14 | PPBV | | 90 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.891 | 83 | 2480 | 0.21 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.888 | 58 | 5066 | 0.18 | PPBV | | 93 |
| 71) | ETHYL METHACRYLATE | 7.984 | 69 | 4055 | 0.20 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.991 | 164 | 3549 | 0.22 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 4142 | 0.21 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.135 | 107 | 4391 | 0.22 | PPBV | # | 98 |
| 75) | OCTANE | 9.135 | 43 | 7595 | 0.22 | PPBV | | 97 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 2986 | 0.19 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 7462 | 0.23 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.077 | 91 | 12480 | 0.20 | PPBV | | 96 |
| 80) | M,P-XYLENE | 11.498 | 91 | 18766m | 0.43 | PPBV | | |
| 81) | O-XYLENE | 12.447 | 91 | 9653 | 0.23 | PPBV | | 87 |
| 82) | STYRENE | 12.235 | 104 | 6881 | 0.23 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 7639 | 0.22 | PPBV | | 96 |
| 84) | BROMOFORM | 11.322 | 173 | 3470 | 0.19 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 6952 | 0.23 | PPBV | | 97 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 5179 | 0.22 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 3629 | 0.22 | PPBV | | 97 |
| 89) | BROMOBENZENE | 13.820 | 77 | 6828 | 0.23 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 3019 | 0.20 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 3589 | 0.22 | PPBV | | 95 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 13103 | 0.20 | PPBV | # | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.993 | 105 | 10844 | 0.20 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 5388 | 0.20 | PPBV | | 97 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 2559 | 0.18 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.575 | 105 | 11120 | 0.19 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.665 | 91 | 2497 | 0.10 | PPBV | | 96 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 7185 | 0.20 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 7542 | 0.20 | PPBV | | 98 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 7199 | 0.20 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 3121 | 0.19 | PPBV | | 94 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 11396 | 0.20 | PPBV | # | 96 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 3732 | 0.21 | PPBV | | 91 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 3509 | 0.21 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 2451 | 0.14 | PPBV | | 97 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 4955 | 0.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 6745 | 0.33 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 18097 | 0.38 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 17481 | 0.21 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration

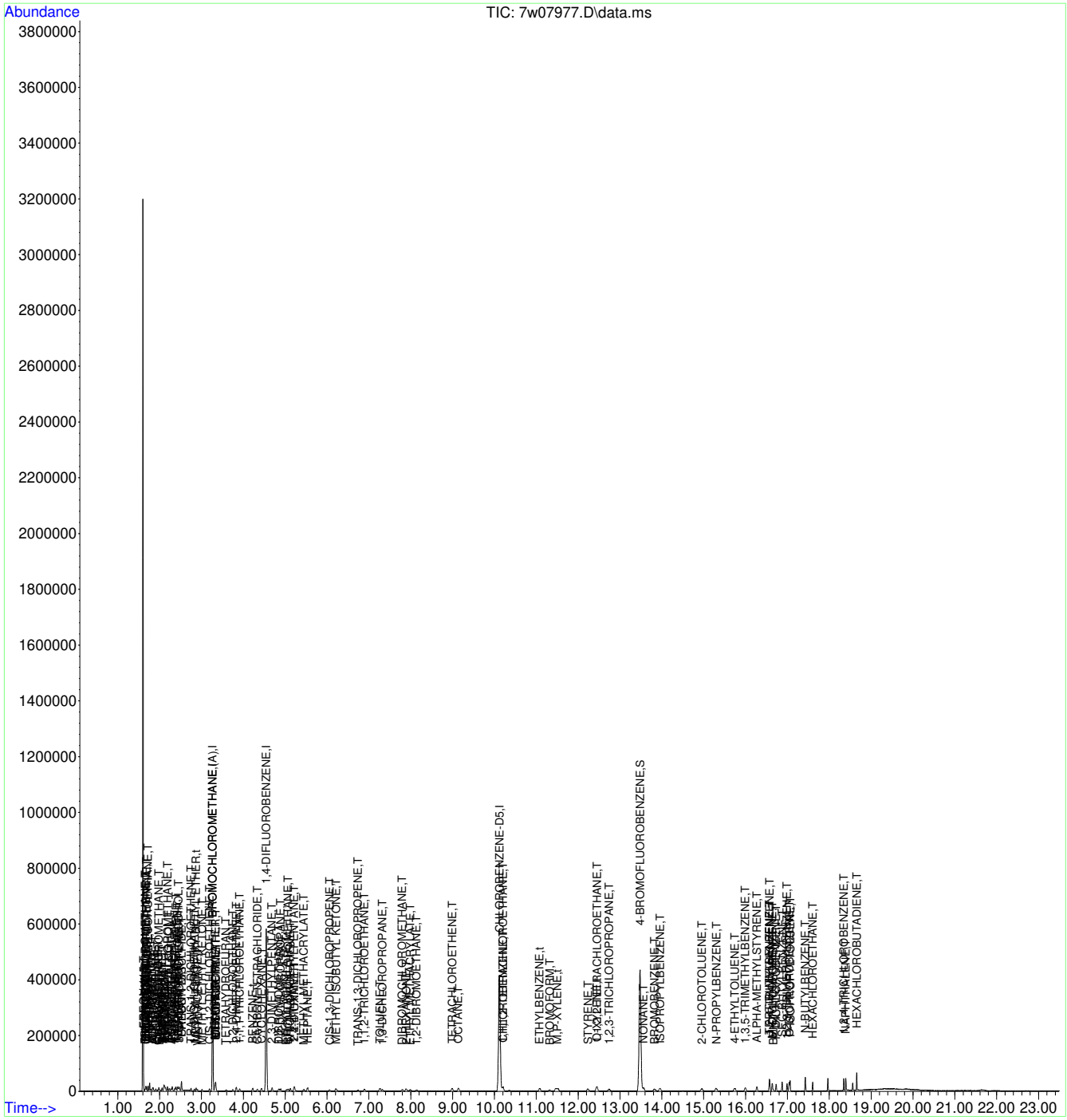
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 02:24:09 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



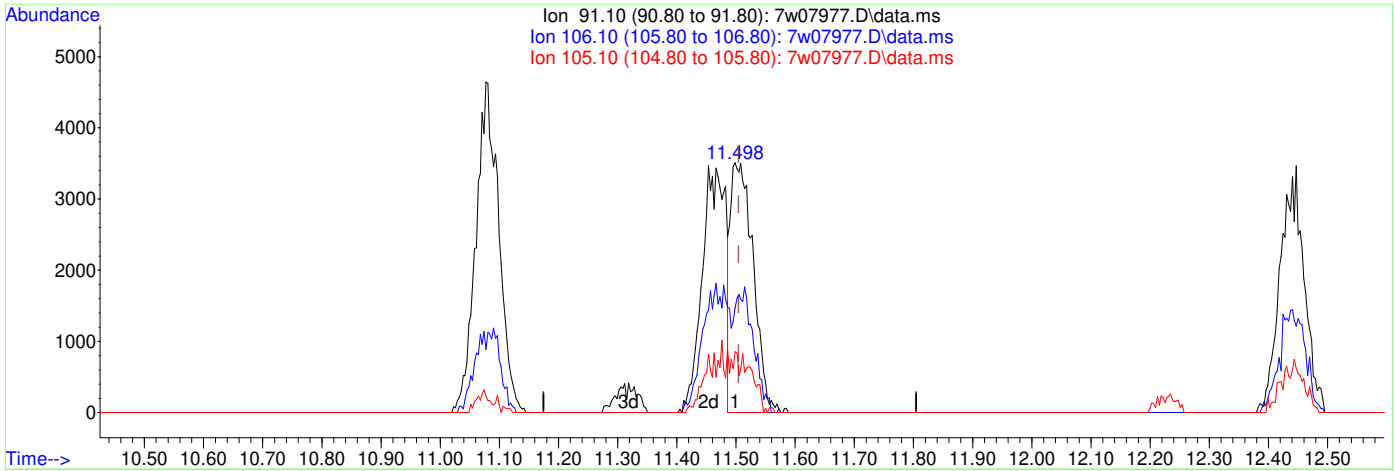
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07977.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/18/24 22:49 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

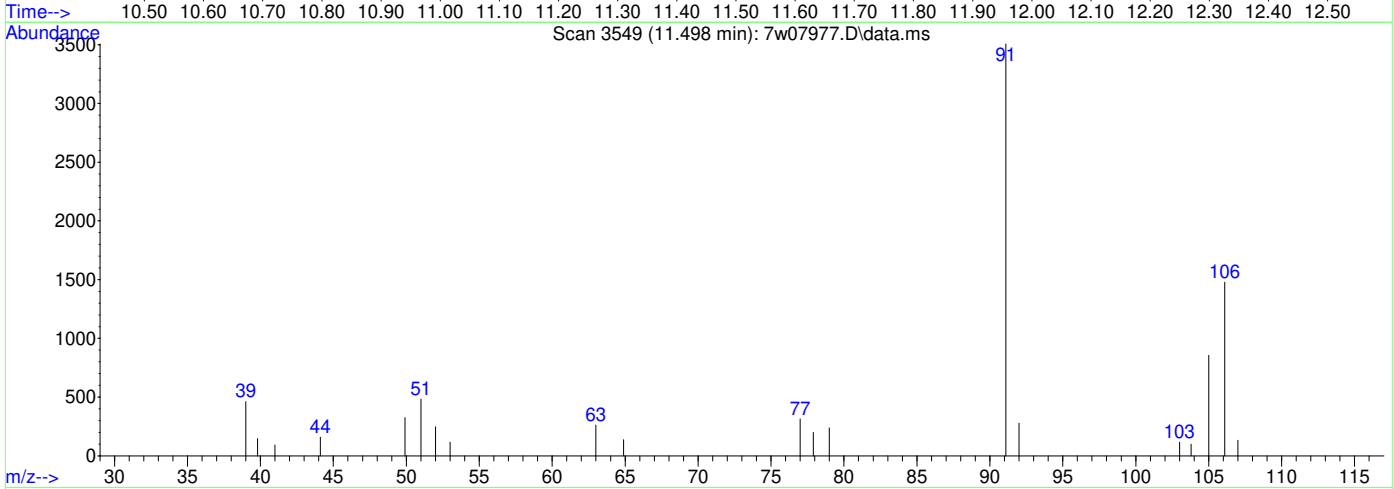
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.50 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.22PPBV

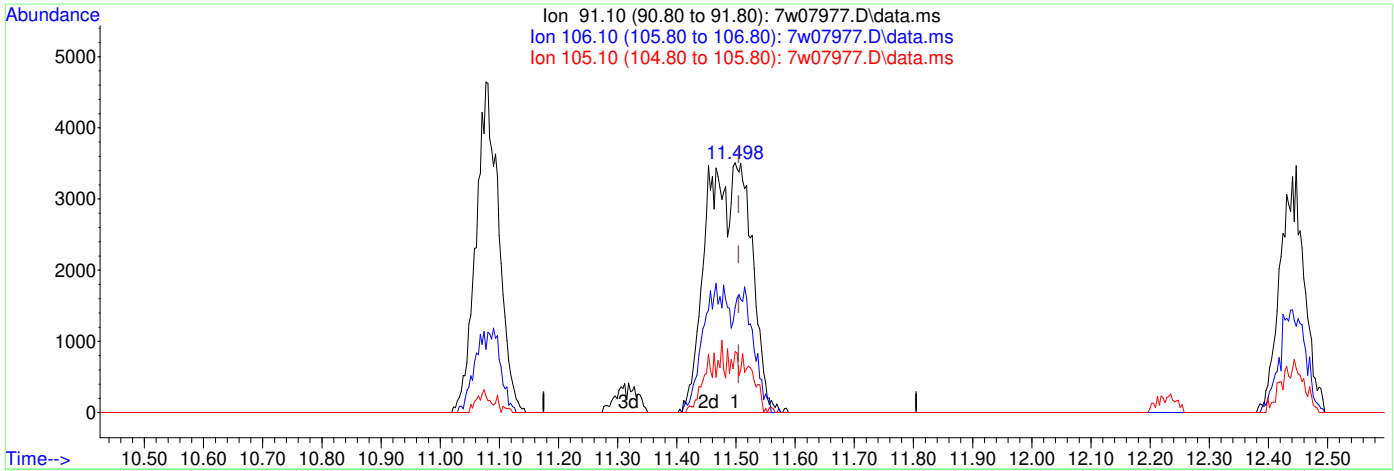
response 9375

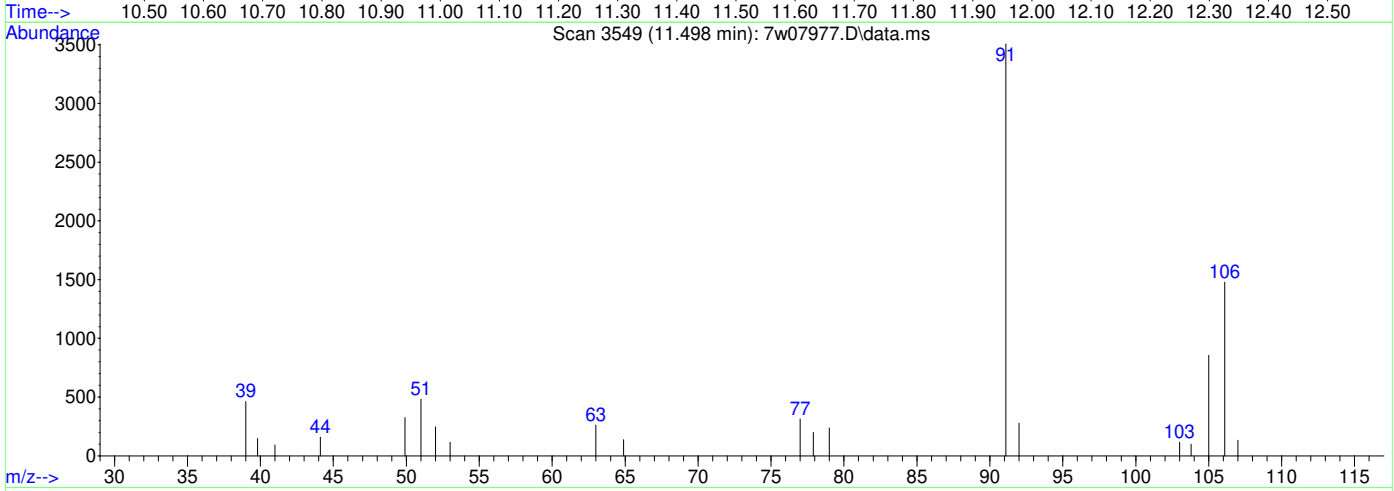
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 41.98 |
| 105.10 | 11.30 | 13.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07977.D
Acq On : 18 Aug 2024 10:49 pm
Operator : benk
Sample : ic305-0.20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 19 00:48:57 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:32 2024
Response via : Initial Calibration




TIC: 7w07977.D\data.ms

(80) M,P-XYLENE (t)

11.498min (-0.006) 0.43PPBV m

response 18766

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 20.97 |
| 105.10 | 11.30 | 6.70 |
| 0.00 | 0.00 | 0.00 |



7W07977.D edits: M,P-XYLENE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410941 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 362110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 79966 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262037 | 9.71 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 5861 | 0.54 | PPBV | | 96 |
| 3) FREON 152A | 1.644 | 65 | 3003 | 0.50 | PPBV | | 95 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 1485 | 0.58 | PPBV | | 100 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 6805 | 0.55 | PPBV | | 92 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 16795 | 0.46 | PPBV | | 99 |
| 7) PROPYLENE | 1.666 | 41 | 3977 | 0.50 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 14549 | 0.46 | PPBV | | 96 |
| 9) FREON 114 | 1.759 | 85 | 15134 | 0.48 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 2035 | 0.41 | PPBV | | 95 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 6673 | 0.44 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 5500 | 0.43 | PPBV | | 95 |
| 13) N-BUTANE | 1.846 | 43 | 10568 | 0.42 | PPBV | # | 90 |
| 14) BROMOMETHANE | 1.907 | 94 | 5484 | 0.48 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 3547 | 0.44 | PPBV | | 94 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 13608 | 0.47 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 6551 | 0.44 | PPBV | | 92 |
| 18) ACROLEIN | 2.094 | 56 | 3046 | 0.40 | PPBV | | 95 |
| 19) FREON 123 | 2.103 | 83 | 13299 | 0.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 8058 | 0.46 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.184 | 101 | 15424 | 0.46 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.226 | 45 | 14044 | 0.37 | PPBV | | 99 |
| 23) ACETONE | 2.139 | 58 | 4080 | 0.40 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 7472 | 0.39 | PPBV | | 98 |
| 25) IODOMETHANE | 2.361 | 142 | 13827 | 0.46 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.390 | 96 | 5730 | 0.43 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 16067 | 0.43 | PPBV | # | 66 |
| 28) ETHANOL | 1.994 | 45 | 4627 | 0.45 | PPBV | # | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 5247 | 0.44 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.274 | 52 | 5669 | 0.41 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.425 | 84 | 5894 | 0.48 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 2755 | 0.38 | PPBV | # | 37 |
| 33) FREON 113 | 2.521 | 151 | 8992 | 0.46 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 5687 | 0.48 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.444 | 59 | 13081 | 0.39 | PPBV | # | 64 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 13772 | 0.51 | PPBV | | 95 |
| 37) TETRAHYDROFURAN | 3.576 | 72 | 2595 | 0.57 | PPBV | | 96 |
| 38) HEXANE | 3.319 | 57 | 10976 | 0.50 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.898 | 86 | 1009 | 0.43 | PPBV | # | 29 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 10432 | 0.51 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 3.010 | 72 | 2909 | 0.56 | PPBV | | 96 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 6101 | 0.59 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.338 | 59 | 3049 | 0.51 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.341 | 61 | 2059 | 0.51 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 12344 | 0.48 | PPBV | | 97 |
| 46) CHLOROFORM | 3.341 | 83 | 12161 | 0.57 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 12901 | 0.55 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 10591 | 0.52 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 10121 | 0.53 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.746 | 62 | 9567 | 0.57 | PPBV | | 98 |
| 51) | BENZENE | 4.219 | 78 | 17995 | 0.55 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 7811 | 0.56 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.685 | 71 | 4068 | 0.57 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 8046 | 0.54 | PPBV | | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 7243 | 0.52 | PPBV | | 98 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 6875 | 0.51 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 5.023 | 55 | 14562 | 0.49 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 11794 | 0.51 | PPBV | | 91 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.213 | 57 | 35817 | 0.52 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.209 | 88 | 5137 | 0.55 | PPBV | # | 6 |
| 62) | HEPTANE | 5.534 | 43 | 12581 | 0.52 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.441 | 69 | 6275 | 0.51 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.196 | 58 | 7744 | 0.52 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 8234 | 0.44 | PPBV | | 96 |
| 66) | TOLUENE | 7.261 | 91 | 22485 | 0.55 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 11161 | 0.55 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 5585 | 0.36 | PPBV | | 94 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 6324 | 0.55 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.878 | 58 | 12049 | 0.43 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.981 | 69 | 9663 | 0.47 | PPBV | | 95 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 7989 | 0.51 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.795 | 129 | 10588 | 0.54 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.132 | 107 | 10784 | 0.55 | PPBV | # | 100 |
| 75) | OCTANE | 9.139 | 43 | 17732 | 0.53 | PPBV | | 99 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.203 | 131 | 7115 | 0.46 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 18568 | 0.58 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 30468 | 0.51 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.508 | 91 | 46842m | 1.05 | PPBV | | |
| 81) | O-XYLENE | 12.444 | 91 | 23828 | 0.59 | PPBV | | 94 |
| 82) | STYRENE | 12.225 | 104 | 17160 | 0.60 | PPBV | | 99 |
| 83) | NONANE | 13.560 | 43 | 19013 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 9340 | 0.52 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.450 | 83 | 16754 | 0.57 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 13531 | 0.60 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.945 | 120 | 8698 | 0.54 | PPBV | | 96 |
| 89) | BROMOBENZENE | 13.820 | 77 | 17048 | 0.58 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 8051 | 0.55 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.302 | 120 | 9156 | 0.58 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 32633 | 0.53 | PPBV | # | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 27233 | 0.51 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.267 | 118 | 13680 | 0.52 | PPBV | | 96 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 6648 | 0.48 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 28271 | 0.50 | PPBV | | 98 |
| 97) | BENZYL CHLORIDE | 16.666 | 91 | 6446 | 0.26 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 18160 | 0.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 18687 | 0.53 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 17767 | 0.53 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 8265 | 0.51 | PPBV | | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 27828 | 0.52 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 8738 | 0.50 | PPBV | | 97 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 8723 | 0.53 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 6412 | 0.37 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 12496 | 0.54 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 16068 | 0.91 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.395 | 128 | 47796 | 1.26 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 40854 | 0.48 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration

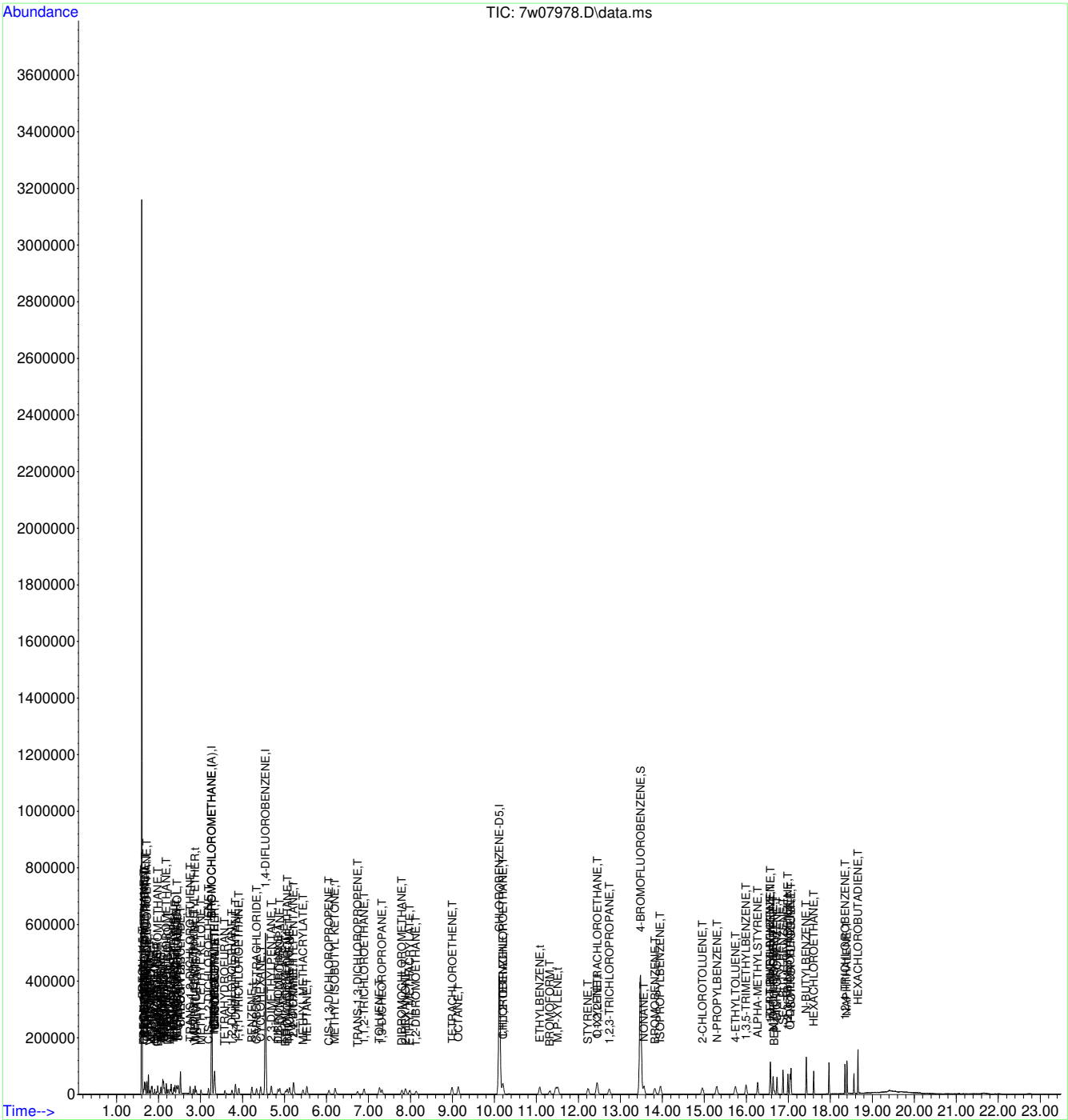
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 09:50:56 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



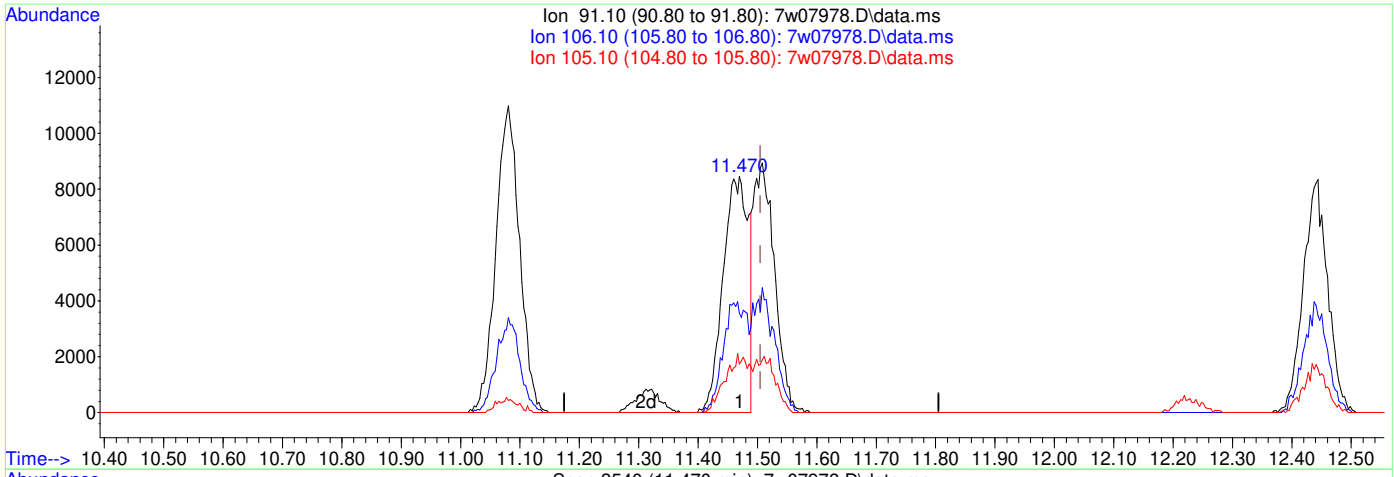
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07978.D | **Analyst approved:** | 08/19/24 10:01 Benjamin Kim |
| **Injection Time:** | 08/18/24 23:22 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

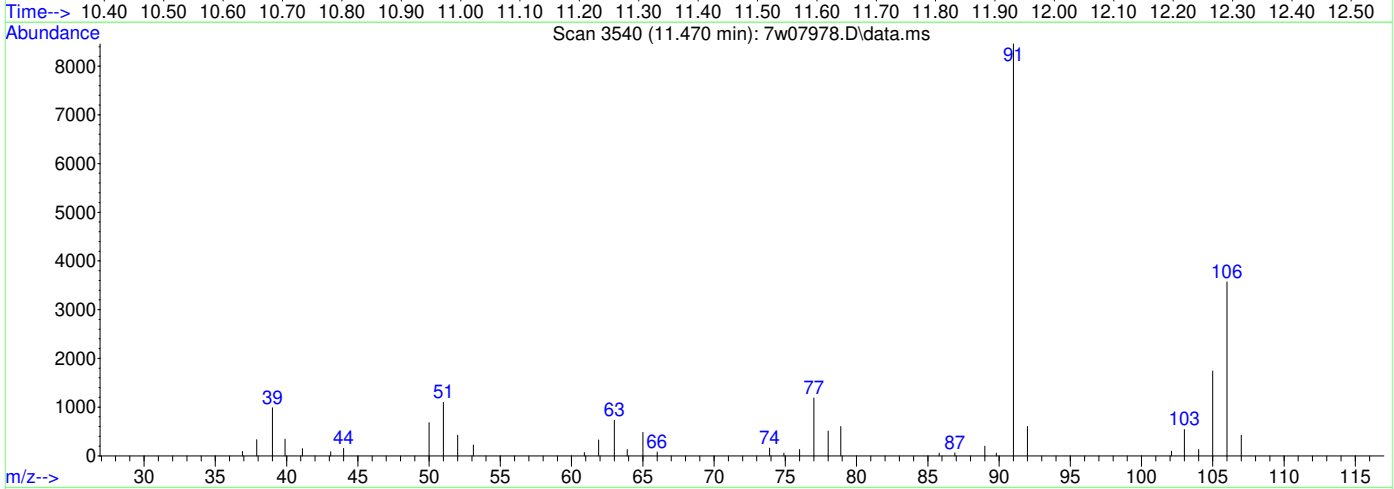
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| m,p-Xylene | | | 11.51 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.470min (-0.035) 0.56PPBV

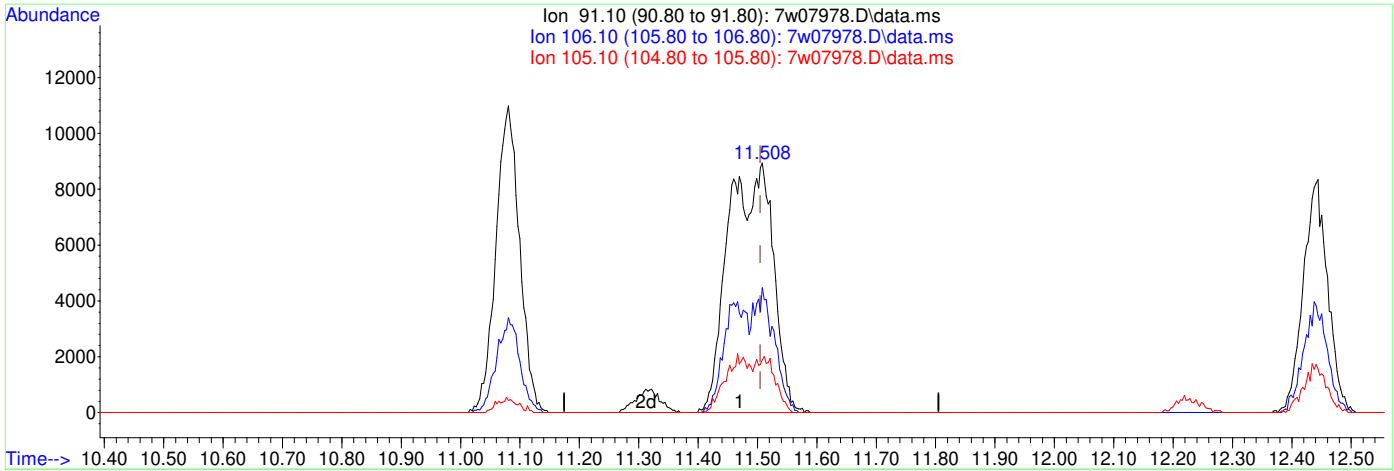
response 25047

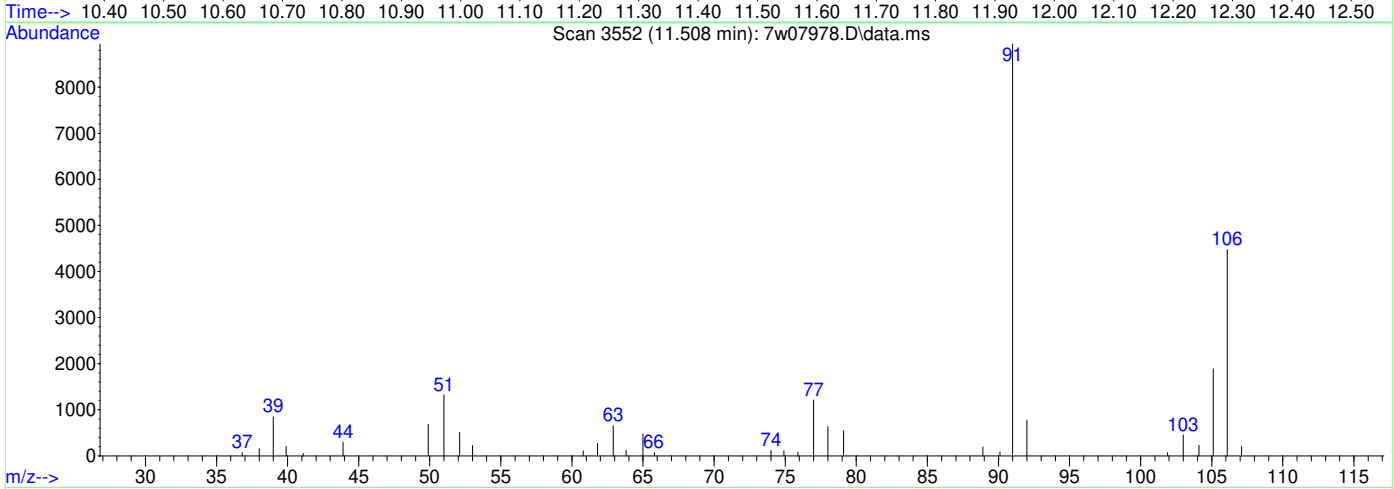
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 46.05 |
| 105.10 | 11.30 | 22.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07978.D
Acq On : 18 Aug 2024 11:22 pm
Operator : benk
Sample : ic305-0.50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:48:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:48:01 2024
Response via : Initial Calibration




TIC: 7w07978.D\data.ms

(80) M,P-XYLENE (t)

11.508min (+0.003) 1.05PPBV m

response 46842

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 106.10 | 24.00 | 24.63 |
| 105.10 | 11.30 | 12.07 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 81466 | 10.00 | PPBV | # | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 410025 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 361102 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 81464 | 10.00 | PPBV | # | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 265954 | 9.38 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 27379 | 2.27 | PPBV | | 97 |
| 3) FREON 152A | 1.647 | 65 | 29000 | 4.67 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.659 | 67 | 13506 | 5.10 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 64600 | 5.12 | PPBV | | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 169247 | 4.50 | PPBV | | 98 |
| 7) PROPYLENE | 1.669 | 41 | 38377 | 4.63 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 140419 | 4.23 | PPBV | | 96 |
| 9) FREON 114 | 1.762 | 85 | 149365 | 4.52 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.733 | 52 | 19771 | 3.76 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 65999 | 4.14 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 54080 | 3.99 | PPBV | | 98 |
| 13) N-BUTANE | 1.849 | 43 | 100820 | 3.83 | PPBV | | 98 |
| 14) BROMOMETHANE | 1.910 | 94 | 51811 | 4.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.958 | 64 | 34723 | 4.05 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.984 | 67 | 132874 | 4.38 | PPBV | | 98 |
| 17) ACETONITRILE | 2.055 | 41 | 57811 | 3.60 | PPBV | | 100 |
| 18) ACROLEIN | 2.094 | 56 | 31088 | 3.87 | PPBV | | 99 |
| 19) FREON 123 | 2.106 | 83 | 133098 | 3.98 | PPBV | | 99 |
| 20) FREON 123A | 2.122 | 117 | 80453 | 4.36 | PPBV | | 93 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 152287 | 4.27 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 129156 | 3.14 | PPBV | | 99 |
| 23) ACETONE | 2.135 | 58 | 35696 | 3.28 | PPBV | | 100 |
| 24) PENTANE | 2.303 | 42 | 71675 | 3.46 | PPBV | | 97 |
| 25) IODOMETHANE | 2.364 | 142 | 138967 | 4.41 | PPBV | | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 56736 | 4.02 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 164494 | 4.33 | PPBV | | 99 |
| 28) ETHANOL | 1.994 | 45 | 36651 | 3.31 | PPBV | | 97 |
| 29) BROMOETHENE | 2.061 | 106 | 51262 | 4.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.277 | 52 | 52972 | 3.56 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 51833 | 3.97 | PPBV | | 86 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 28290 | 3.74 | PPBV | | 84 |
| 33) FREON 113 | 2.524 | 151 | 89281 | 4.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 52868 | 4.38 | PPBV | | 93 |
| 35) TERTIARY BUTYL ALCOHOL | 2.431 | 59 | 116326 | 3.23 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.868 | 73 | 136515 | 4.93 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 27131 | 5.79 | PPBV | | 90 |
| 38) HEXANE | 3.319 | 57 | 108490 | 4.76 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 11696 | 4.81 | PPBV | | 88 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 102265 | 4.89 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.000 | 72 | 28364 | 5.37 | PPBV | | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 57628 | 5.43 | PPBV | | 95 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 30846 | 4.96 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.331 | 61 | 21833 | 5.20 | PPBV | | 90 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 128213 | 4.81 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.341 | 83 | 118312 | 5.38 | PPBV | | 97 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 123753 | 5.06 | PPBV | | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 103061 | 4.93 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 104096 | 5.26 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 90936 | 5.26 | PPBV | | 99 |
| 51) | BENZENE | 4.225 | 78 | 171826 | 5.13 | PPBV | | 96 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 75178 | 5.37 | PPBV | | 93 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 39970 | 5.61 | PPBV | | 86 |
| 55) | TRICHLOROETHENE | 5.119 | 95 | 78664 | 5.28 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 70308 | 4.98 | PPBV | | 97 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 65118 | 4.79 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 152697 | 5.12 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 124366 | 5.39 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 349151 | 5.05 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.164 | 88 | 45840 | 4.97 | PPBV | # | 83 |
| 62) | HEPTANE | 5.534 | 43 | 121341 | 4.96 | PPBV | | 97 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 65132 | 5.30 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.183 | 58 | 74156 | 4.92 | PPBV | | 95 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 91819 | 4.90 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 218857 | 5.36 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 110082 | 5.46 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 66745 | 4.27 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 62252 | 5.39 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.855 | 58 | 112276 | 4.02 | PPBV | | 97 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 105592 | 5.14 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 77784 | 4.95 | PPBV | | 96 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 118229 | 5.98 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 111886 | 5.67 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 173169 | 5.12 | PPBV | | 96 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 78566 | 5.10 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.196 | 112 | 183185 | 5.81 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 299317 | 4.99 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.505 | 91 | 464302 | 10.48 | PPBV | | 99 |
| 81) | O-XYLENE | 12.437 | 91 | 236267 | 5.90 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 177117 | 6.24 | PPBV | | 99 |
| 83) | NONANE | 13.563 | 43 | 187166 | 5.08 | PPBV | | 97 |
| 84) | BROMOFORM | 11.315 | 173 | 101100 | 5.63 | PPBV | | 97 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 172204 | 5.90 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 133990 | 6.07 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 89542 | 5.64 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.823 | 77 | 164898 | 5.71 | PPBV | | 96 |
| 90) | 2-CHLOROTOLUENE | 14.952 | 126 | 80136 | 5.58 | PPBV | | 100 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 93644 | 5.99 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 338018 | 5.58 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 282963 | 5.41 | PPBV | | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 143668 | 5.58 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 67157 | 4.95 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 296095 | 5.30 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 79381m | 3.20 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 187655 | 5.45 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 191562 | 5.55 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 181198 | 5.52 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 84088 | 5.29 | PPBV | | 93 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 287527 | 5.46 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 92888 | 5.44 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 93747 | 5.91 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 82010 | 4.77 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 132649 | 5.96 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 178283 | 11.97 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.398 | 128 | 477399 | 16.43 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 356727 | 3.90 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration

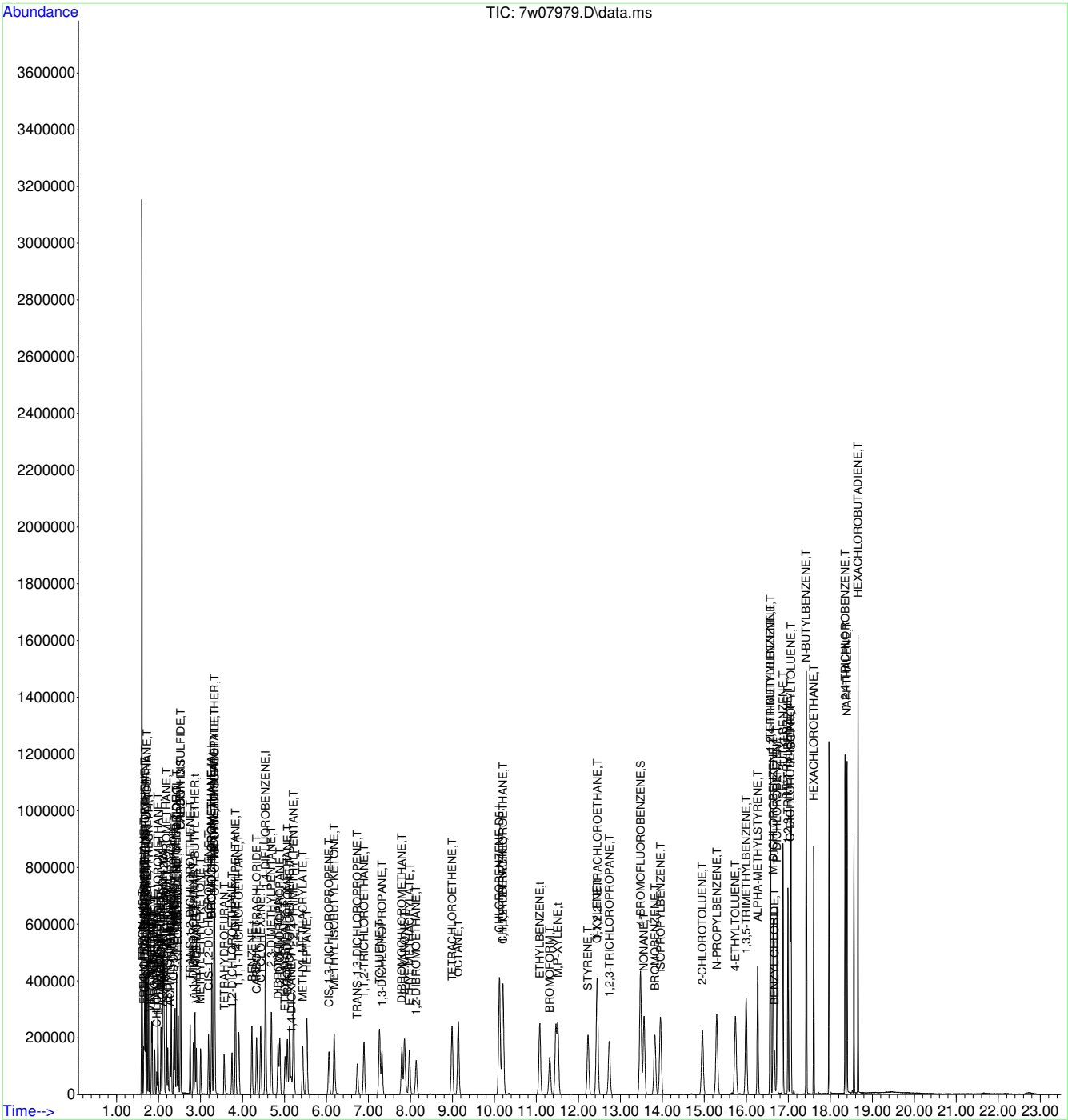
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 04:18:27 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



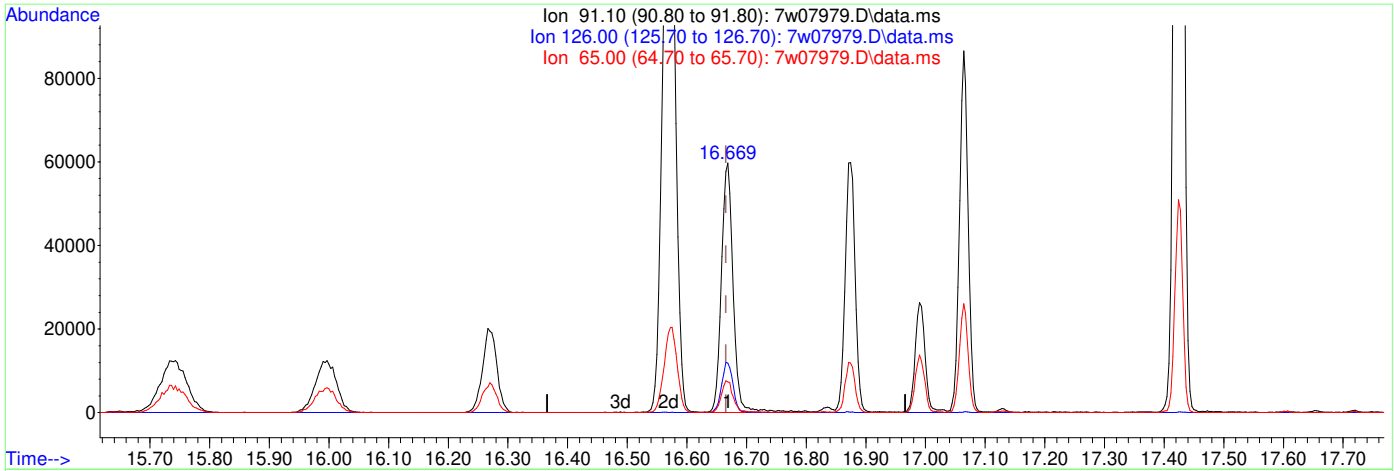
| | | | |
|---|---|---|---|
| **Sample Number:** | V7W305-IC305 | **Method:** | TO-15 |
| **Lab FileID:** | 7W07979.D | **Analyst approved:** | 08/19/24 09:06 Benjamin Kim |
| **Injection Time:** | 08/19/24 00:01 | **Supervisor approved:** | 08/19/24 10:53 Kanya Veerawat |

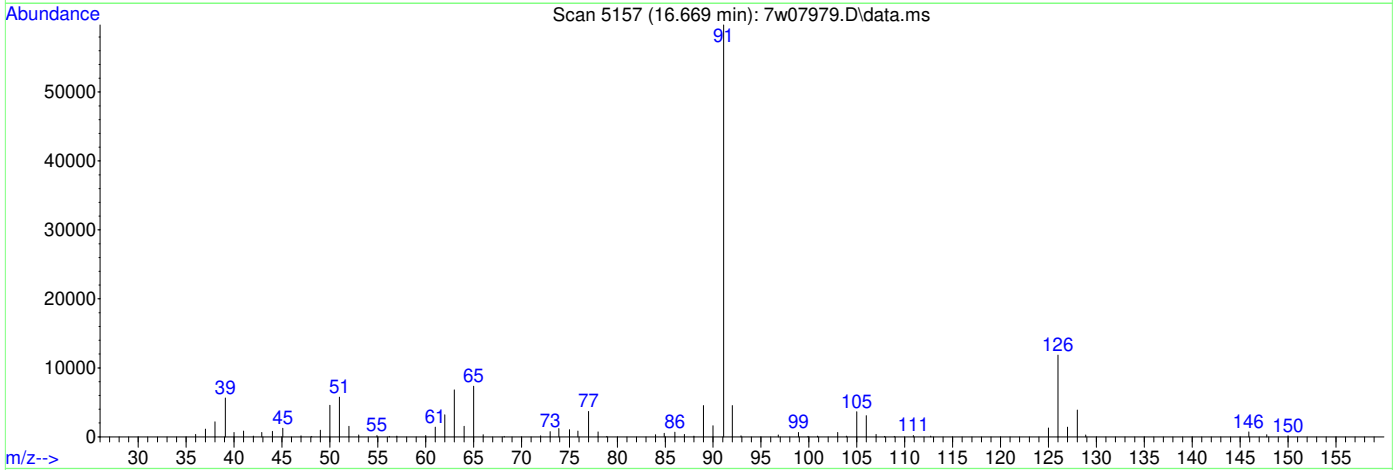
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.29PPBV

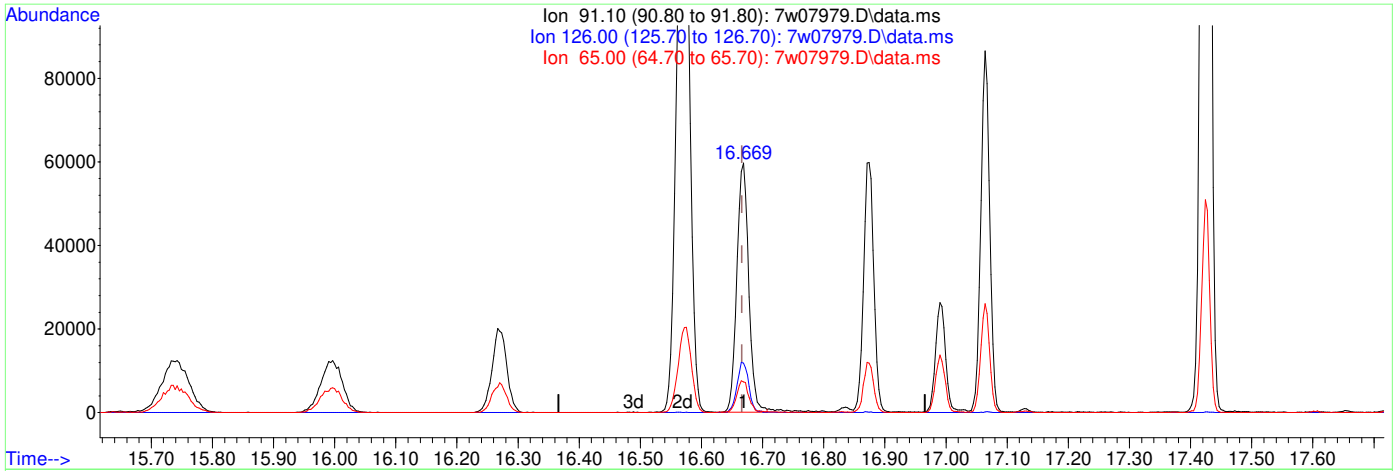
response 81628

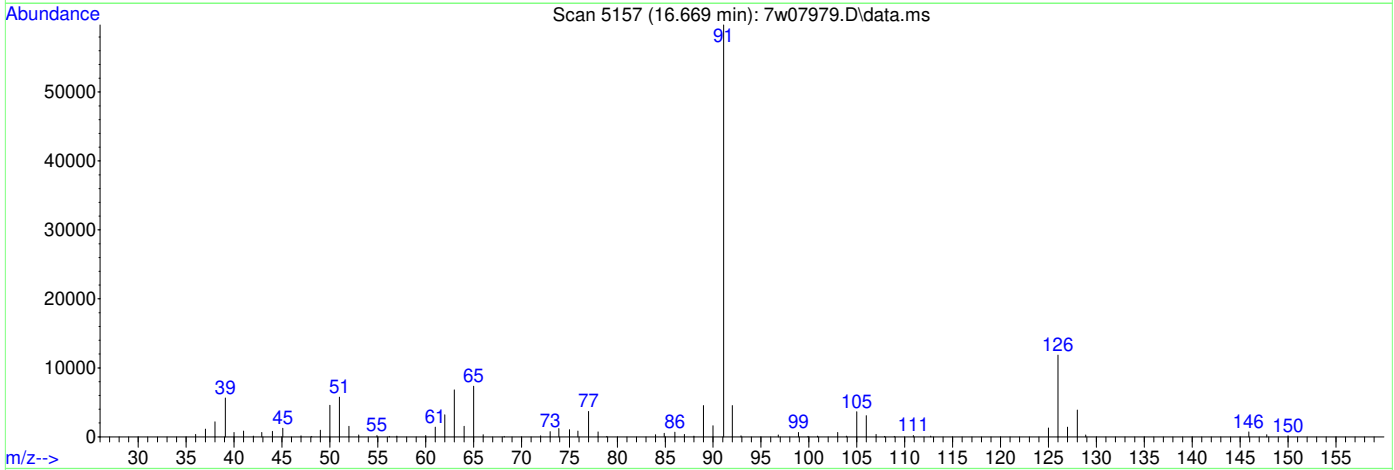
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 19.59 |
| 65.00 | 13.00 | 13.49 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07979.D
Acq On : 19 Aug 2024 12:01 am
Operator : benk
Sample : ic305-5
Misc : MS74014,v7w305,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 19 00:45:51 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Jul 22 10:39:47 2024
Response via : Initial Calibration




TIC: 7w07979.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.003) 3.20PPBV m

response 79381

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.10 | 20.14 |
| 65.00 | 13.00 | 13.87 |
| 0.00 | 0.00 | 0.00 |



7W07979.D edits: BENZYL CHLORIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 08/19/24 12:13

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 388370 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.119 | 117 | 349697 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76492 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 254020 | 9.80 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 116757 | 11.94 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 56656 | 10.57 | PPBV | | 97 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 27361 | 10.93 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 128761 | 10.75 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 335263 | 10.56 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 75194 | 10.04 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 279768 | 10.38 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 296122 | 10.76 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38843 | 9.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 127043 | 9.96 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 107031 | 9.85 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 198675 | 10.27 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 101510 | 10.31 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 66775 | 10.09 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 261438 | 10.74 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 110740 | 8.07 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 61192 | 10.52 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 262246 | 9.89 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 158704 | 10.72 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 302114 | 10.62 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.213 | 45 | 263534 | 8.69 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 66233 | 6.38 | PPBV | | 97 |
| 24) PENTANE | 2.303 | 42 | 137367 | 8.83 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 273231 | 10.68 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 111237 | 9.93 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 326093 | 10.12 | PPBV | | 99 |
| 28) ETHANOL | 1.991 | 45 | 67325 | 6.93 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 102347 | 10.02 | PPBV | | 100 |
| 30) ACRYLONITRILE | 2.274 | 52 | 98220 | 8.85 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 101961 | 8.72 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56199 | 10.18 | PPBV | | 97 |
| 33) FREON 113 | 2.525 | 151 | 175840 | 10.42 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 105154 | 9.70 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 256208 | 9.59 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273836 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.557 | 72 | 53518 | 11.75 | PPBV | | 98 |
| 38) HEXANE | 3.319 | 57 | 216582 | 10.11 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.898 | 86 | 24166 | 11.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 200586 | 10.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 55843 | 11.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 113715 | 11.11 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 61463 | 10.90 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.332 | 61 | 43829 | 10.65 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.316 | 55 | 258959 | 10.92 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 237561 | 11.15 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 244103 | 11.02 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.914 | 97 | 211578 | 10.86 | PPBV | | 98 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 214927 | 11.14 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.750 | 62 | 178327 | 11.01 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 336400 | 10.79 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 147216 | 10.89 | PPBV | | 98 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 78137 | 11.46 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 154777 | 10.77 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 141313 | 10.87 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.846 | 174 | 127868 | 10.56 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 310645 | 10.93 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 251956 | 11.60 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 676160 | 10.55 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 83819 | 11.15 | PPBV | # | 96 |
| 62) | HEPTANE | 5.534 | 43 | 238681 | 10.47 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 129938 | 10.97 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 138927 | 9.69 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 192427 | 11.23 | PPBV | | 99 |
| 66) | TOLUENE | 7.264 | 91 | 436862 | 11.04 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 219919 | 11.36 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 146931 | 10.87 | PPBV | | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 123244 | 11.28 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.852 | 58 | 202098 | 9.26 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.974 | 69 | 213857 | 11.04 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 152491 | 10.19 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.798 | 129 | 244347 | 12.50 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 227562 | 11.69 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 342794 | 10.17 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.206 | 131 | 167229 | 11.49 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 365525 | 11.34 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.084 | 91 | 596122 | 10.36 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.511 | 91 | 932252 | 26.23 | PPBV | | 98 |
| 81) | O-XYLENE | 12.441 | 91 | 476187 | 11.13 | PPBV | | 95 |
| 82) | STYRENE | 12.228 | 104 | 355912 | 11.49 | PPBV | | 99 |
| 83) | NONANE | 13.566 | 43 | 372829 | 10.90 | PPBV | | 100 |
| 84) | BROMOFORM | 11.318 | 173 | 218043 | 12.08 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 345869 | 11.55 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 269044 | 11.72 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 177926 | 10.94 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.823 | 77 | 331670 | 11.30 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 160785 | 10.94 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.296 | 120 | 187111 | 11.29 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.743 | 105 | 683113 | 11.85 | PPBV | | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 568889 | 10.83 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 292834 | 10.97 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 135050 | 10.31 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 603037 | 10.60 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 206043m | 8.98 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 381391 | 10.72 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 385546 | 10.57 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 365233 | 10.52 | PPBV | | 100 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 172736 | 10.87 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 581741 | 10.62 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 190250 | 10.87 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 192133 | 11.39 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 188986 | 11.90 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.656 | 225 | 270689 | 11.05 | PPBV | | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 362323 | 13.11 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.395 | 128 | 919027 | 12.96 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 685461 | 8.17 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration

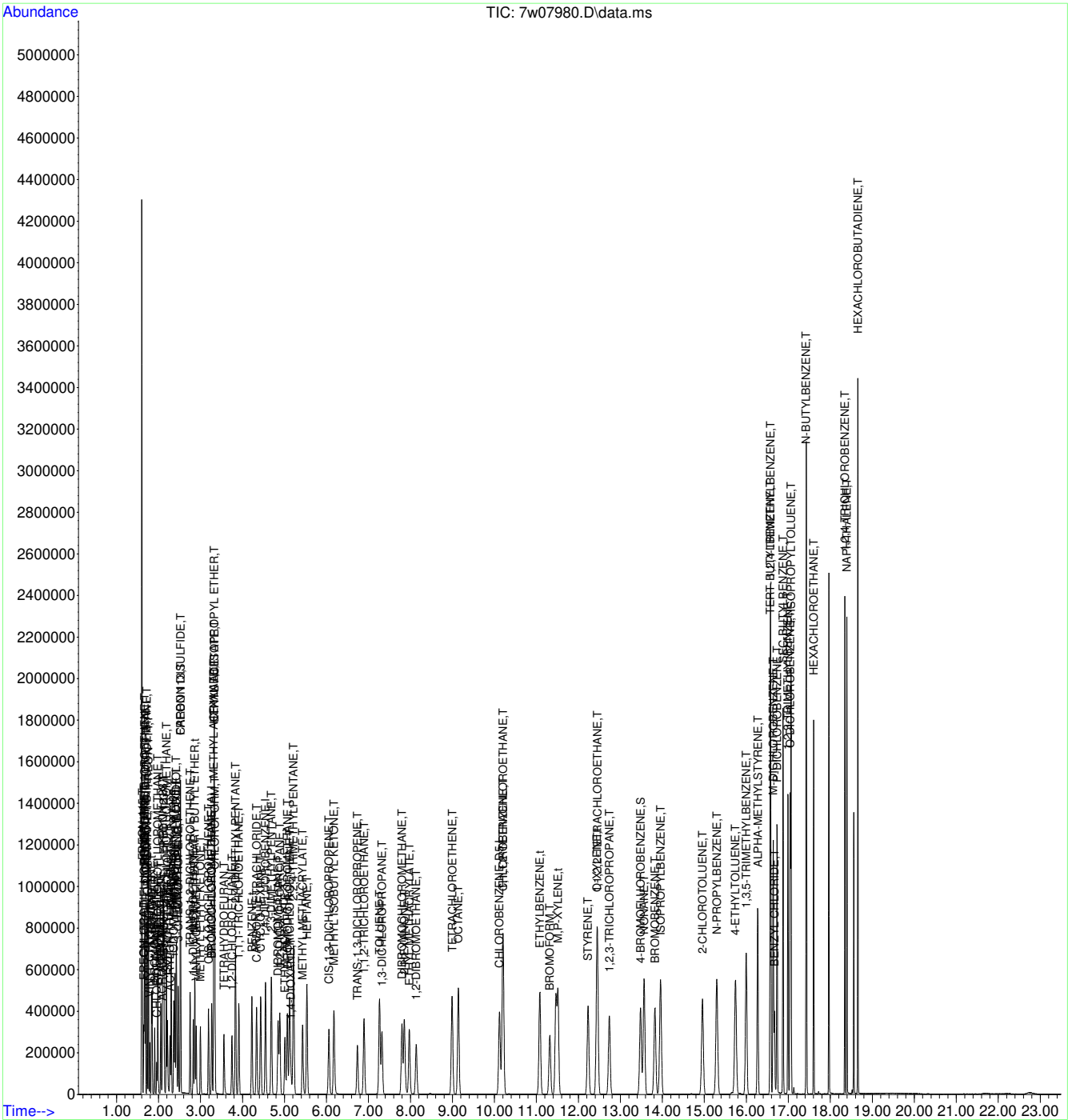
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:19:31 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



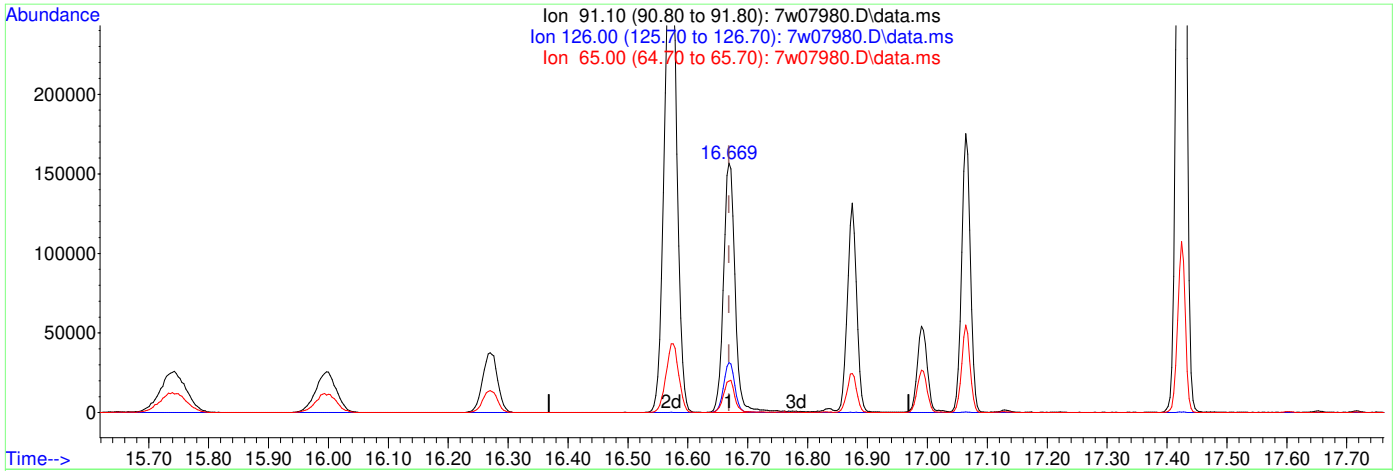
**Sample Number:** V7W305-ICC305 **Method:** TO-15
**Lab FileID:** 7W07980.D **Analyst approved:** 08/19/24 12:13 Kanya Veerawat
**Injection Time:** 08/19/24 00:35 **Supervisor approved:** 08/19/24 12:13 Kanya Veerawat

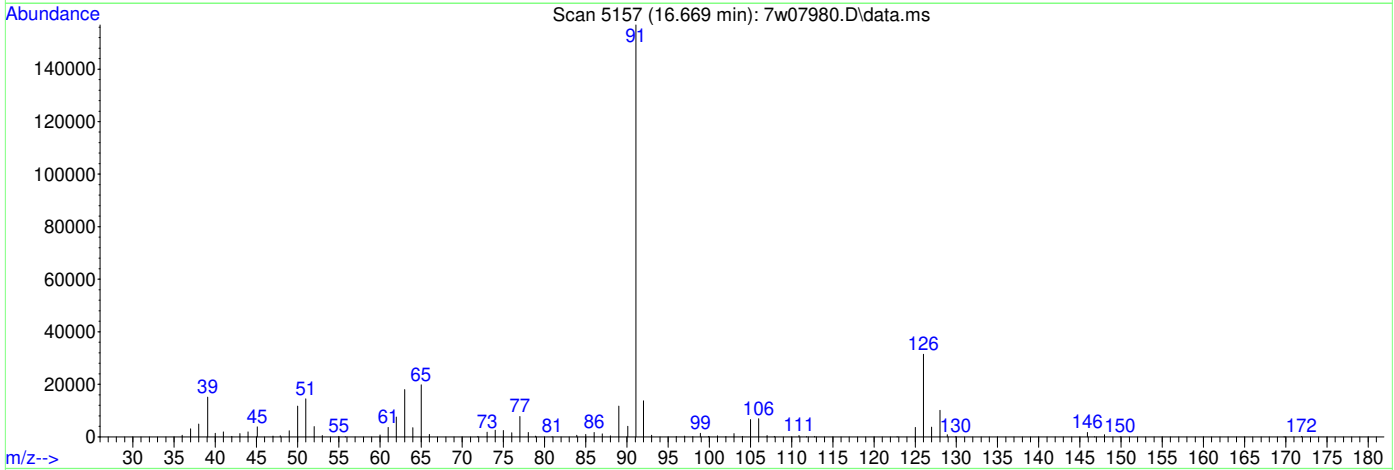
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 9.14PPBV

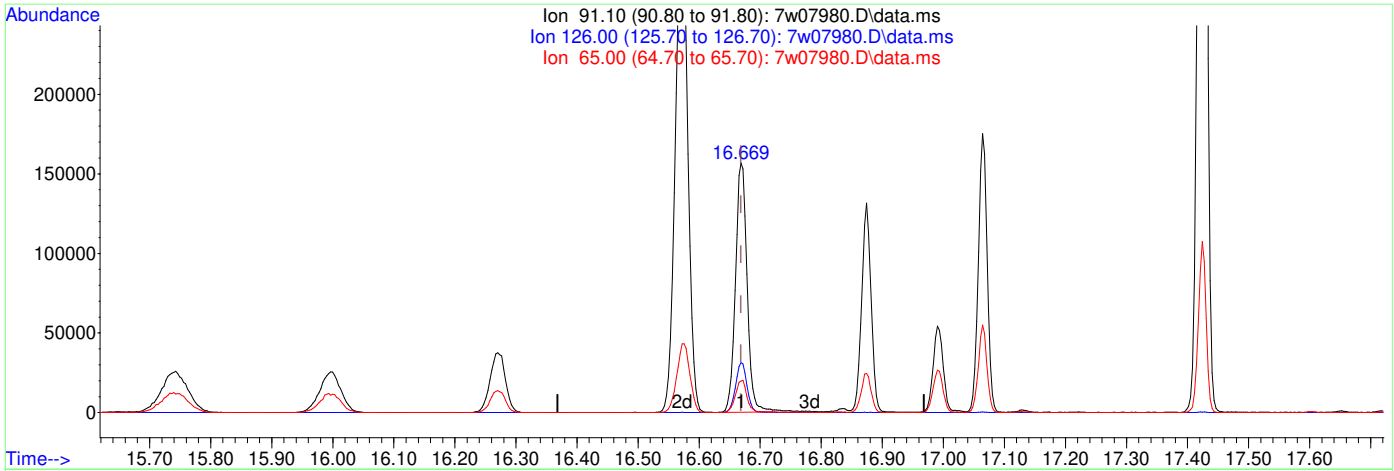
response 209652

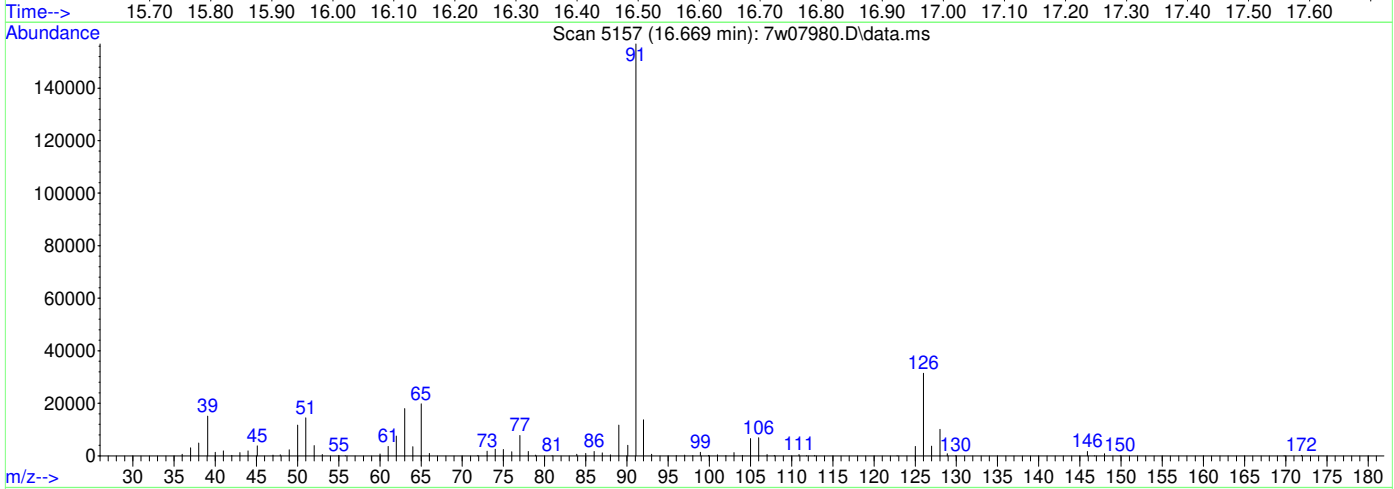
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.52 |
| 65.00 | 13.50 | 13.08 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07980.D
Acq On : 19 Aug 2024 12:35 am
Operator : benk
Sample : icc305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:10:46 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 00:49:59 2024
Response via : Initial Calibration




TIC: 7w07980.D\data.ms

(97) BENZYL CHLORIDE (T)

16.669min (+0.000) 8.98PPBV m

response 206043

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.87 |
| 65.00 | 13.50 | 13.30 |
| 0.00 | 0.00 | 0.00 |

7W07981.D

Manual Integrations APPROVED (compounds with "m" flag)

Kanya Veerawat 08/19/24 10:53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 399337 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 358279 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 78951 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 266903 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 223150 | 21.59 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 113696 | 20.51 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 54585 | 20.96 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 260366 | 20.90 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.688 | 85 | 680605 | 20.91 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 152928 | 19.87 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 568833 | 20.81 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 605062 | 21.62 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 78040 | 18.64 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 255415 | 19.85 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 213526 | 19.54 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 396119 | 20.43 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 203898 | 20.45 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.955 | 64 | 134751 | 20.22 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 524283 | 21.39 | PPBV | | 100 |
| 17) ACETONITRILE | 2.052 | 41 | 223496 | 16.36 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 122465 | 21.34 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 531281 | 19.97 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 323136 | 21.67 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 609713 | 21.19 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.209 | 45 | 505798 | 16.79 | PPBV | | 99 |
| 23) ACETONE | 2.129 | 58 | 132986 | 12.82 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 275517 | 17.87 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 554198 | 21.34 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 224620 | 19.91 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 672044 | 20.83 | PPBV | | 98 |
| 28) ETHANOL | 1.987 | 45 | 128753 | 12.10 | PPBV | | 97 |
| 29) BROMOETHENE | 2.058 | 106 | 208300 | 20.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 196181 | 17.77 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 204874 | 17.29 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 113419 | 20.29 | PPBV | | 94 |
| 33) FREON 113 | 2.524 | 151 | 360148 | 21.14 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 212265 | 18.95 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.412 | 59 | 502012 | 18.93 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 565864 | 21.86 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.553 | 72 | 108661 | 22.89 | PPBV | | 99 |
| 38) HEXANE | 3.319 | 57 | 447138 | 20.24 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 53174 | 25.07 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 406429 | 20.70 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 113742 | 22.35 | PPBV | | 98 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 229111 | 21.47 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 128654 | 22.05 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.328 | 61 | 90518 | 21.25 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 541298 | 22.09 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 481874 | 21.68 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 493893 | 21.63 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.913 | 97 | 446392 | 22.10 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 457450 | 22.82 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 359999 | 21.41 | PPBV | | 100 |
| 51) | BENZENE | 4.225 | 78 | 686901 | 21.16 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 301083 | 21.52 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 159069 | 22.48 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 315589 | 21.12 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 281821 | 20.99 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 258319 | 20.58 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 648686 | 22.22 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.071 | 83 | 520746 | 22.92 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 1363236 | 20.68 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.142 | 88 | 159662 | 20.39 | PPBV | # | 93 |
| 62) | HEPTANE | 5.534 | 43 | 490987 | 20.96 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 269942 | 22.03 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 278412 | 18.84 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 416046 | 23.40 | PPBV | | 98 |
| 66) | TOLUENE | 7.267 | 91 | 894765 | 21.73 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 454192 | 22.55 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.736 | 75 | 339286 | 24.33 | PPBV | | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 252481 | 22.25 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 409335 | 18.16 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 456862 | 22.78 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 312906 | 20.27 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 522506 | 25.25 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 469334 | 23.12 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 701989 | 20.21 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.215 | 131 | 358362 | 23.86 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.203 | 112 | 755223 | 22.52 | PPBV | | 100 |
| 79) | ETHYLBENZENE | 11.087 | 91 | 1235495 | 20.71 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.514 | 91 | 1915233 | 51.64 | PPBV | | 98 |
| 81) | O-XYLENE | 12.447 | 91 | 990163 | 22.27 | PPBV | | 97 |
| 82) | STYRENE | 12.235 | 104 | 744264 | 23.04 | PPBV | | 100 |
| 83) | NONANE | 13.569 | 43 | 767362 | 21.75 | PPBV | | 100 |
| 84) | BROMOFORM | 11.322 | 173 | 476337 | 25.55 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.460 | 83 | 719296 | 23.01 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.739 | 75 | 552619 | 23.08 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.961 | 120 | 370195 | 21.85 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.829 | 77 | 689619 | 22.52 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.961 | 126 | 332076 | 21.66 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 388667 | 22.47 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.746 | 105 | 1411045 | 23.43 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 1186430 | 21.61 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.273 | 118 | 616609 | 22.44 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.572 | 134 | 285876 | 21.66 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.582 | 105 | 1283114 | 22.29 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.672 | 91 | 586437m | 33.00 | PPBV | | |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 806410 | 22.21 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 813706 | 21.78 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.048 | 146 | 781278 | 21.49 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 363104 | 21.90 | PPBV | | 98 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 1240077 | 21.66 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 399174 | 21.83 | PPBV | | 100 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 407447 | 22.96 | PPBV | | 98 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 446077 | 27.20 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 601439 | 23.20 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 799662 | 26.27 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 2024654 | 23.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 1370798 | 16.29 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration

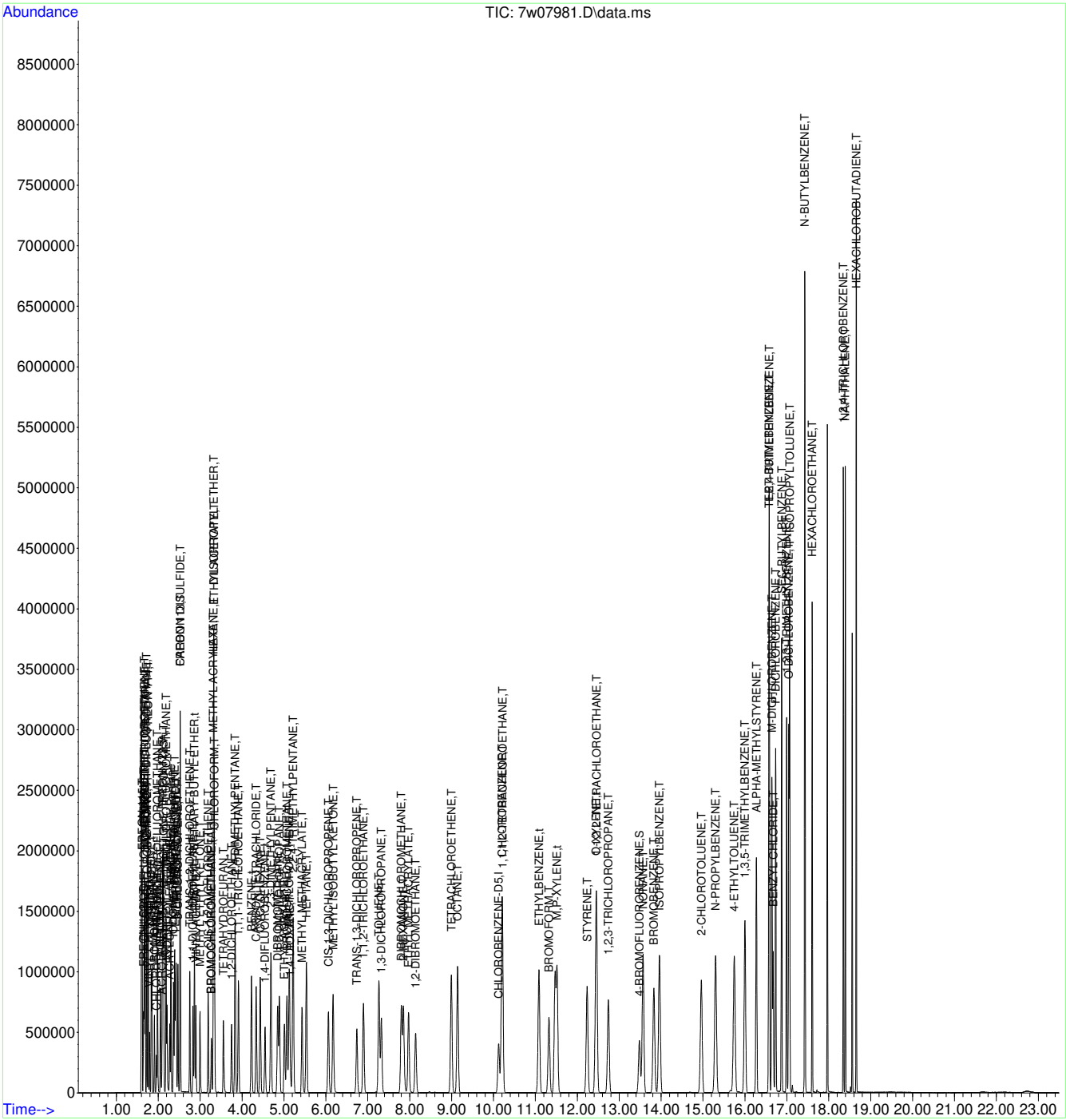
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 04:20:49 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



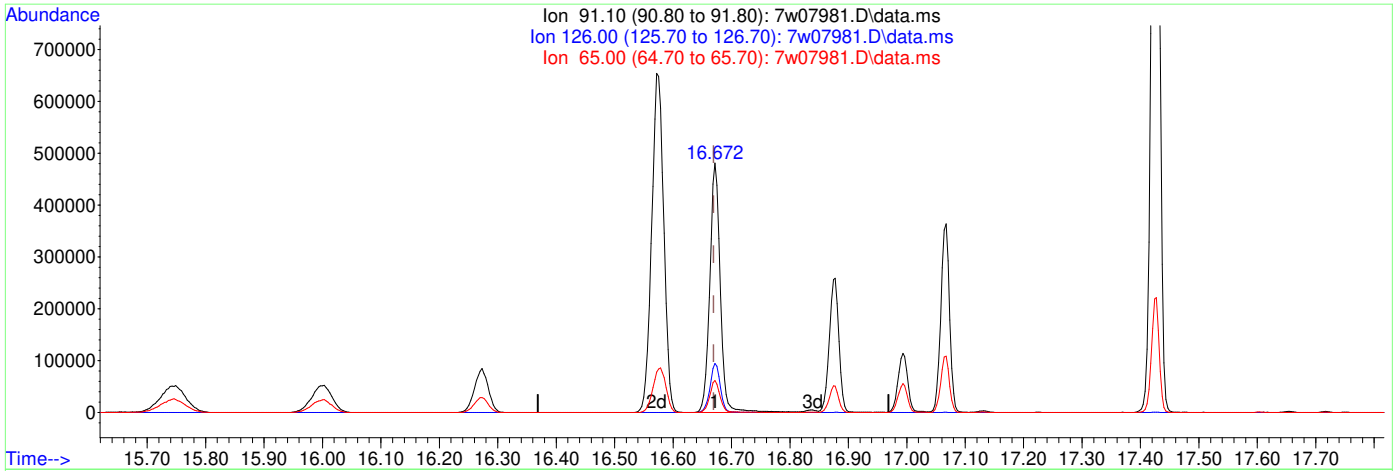
**Sample Number:** V7W305-IC305 **Method:** TO-15
**Lab FileID:** 7W07981.D **Analyst approved:** 08/19/24 09:06 Benjamin Kim
**Injection Time:** 08/19/24 01:10 **Supervisor approved:** 08/19/24 10:53 Kanya Veerawat

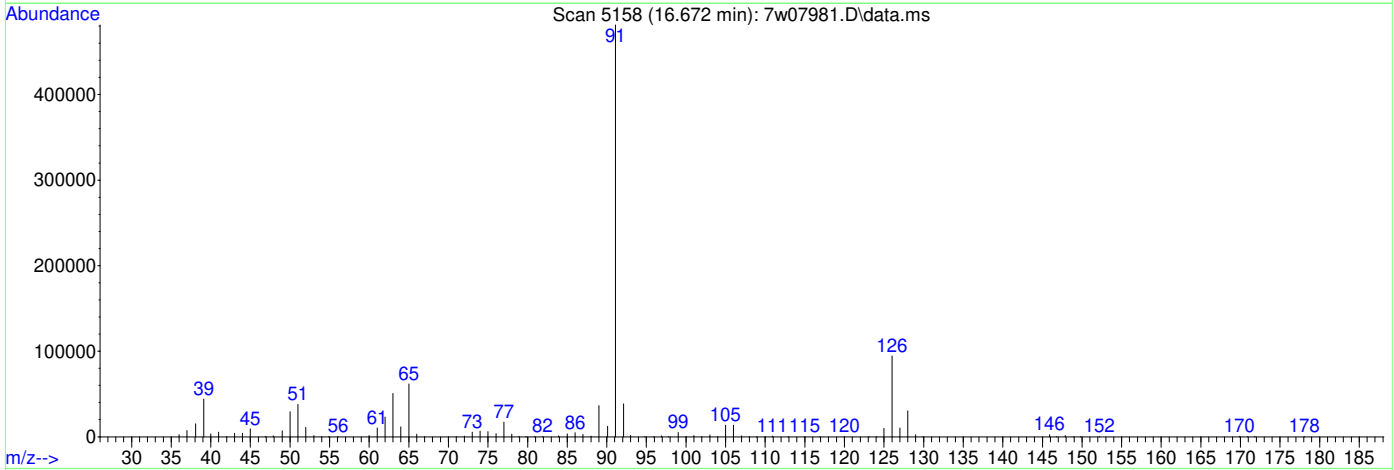
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Benzyl Chloride | 100-44-7 | | 16.67 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.69PPBV

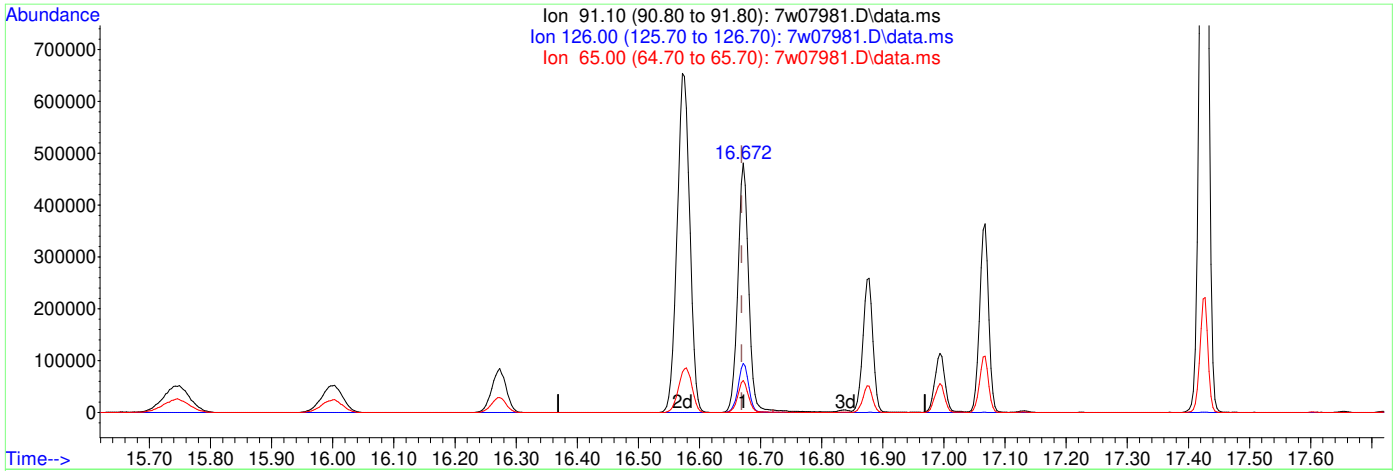
response 598744

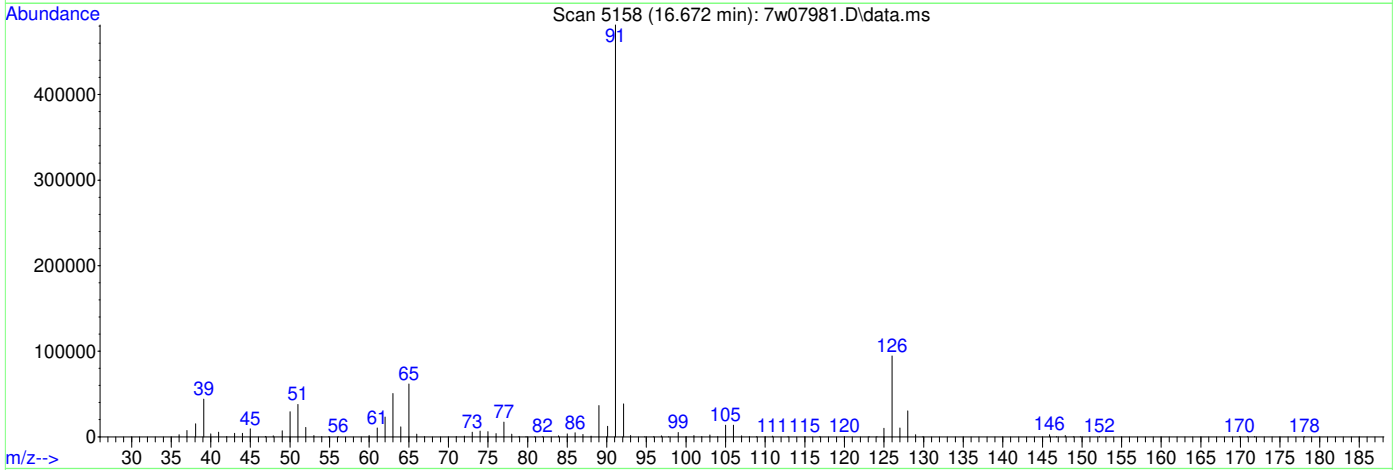
| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.41 |
| 65.00 | 13.50 | 12.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w07981.D
Acq On : 19 Aug 2024 1:10 am
Operator : benk
Sample : ic305-20
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:55:52 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 01:13:02 2024
Response via : Initial Calibration




TIC: 7w07981.D\data.ms

(97) BENZYL CHLORIDE (T)

16.672min (+0.003) 33.00PPBV m

response 586437

| Ion | Exp% | Act% |
|---|---|---|
| 91.10 | 100 | 100 |
| 126.00 | 19.60 | 19.82 |
| 65.00 | 13.50 | 13.18 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 77284 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 380992 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.129 | 117 | 341287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 77286 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 254399 | 10.16 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 479498 | 49.08 | PPBV | | 98 |
| 3) FREON 152A | 1.647 | 65 | 225277 | 41.32 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 107855 | 41.41 | PPBV | | 96 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 531168 | 42.36 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 1365507 | 42.82 | PPBV | | 99 |
| 7) PROPYLENE | 1.669 | 41 | 307501 | 41.15 | PPBV | | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1126152 | 42.58 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1216958 | 44.90 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 155210 | 39.41 | PPBV | | 100 |
| 11) VINYL CHLORIDE | 1.792 | 62 | 503905 | 41.23 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 423360 | 41.02 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 784812 | 43.23 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 405186 | 41.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.956 | 64 | 265590 | 41.21 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1054144 | 44.46 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 444566 | 35.18 | PPBV | | 100 |
| 18) ACROLEIN | 2.091 | 56 | 244650 | 46.58 | PPBV | | 99 |
| 19) FREON 123 | 2.103 | 83 | 1072484 | 42.46 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 648266 | 45.20 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1217843 | 43.41 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 986924 | 35.57 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 267712 | 27.52 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 541283 | 39.96 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 1107350 | 45.77 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 444048 | 42.54 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1380820 | 45.82 | PPBV | | 97 |
| 28) ETHANOL | 1.988 | 45 | 246600 | 22.56 | PPBV | | 98 |
| 29) BROMOETHENE | 2.058 | 106 | 411694 | 41.15 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 386593 | 39.48 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 403498 | 36.21 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 229000 | 43.65 | PPBV | | 92 |
| 33) FREON 113 | 2.525 | 151 | 717158 | 44.48 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 418606 | 39.92 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 988301 | 41.72 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1162668 | 45.46 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 216092 | 45.61 | PPBV | | 99 |
| 38) HEXANE | 3.322 | 57 | 909825 | 43.13 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 112738 | 52.89 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 811814 | 42.39 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 229599 | 45.08 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 461447 | 43.14 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 260000 | 46.49 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.332 | 61 | 186268 | 45.35 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1119785 | 47.57 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.345 | 83 | 964123 | 43.74 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1011033 | 45.64 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 934248 | 46.56 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 968917 | 48.27 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 733596 | 44.30 | PPBV | | 100 |
| 51) | BENZENE | 4.226 | 78 | 1385476 | 42.73 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 603407 | 44.01 | PPBV | | 100 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 320742 | 46.54 | PPBV | | 100 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 641066 | 43.93 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.891 | 63 | 574606 | 44.69 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.853 | 174 | 521107 | 42.96 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1339537 | 48.52 | PPBV | | 100 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1065741 | 47.59 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 2752474 | 44.22 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 316234 | 41.72 | PPBV | # | 91 |
| 62) | HEPTANE | 5.537 | 43 | 994256 | 45.09 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 556132 | 46.84 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 558762 | 39.99 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 875361 | 50.16 | PPBV | | 98 |
| 66) | TOLUENE | 7.270 | 91 | 1807715 | 45.02 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.328 | 76 | 913247 | 46.29 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 743619 | 53.83 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 505262 | 45.59 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.846 | 58 | 793923 | 38.66 | PPBV | | 99 |
| 71) | ETHYL METHACRYLATE | 7.975 | 69 | 944521 | 49.01 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.997 | 164 | 632328 | 43.26 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1085341 | 51.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.148 | 107 | 957340 | 48.14 | PPBV | | 99 |
| 75) | OCTANE | 9.148 | 43 | 1415805 | 43.08 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 747842 | 50.62 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.206 | 112 | 1519252 | 45.56 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 2480888 | 44.56 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.524 | 91 | 3827571 | 90.65 | PPBV | | 98 |
| 81) | O-XYLENE | 12.453 | 91 | 1995478 | 46.04 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1510779 | 47.29 | PPBV | | 100 |
| 83) | NONANE | 13.576 | 43 | 1529296 | 45.44 | PPBV | | 99 |
| 84) | BROMOFORM | 11.328 | 173 | 1015782 | 55.05 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.466 | 83 | 1454357 | 47.64 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.746 | 75 | 1111565 | 47.22 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.968 | 120 | 745304 | 45.82 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.833 | 77 | 1398331 | 46.31 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.965 | 126 | 671558 | 44.16 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 787486 | 46.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.752 | 105 | 2903289 | 49.04 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.006 | 105 | 2452735 | 46.90 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.276 | 118 | 1287592 | 49.03 | PPBV | | 100 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 595730 | 48.09 | PPBV | | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.588 | 105 | 2687686 | 49.67 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.675 | 91 | 1577661 | 77.14 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 1650345 | 48.34 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 1699131 | 47.87 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 1624812 | 47.84 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.878 | 134 | 741809 | 48.93 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.997 | 105 | 2571874 | 48.72 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.067 | 134 | 821843 | 48.57 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 861362 | 51.77 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1016583 | 64.36 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 1336000 | 52.86 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.350 | 180 | 1756356 | 53.82 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.399 | 128 | 4403551 | 50.52 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 2678485 | 35.13 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration

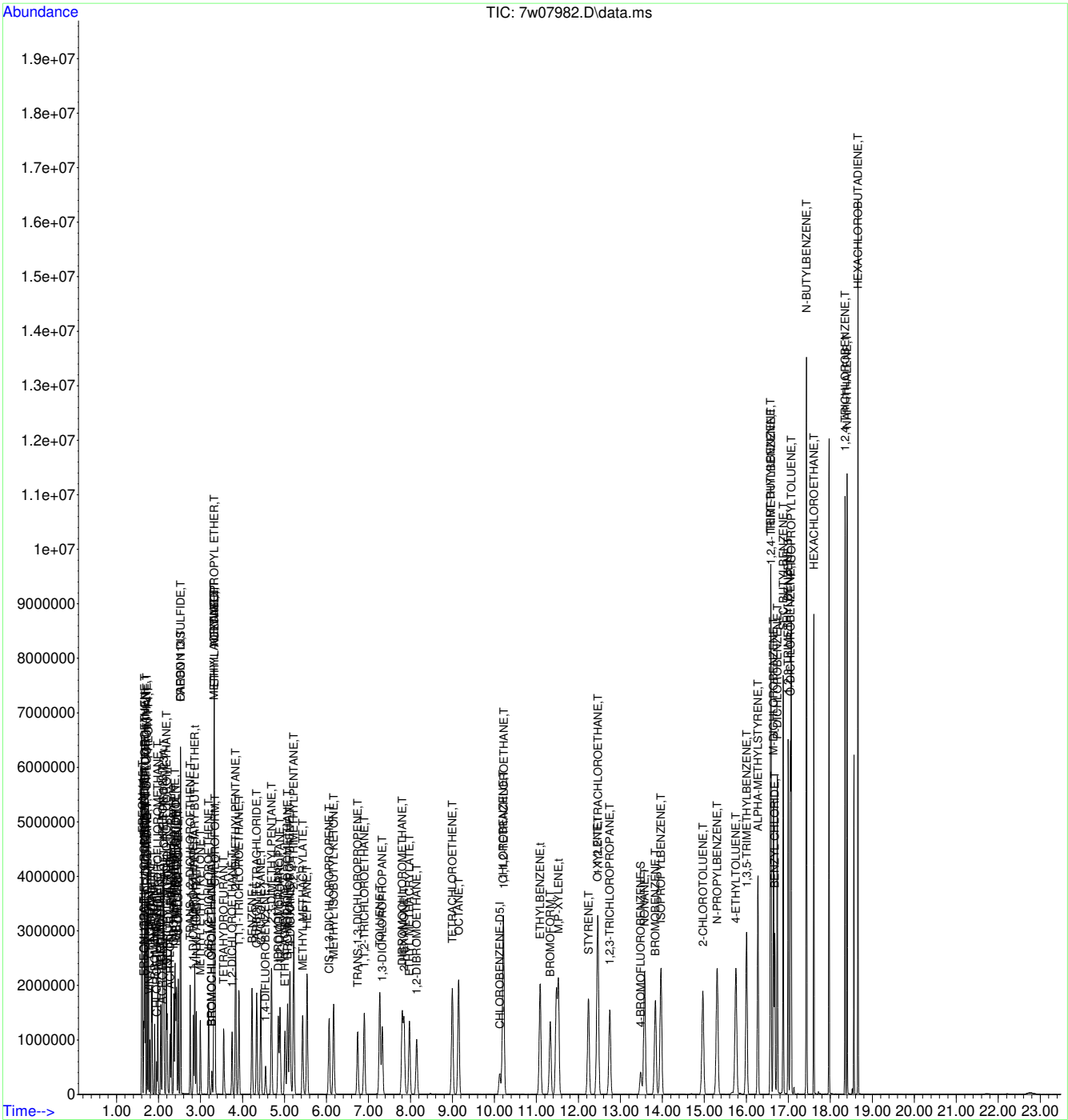
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07982.D
Acq On : 19 Aug 2024 1:48 am
Operator : benk
Sample : ic305-40
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:03:06 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:01:24 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.270 | 128 | 78494 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.550 | 114 | 389657 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.126 | 117 | 345790 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.270 | 128 | 78466 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 262126 | 10.33 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.615 | 119 | 245619 | 24.76 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 291677 | 52.67 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 141627 | 53.53 | PPBV | | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 690638 | 54.22 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 1753161 | 54.12 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 405362 | 53.41 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 1432344 | 53.33 | PPBV | | 99 |
| 9) FREON 114 | 1.759 | 85 | 1558278 | 56.61 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 195627 | 48.91 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 635465 | 51.19 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 540324 | 51.55 | PPBV | | 98 |
| 13) N-BUTANE | 1.846 | 43 | 998179 | 54.13 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.907 | 94 | 514200 | 51.79 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 333396 | 50.94 | PPBV | | 90 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 1339188 | 55.61 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 560405 | 43.66 | PPBV | | 100 |
| 18) ACROLEIN | 2.090 | 56 | 312569 | 58.59 | PPBV | | 100 |
| 19) FREON 123 | 2.103 | 83 | 1374797 | 53.58 | PPBV | | 100 |
| 20) FREON 123A | 2.123 | 117 | 825932 | 56.70 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 1536852 | 53.94 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.206 | 45 | 1276024 | 45.28 | PPBV | | 98 |
| 23) ACETONE | 2.129 | 58 | 337983 | 34.21 | PPBV | | 99 |
| 24) PENTANE | 2.303 | 42 | 687480 | 49.97 | PPBV | | 100 |
| 25) IODOMETHANE | 2.364 | 142 | 1405240 | 57.19 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 566307 | 53.41 | PPBV | | 99 |
| 27) CARBON DISULFIDE | 2.525 | 76 | 1762887 | 57.59 | PPBV | | 96 |
| 28) ETHANOL | 1.988 | 45 | 321155 | 35.32 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 524513 | 51.62 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 490384 | 49.31 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 515055 | 45.51 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 294143 | 55.20 | PPBV | | 90 |
| 33) FREON 113 | 2.525 | 151 | 913434 | 55.78 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 535169 | 50.25 | PPBV | | 98 |
| 35) TERTIARY BUTYL ALCOHOL | 2.409 | 59 | 1298839 | 53.98 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.862 | 73 | 1507766 | 58.04 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.550 | 72 | 274817 | 57.11 | PPBV | | 98 |
| 38) HEXANE | 3.322 | 57 | 1158103 | 54.06 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.901 | 86 | 146094 | 67.49 | PPBV | | 93 |
| 40) 1,1-DICHLOROETHANE | 2.830 | 63 | 1030008 | 52.95 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 294713 | 56.98 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.193 | 96 | 589563 | 54.27 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.328 | 59 | 332704 | 58.58 | PPBV | | 98 |
| 44) ETHYL ACETATE | 3.332 | 61 | 237324 | 56.89 | PPBV | | 100 |
| 45) METHYL ACRYLATE | 3.319 | 55 | 1426991 | 59.69 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 1214394 | 54.25 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.836 | 57 | 1280289 | 56.90 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.917 | 97 | 1200423 | 58.91 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 1255040 | 61.56 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.753 | 62 | 933342 | 55.50 | PPBV | | 100 |
| 51) | BENZENE | 4.229 | 78 | 1758391 | 53.39 | PPBV | | 100 |
| 53) | CYCLOHEXANE | 4.434 | 84 | 764340 | 54.51 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 410142 | 58.19 | PPBV | | 99 |
| 55) | TRICHLOROETHENE | 5.129 | 95 | 820753 | 55.00 | PPBV | | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 728144 | 55.37 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 664737 | 53.59 | PPBV | | 100 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 1729659 | 61.26 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 1366362 | 59.66 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 3472389 | 54.54 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.135 | 88 | 411014 | 53.01 | PPBV | # | 91 |
| 62) | HEPTANE | 5.540 | 43 | 1257625 | 55.77 | PPBV | | 100 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 710742 | 58.53 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.171 | 58 | 700033 | 48.98 | PPBV | | 100 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.065 | 75 | 1127356 | 63.16 | PPBV | | 97 |
| 66) | TOLUENE | 7.270 | 91 | 2289185 | 55.74 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.331 | 76 | 1142857 | 56.64 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.743 | 75 | 969360 | 68.61 | PPBV | | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.901 | 83 | 643667 | 56.79 | PPBV | | 100 |
| 70) | 2-HEXANONE | 7.849 | 58 | 988014 | 47.05 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.978 | 69 | 1193687 | 60.56 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 9.000 | 164 | 805208 | 53.86 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.804 | 129 | 1392250 | 64.12 | PPBV | | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.151 | 107 | 1218207 | 59.90 | PPBV | | 99 |
| 75) | OCTANE | 9.151 | 43 | 1775513 | 52.82 | PPBV | | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.222 | 131 | 958162 | 64.01 | PPBV | | 98 |
| 78) | CHLOROBENZENE | 10.209 | 112 | 1916033 | 56.71 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.090 | 91 | 3150833 | 55.86 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.524 | 91 | 4833704 | 112.99 | PPBV | | 98 |
| 81) | O-XYLENE | 12.457 | 91 | 2534915 | 57.72 | PPBV | | 97 |
| 82) | STYRENE | 12.241 | 104 | 1921279 | 59.36 | PPBV | | 99 |
| 83) | NONANE | 13.579 | 43 | 1935888 | 56.77 | PPBV | | 99 |
| 84) | BROMOFORM | 11.331 | 173 | 1314897 | 70.33 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.473 | 83 | 1856029 | 60.00 | PPBV | | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.752 | 75 | 1408047 | 59.04 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.971 | 120 | 945561 | 57.37 | PPBV | | 99 |
| 89) | BROMOBENZENE | 13.836 | 77 | 1768536 | 57.81 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.968 | 126 | 853495 | 55.39 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.305 | 120 | 1005505 | 58.13 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.756 | 105 | 3707934 | 61.82 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 16.010 | 105 | 3135087 | 59.17 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.280 | 118 | 1653911 | 62.16 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.579 | 134 | 766074 | 61.04 | PPBV | | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.591 | 105 | 3471175 | 63.31 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.678 | 91 | 2221433 | 107.20 | PPBV | | 99 |
| 98) | M-DICHLOROBENZENE | 16.649 | 146 | 2136121 | 61.75 | PPBV | | 100 |
| 99) | P-DICHLOROBENZENE | 16.739 | 146 | 2201660 | 61.23 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.051 | 146 | 2121120 | 61.64 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.881 | 134 | 961231 | 62.57 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 17.000 | 105 | 3311109 | 61.90 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.071 | 134 | 1069730 | 62.40 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.431 | 134 | 1119830 | 66.42 | PPBV | | 100 |
| 105) | HEXACHLOROETHANE | 17.608 | 117 | 1352760 | 84.53 | PPBV | | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.662 | 225 | 1795989 | 70.14 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.353 | 180 | 2392266 | 72.35 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.402 | 128 | 6097099 | 69.04 | PPBV | | 99 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 3373992 | 43.59 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration

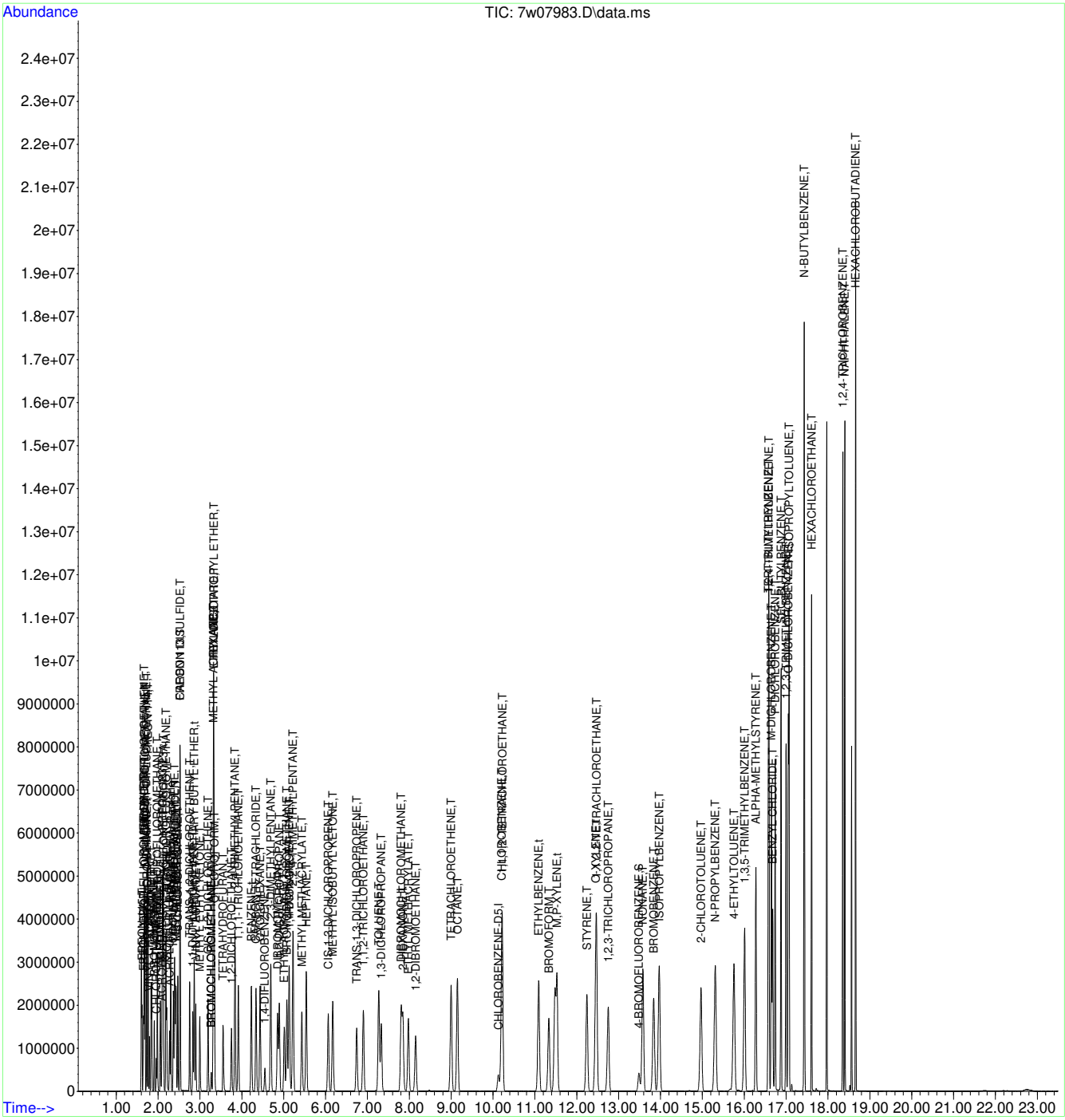
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07983.D
Acq On : 19 Aug 2024 2:28 am
Operator : benk
Sample : ic305-50
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 03:05:15 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Aug 19 03:03:31 2024
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.547 | 114 | 379483 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 340309 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.267 | 128 | 76227 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 247947 | 9.93 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.614 | 119 | 109240 | 11.17 | PPBV | | 99 |
| 3) FREON 152A | 1.647 | 65 | 53753 | 10.19 | PPBV | | 99 |
| 4) CHLORODIFLUOROMETHANE | 1.656 | 67 | 25133 | 9.88 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.669 | 116 | 122894 | 9.94 | PPBV | | 96 |
| 6) DICHLORODIFLUOROMETHANE | 1.685 | 85 | 332419 | 10.88 | PPBV | | 100 |
| 7) PROPYLENE | 1.669 | 41 | 70144 | 9.60 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.724 | 65 | 281408 | 11.00 | PPBV | | 100 |
| 9) FREON 114 | 1.759 | 85 | 300241 | 11.55 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.730 | 52 | 38535 | 9.73 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.791 | 62 | 125485 | 10.31 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.830 | 54 | 103362 | 10.44 | PPBV | | 99 |
| 13) N-BUTANE | 1.846 | 43 | 192783 | 10.67 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.907 | 94 | 101749 | 10.45 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.955 | 64 | 65638 | 10.53 | PPBV | | 92 |
| 16) DICHLOROFLUOROMETHANE | 1.981 | 67 | 265986 | 11.16 | PPBV | | 99 |
| 17) ACETONITRILE | 2.052 | 41 | 112948 | 9.54 | PPBV | | 99 |
| 18) ACROLEIN | 2.090 | 56 | 60791 | 10.23 | PPBV | | 98 |
| 19) FREON 123 | 2.103 | 83 | 252173 | 10.42 | PPBV | | 99 |
| 20) FREON 123A | 2.119 | 117 | 145517 | 10.48 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.187 | 101 | 303115 | 11.06 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.212 | 45 | 271631 | 10.52 | PPBV | | 99 |
| 23) ACETONE | 2.132 | 58 | 65635 | 9.33 | PPBV | | 98 |
| 24) PENTANE | 2.303 | 42 | 132878 | 10.13 | PPBV | | 99 |
| 25) IODOMETHANE | 2.364 | 142 | 277095 | 11.72 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.393 | 96 | 113020 | 11.08 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.524 | 76 | 349631 | 11.76 | PPBV | | 100 |
| 28) ETHANOL | 1.991 | 45 | 58992 | 8.36 | PPBV | | 99 |
| 29) BROMOETHENE | 2.058 | 106 | 103369 | 11.10 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.274 | 52 | 96396 | 10.07 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.428 | 84 | 104108 | 9.92 | PPBV | | 96 |
| 32) 3-CHLOROPROPENE | 2.470 | 76 | 56363 | 10.49 | PPBV | | 93 |
| 33) FREON 113 | 2.524 | 151 | 183367 | 11.42 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.753 | 96 | 107278 | 10.78 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.418 | 59 | 294471 | 11.88 | PPBV | | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.865 | 73 | 273981 | 10.96 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.556 | 72 | 51249 | 10.76 | PPBV | | 97 |
| 38) HEXANE | 3.319 | 57 | 196473 | 9.44 | PPBV | | 100 |
| 39) VINYL ACETATE | 2.901 | 86 | 25222 | 11.09 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.827 | 63 | 191878 | 10.35 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.997 | 72 | 52375 | 10.33 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.190 | 96 | 109602 | 10.39 | PPBV | | 97 |
| 43) DIISOPROPYL ETHER | 3.325 | 59 | 57566 | 10.63 | PPBV | | 93 |
| 44) ETHYL ACETATE | 3.328 | 61 | 39996 | 10.06 | PPBV | | 99 |
| 45) METHYL ACRYLATE | 3.315 | 55 | 245056 | 10.75 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.341 | 83 | 229319 | 10.75 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.833 | 57 | 225377 | 10.13 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.910 | 97 | 204733 | 10.54 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.335 | 117 | 200635 | 10.52 | PPBV | | 99 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.749 | 62 | 169201 | 10.46 | PPBV | | 99 |
| 51) | BENZENE | 4.222 | 78 | 316278 | 10.07 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.431 | 84 | 138874 | 10.36 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.688 | 71 | 73542 | 10.71 | PPBV | | 98 |
| 55) | TRICHLOROETHENE | 5.122 | 95 | 147930 | 10.18 | PPBV | | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.888 | 63 | 132436 | 10.24 | PPBV | | 100 |
| 57) | DIBROMOMETHANE | 4.849 | 174 | 125660 | 10.30 | PPBV | | 99 |
| 58) | ETHYL ACRYLATE | 5.010 | 55 | 296975 | 10.70 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.068 | 83 | 239481 | 10.74 | PPBV | | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.216 | 57 | 618959 | 10.08 | PPBV | | 99 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 78243 | 9.84 | PPBV | # | 98 |
| 62) | HEPTANE | 5.534 | 43 | 215703 | 10.00 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.431 | 69 | 124844 | 10.75 | PPBV | | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 128395 | 9.67 | PPBV | | 98 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.058 | 75 | 172676 | 10.42 | PPBV | | 98 |
| 66) | TOLUENE | 7.264 | 91 | 409854 | 10.15 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.322 | 76 | 206984 | 10.43 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.733 | 75 | 141799 | 10.43 | PPBV | | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.894 | 83 | 119463 | 10.82 | PPBV | | 99 |
| 70) | 2-HEXANONE | 7.852 | 58 | 184918 | 9.13 | PPBV | | 100 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 210624 | 10.97 | PPBV | | 98 |
| 72) | TETRACHLOROETHENE | 8.990 | 164 | 146582 | 10.16 | PPBV | | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.794 | 129 | 231313 | 10.94 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 217379 | 11.18 | PPBV | | 99 |
| 75) | OCTANE | 9.141 | 43 | 307968 | 9.49 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 157549 | 10.79 | PPBV | | 99 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 345685 | 10.49 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 562286 | 10.41 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.511 | 91 | 869508 | 20.39 | PPBV | | 99 |
| 81) | O-XYLENE | 12.440 | 91 | 442080 | 10.32 | PPBV | | 97 |
| 82) | STYRENE | 12.228 | 104 | 333475 | 10.76 | PPBV | | 100 |
| 83) | NONANE | 13.563 | 43 | 334870 | 9.89 | PPBV | | 98 |
| 84) | BROMOFORM | 11.315 | 173 | 199478 | 10.77 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.456 | 83 | 324727 | 10.77 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 250625 | 10.29 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 169216 | 10.43 | PPBV | | 100 |
| 89) | BROMOBENZENE | 13.820 | 77 | 313692 | 10.22 | PPBV | | 99 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 154799 | 10.41 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.292 | 120 | 176747 | 10.58 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.742 | 105 | 631445 | 10.68 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.996 | 105 | 529517 | 10.64 | PPBV | | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 285116 | 10.78 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 128929 | 10.83 | PPBV | | 100 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.578 | 105 | 562226 | 10.81 | PPBV | | 99 |
| 97) | BENZYL CHLORIDE | 16.668 | 91 | 224329 | 14.83 | PPBV | | 100 |
| 98) | M-DICHLOROBENZENE | 16.643 | 146 | 357907 | 10.31 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 364848 | 10.60 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.045 | 146 | 347951 | 10.47 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 164754 | 11.00 | PPBV | | 96 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.993 | 105 | 547996 | 10.41 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 181395 | 10.85 | PPBV | | 99 |
| 104) | N-BUTYLBENZENE | 17.427 | 134 | 180029 | 10.85 | PPBV | | 97 |
| 105) | HEXACHLOROETHANE | 17.604 | 117 | 174155 | 10.82 | PPBV | | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.659 | 225 | 264758 | 10.60 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 344052 | 10.34 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.395 | 128 | 945806 | 10.88 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.303 | TIC | 662374 | 10.01 | PPBV | | 100 |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

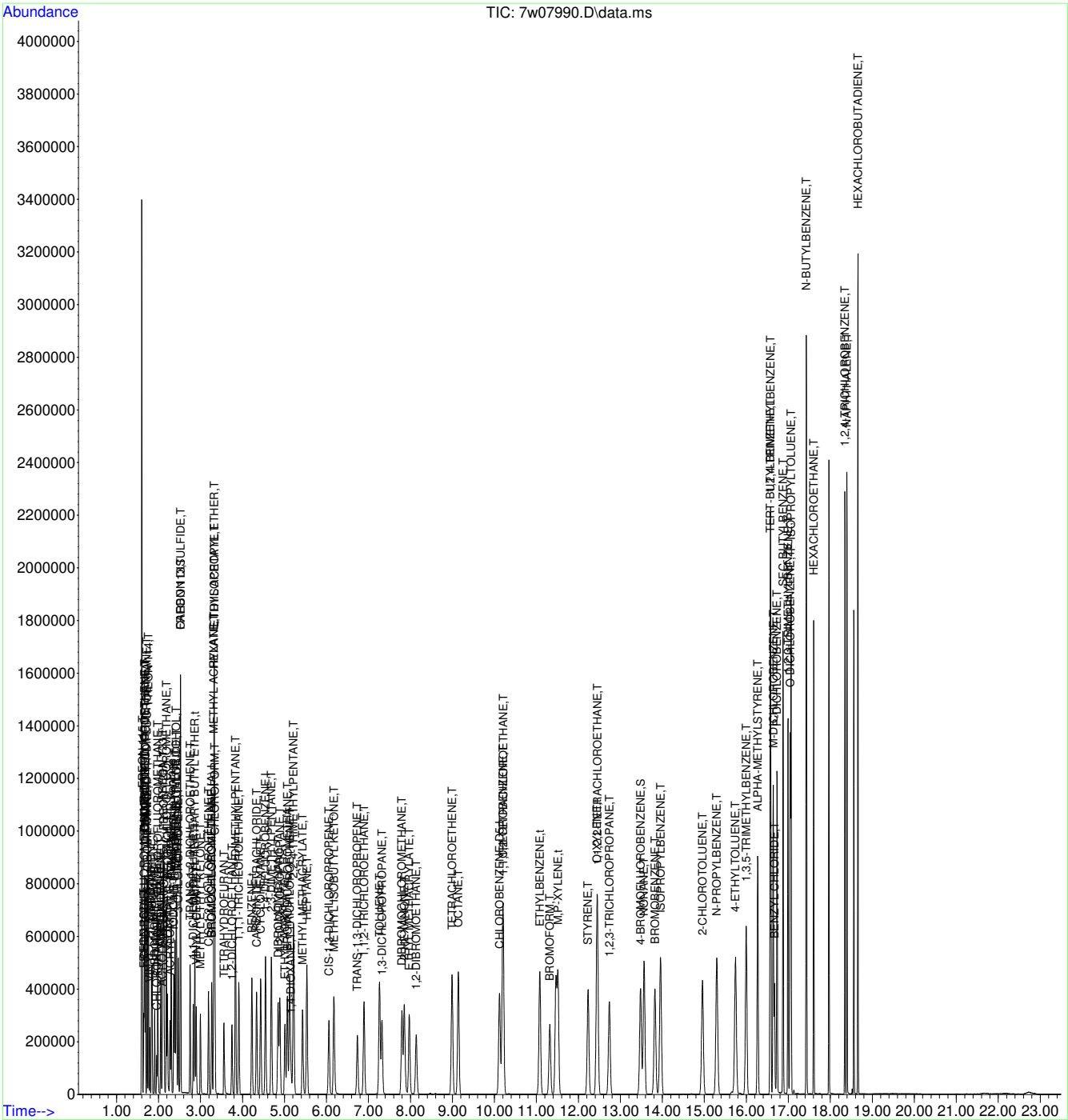
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w07990.D
Acq On : 19 Aug 2024 6:28 am
Operator : benk
Sample : icv305-10
Misc : MS74014,v7w305,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 00:15:05 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| 52) 1,4-DIFLUOROBENZENE | 4.554 | 114 | 318407 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.123 | 117 | 291110 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.277 | 128 | 60785 | 10.00 | PPBV | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.479 | 95 | 198104 | 9.28 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 113904 | 14.6115 | PPBV | | 97 |
| 3) FREON 152A | 1.650 | 65 | 58252 | 13.8424 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 22548 | 11.1109 | PPBV | | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.673 | 116 | 126006 | 12.7755 | PPBV | | 72 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 258130 | 10.5903 | PPBV | | 96 |
| 7) PROPYLENE | 1.670 | 41 | 73226 | 12.5735 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 176595 | 8.6534 | PPBV | | 93 |
| 9) FREON 114 | 1.763 | 85 | 219367 | 10.5801 | PPBV | | 96 |
| 10) CHLOROMETHANE | 1.734 | 52 | 27990 | 8.8659 | PPBV | | 93 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 98928 | 10.1918 | PPBV | | 98 |
| 12) 1,3-BUTADIENE | 1.837 | 54 | 78163 | 9.9046 | PPBV | | 85 |
| 13) N-BUTANE | 1.853 | 43 | 130976 | 9.0882 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.914 | 94 | 79036 | 10.1826 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.962 | 64 | 53235 | 10.7085 | PPBV | | 88 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 193041 | 10.1603 | PPBV | | 97 |
| 17) ACETONITRILE | 2.059 | 41 | 79921 | 8.4691 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 45813 | 9.6699 | PPBV | | 99 |
| 19) FREON 123 | 2.110 | 83 | 201941 | 10.4598 | PPBV | | 98 |
| 20) FREON 123A | 2.129 | 117 | 122795 | 11.0880 | PPBV | | 96 |
| 21) TRICHLOROFLUOROMETHANE | 2.194 | 101 | 218154 | 9.9806 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 185164 | 8.9938 | PPBV | | 95 |
| 23) ACETONE | 2.139 | 58 | 55931 | 9.9687 | PPBV | | 67 |
| 24) PENTANE | 2.313 | 42 | 98623 | 9.4305 | PPBV | | 92 |
| 25) IODOMETHANE | 2.374 | 142 | 221386 | 11.7419 | PPBV | | 90 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 84778 | 10.4231 | PPBV | | 90 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 226201 | 9.5429 | PPBV | # | 91 |
| 28) ETHANOL | 1.994 | 45 | 48617 | 8.6425 | PPBV | | 98 |
| 29) BROMOETHENE | 2.065 | 106 | 83038 | 11.1865 | PPBV | # | 97 |
| 30) ACRYLONITRILE | 2.280 | 52 | 72323 | 9.4774 | PPBV | | 96 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 75641 | 9.0358 | PPBV | | 81 |
| 32) 3-CHLOROPROPENE | 2.480 | 76 | 40143 | 9.3713 | PPBV | # | 64 |
| 33) FREON 113 | 2.531 | 151 | 133379 | 10.4200 | PPBV | | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.760 | 96 | 90620 | 11.4238 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 178450 | 9.0300 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 237675 | 11.9255 | PPBV | | 98 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 45414 | 11.9586 | PPBV | | 98 |
| 38) HEXANE | 3.325 | 57 | 189796 | 11.4405 | PPBV | | 89 |
| 39) VINYL ACETATE | 2.907 | 86 | 21344 | 11.7644 | PPBV | | 84 |
| 40) 1,1-DICHLOROETHANE | 2.837 | 63 | 185111 | 12.5230 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.007 | 72 | 48844 | 12.0820 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 95378 | 11.3375 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 53282 | 12.3430 | PPBV | | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 37519 | 11.8340 | PPBV | | 80 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 218966 | 12.0500 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 183591 | 10.7906 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 217186 | 12.2384 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 179721 | 11.6039 | PPBV | | 96 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 188242 | 12.3820 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 136186 | 10.5541 | PPBV | | 99 |
| 51) | BENZENE | 4.229 | 78 | 287054 | 11.4643 | PPBV | | 97 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 122945 | 10.9323 | PPBV | | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.695 | 71 | 66429 | 11.5345 | PPBV | | 92 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 124262 | 10.1896 | PPBV | | 97 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 125410 | 11.5600 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.856 | 174 | 108654 | 10.6178 | PPBV | | 92 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 267659 | 11.4928 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.075 | 83 | 201360 | 10.7597 | PPBV | | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 593969 | 11.5245 | PPBV | | 98 |
| 61) | 1,4-DIOXANE | 5.152 | 88 | 67571 | 10.1241 | PPBV | # | 92 |
| 62) | HEPTANE | 5.538 | 43 | 200831 | 11.0999 | PPBV | | 98 |
| 63) | METHYL METHACRYLATE | 5.435 | 69 | 111342 | 11.4310 | PPBV | | 93 |
| 64) | METHYL ISOBUTYL KETONE | 6.174 | 58 | 116688 | 10.4765 | PPBV | | 88 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.062 | 75 | 168984 | 12.1544 | PPBV | | 86 |
| 66) | TOLUENE | 7.267 | 91 | 344235 | 10.1611 | PPBV | | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 174071 | 10.4582 | PPBV | | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 139249 | 12.2098 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.898 | 83 | 101012 | 10.9059 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.849 | 58 | 163348 | 9.6093 | PPBV | | 87 |
| 71) | ETHYL METHACRYLATE | 7.972 | 69 | 179505 | 11.1440 | PPBV | | 94 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 132275 | 10.9275 | PPBV | | 97 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 200550 | 11.3029 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.142 | 107 | 182038 | 11.1564 | PPBV | | 100 |
| 75) | OCTANE | 9.142 | 43 | 274062 | 10.0697 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.209 | 131 | 144332 | 11.5604 | PPBV | | 94 |
| 78) | CHLOROBENZENE | 10.200 | 112 | 276377 | 9.8077 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 11.081 | 91 | 454221 | 9.8333 | PPBV | | 97 |
| 80) | M,P-XYLENE | 11.508 | 91 | 696539 | 19.0900 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 354868 | 9.6873 | PPBV | | 99 |
| 82) | STYRENE | 12.232 | 104 | 275318 | 10.3876 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 281389 | 9.7128 | PPBV | | 94 |
| 84) | BROMOFORM | 11.322 | 173 | 186323 | 11.7618 | PPBV | | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.454 | 83 | 264100 | 10.2355 | PPBV | | 98 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.737 | 75 | 200411 | 9.6181 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.958 | 120 | 135526 | 9.7674 | PPBV | | 94 |
| 89) | BROMOBENZENE | 13.823 | 77 | 247703 | 9.4364 | PPBV | | 95 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 120539 | 9.4762 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 141576 | 9.9091 | PPBV | | 100 |
| 92) | 4-ETHYLTOLUENE | 15.740 | 105 | 515336 | 10.1876 | PPBV | | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.994 | 105 | 416897 | 9.7951 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 212144 | 9.3804 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 102158 | 10.0338 | PPBV | | 93 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 434416 | 9.7670 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 257456 | 19.8916 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 290983 | 9.8030 | PPBV | | 97 |
| 99) | P-DICHLOROBENZENE | 16.730 | 146 | 295431 | 10.0349 | PPBV | | 97 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 277787 | 9.7722 | PPBV | | 97 |
| 101) | SEC-BUTYLBENZENE | 16.875 | 134 | 130027 | 10.1472 | PPBV | | 90 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 415375 | 9.2243 | PPBV | | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 139585 | 9.7620 | PPBV | | 94 |
| 104) | N-BUTYLBENZENE | 17.421 | 134 | 139967 | 9.8616 | PPBV | | 88 |
| 105) | HEXACHLOROETHANE | 17.598 | 117 | 159918 | 11.6099 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.650 | 225 | 220878 | 10.3419 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.341 | 180 | 269758 | 9.4800 | PPBV | | 100 |
| 108) | NAPHTHALENE | 18.386 | 128 | 626781 | 8.4309 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.313 | TIC | 466760 | 8.8472 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

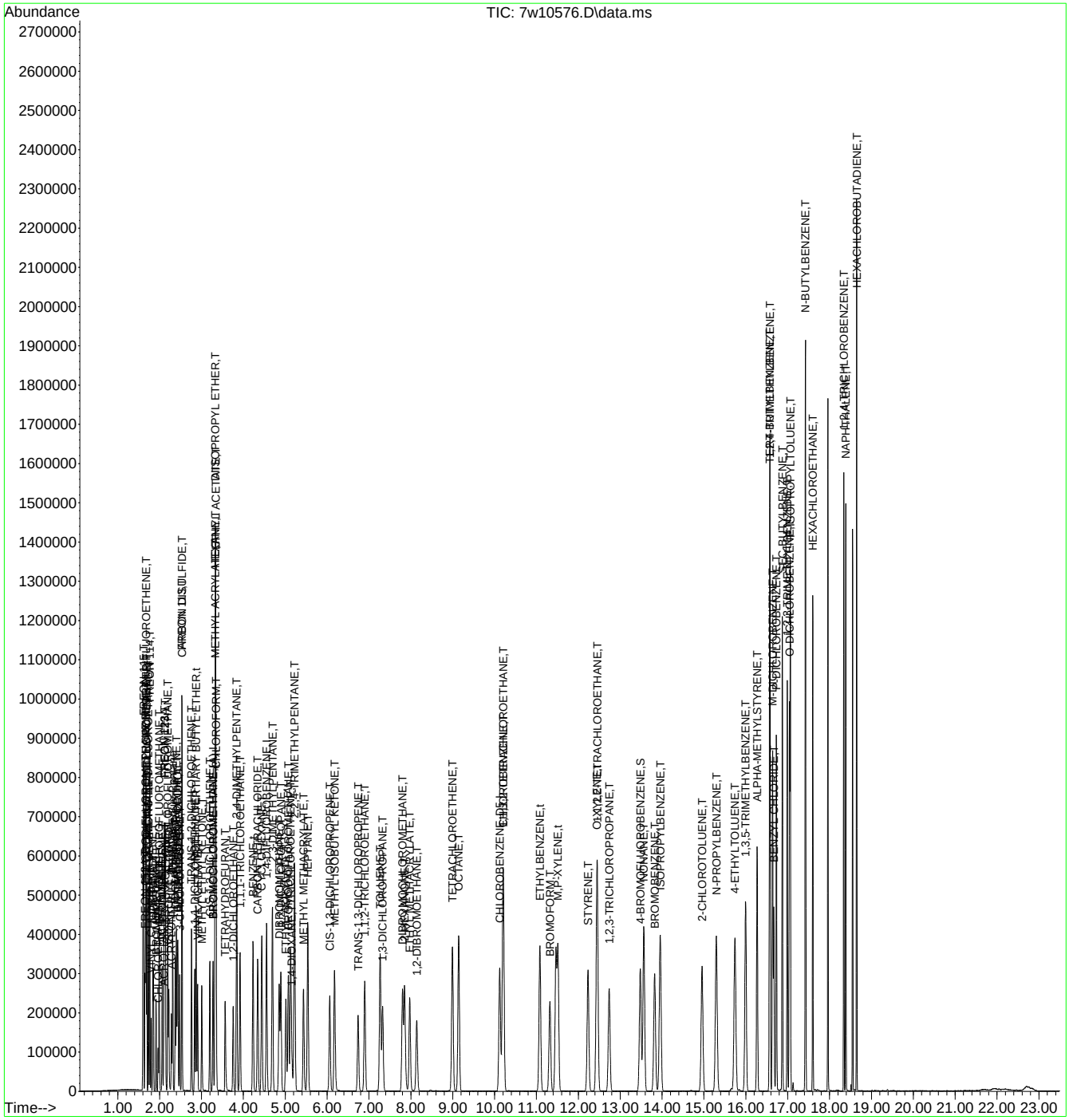
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\luckyc\19 November 2024\v7w387\
Data File : 7w10576.D
Acq On : 18 Nov 2024 9:35 am
Operator : bkim
Sample : cc305-10 Inst : MS7W
Misc : MS87131,v7w387,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 04:25:37 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 11/25/24 17:07

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 72713 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 383789 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 314273 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 72713 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.482 | 95 | 225172 | 9.77 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) FREON 115 | 1.621 | 119 | 124218 | 13.3206 | PPBV | 95 |
| 3) FREON 152A | 1.650 | 65 | 65766 | 13.0643 | PPBV | 94 |
| 4) CHLORODIFLUOROMETHANE | 1.663 | 67 | 28304 | 11.6593 | PPBV | 95 |
| 5) CHLOROTRIFLUOROETHENE | 1.676 | 116 | 133573 | 11.3211 | PPBV | 85 |
| 6) DICHLORODIFLUOROMETHANE | 1.692 | 85 | 309467 | 10.6137 | PPBV | 99 |
| 7) PROPYLENE | 1.673 | 41 | 82127 | 11.7885 | PPBV | 98 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.730 | 65 | 265152 | 10.8615 | PPBV | 97 |
| 9) FREON 114 | 1.766 | 85 | 287257 | 11.5817 | PPBV | 96 |
| 10) CHLOROMETHANE | 1.737 | 52 | 39678 | 10.5064 | PPBV | 99 |
| 11) VINYL CHLORIDE | 1.798 | 62 | 137113 | 11.8085 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.840 | 54 | 109490 | 11.5983 | PPBV | 93 |
| 13) N-BUTANE | 1.856 | 43 | 197186 | 11.4379 | PPBV | 99 |
| 14) BROMOMETHANE | 1.914 | 94 | 96846 | 10.4304 | PPBV | 99 |
| 15) CHLOROETHANE | 1.965 | 64 | 67594 | 11.3665 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.991 | 67 | 252271 | 11.0997 | PPBV | 99 |
| 17) ACETONITRILE | 2.062 | 41 | 111438 | 9.8717 | PPBV | 100 |
| 18) ACROLEIN | 2.100 | 56 | 56560 | 9.9799 | PPBV | 98 |
| 19) FREON 123 | 2.113 | 83 | 250554 | 10.8489 | PPBV | 99 |
| 20) FREON 123A | 2.129 | 117 | 139203 | 10.5076 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 2.197 | 101 | 262872 | 10.0537 | PPBV | 99 |
| 22) ISOPROPYL ALCOHOL | 2.219 | 45 | 245998 | 9.9886 | PPBV | 98 |
| 23) ACETONE | 2.139 | 58 | 69188 | 10.3086 | PPBV | 85 |
| 24) PENTANE | 2.312 | 42 | 135548 | 10.8352 | PPBV | 96 |
| 25) IODOMETHANE | 2.373 | 142 | 236333 | 10.4784 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 104831 | 10.7743 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.534 | 76 | 314081m | 11.0767 | PPBV | |
| 28) ETHANOL | 1.997 | 45 | 71616 | 10.6426 | PPBV | 99 |
| 29) BROMOETHENE | 2.068 | 106 | 93881 | 10.5726 | PPBV | 98 |
| 30) ACRYLONITRILE | 2.283 | 52 | 94413 | 10.3426 | PPBV | 98 |
| 31) METHYLENE CHLORIDE | 2.438 | 84 | 100876 | 10.0735 | PPBV | 99 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 55680 | 10.8661 | PPBV | 94 |
| 33) FREON 113 | 2.531 | 151 | 146739 | 9.5832 | PPBV | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 100171 | 10.5563 | PPBV | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.425 | 59 | 251539 | 10.6405 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 281716 | 11.8165 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 53016 | 11.6703 | PPBV | 96 |
| 38) HEXANE | 3.325 | 57 | 218443 | 11.0073 | PPBV | 93 |
| 39) VINYL ACETATE | 2.907 | 86 | 24929 | 11.4864 | PPBV | 81 |
| 40) 1,1-DICHLOROETHANE | 2.836 | 63 | 221068 | 12.5022 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 57471 | 11.8839 | PPBV | 89 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 114625 | 11.3902 | PPBV | 98 |
| 43) DIISOPROPYL ETHER | 3.332 | 59 | 61884 | 11.9841 | PPBV | 85 |
| 44) ETHYL ACETATE | 3.338 | 61 | 44813 | 11.8159 | PPBV | 79 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 257381 | 11.8406 | PPBV # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 228133 | 11.2090 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 249533 | 11.7545 | PPBV | 98 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 217871 | 11.7595 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.338 | 117 | 215033 | 11.8240 | PPBV | 98 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.753 | 62 | 173683 | 11.2520 | PPBV | | 99 |
| 51) BENZENE | 4.229 | 78 | 334442 | 11.1657 | PPBV | | 98 |
| 53) CYCLOHEXANE | 4.438 | 84 | 150415 | 11.0964 | PPBV | | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78602 | 11.3231 | PPBV | | 96 |
| 55) TRICHLOROETHENE | 5.126 | 95 | 150275 | 10.2234 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 4.894 | 63 | 148037 | 11.3210 | PPBV | | 96 |
| 57) DIBROMOMETHANE | 4.852 | 174 | 127543 | 10.3404 | PPBV | | 97 |
| 58) ETHYL ACRYLATE | 5.013 | 55 | 310535 | 11.0623 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.071 | 83 | 246347 | 10.9211 | PPBV | | 100 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.222 | 57 | 676249 | 10.8857 | PPBV | | 98 |
| 61) 1,4-DIOXANE | 5.151 | 88 | 80126 | 9.9600 | PPBV | # | 95 |
| 62) HEPTANE | 5.537 | 43 | 222238 | 10.1905 | PPBV | | 95 |
| 63) METHYL METHACRYLATE | 5.434 | 69 | 129696 | 11.0470 | PPBV | | 95 |
| 64) METHYL ISOBUTYL KETONE | 6.177 | 58 | 134511 | 10.0193 | PPBV | | 91 |
| 65) CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 200693 | 11.9759 | PPBV | | 91 |
| 66) TOLUENE | 7.267 | 91 | 404008 | 9.8938 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.325 | 76 | 209319 | 10.4335 | PPBV | | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.740 | 75 | 166232 | 12.0926 | PPBV | | 91 |
| 69) 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 123583 | 11.0697 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.846 | 58 | 186755 | 9.1146 | PPBV | | 91 |
| 71) ETHYL METHACRYLATE | 7.971 | 69 | 210548 | 10.8444 | PPBV | | 96 |
| 72) TETRACHLOROETHENE | 8.994 | 164 | 158430 | 10.8586 | PPBV | | 97 |
| 73) DIBROMOCHLOROMETHANE | 7.798 | 129 | 232603 | 10.8761 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.138 | 107 | 222069 | 11.2912 | PPBV | | 99 |
| 75) OCTANE | 9.142 | 43 | 309112 | 9.4227 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 172209 | 12.7766 | PPBV | | 96 |
| 78) CHLOROBENZENE | 10.196 | 112 | 333442 | 10.9606 | PPBV | | 100 |
| 79) ETHYLBENZENE | 11.080 | 91 | 532047 | 10.6692 | PPBV | | 96 |
| 80) M,P-XYLENE | 11.508 | 91 | 818693 | 20.7842 | PPBV | | 98 |
| 81) O-XYLENE | 12.444 | 91 | 420763 | 10.6396 | PPBV | | 97 |
| 82) STYRENE | 12.232 | 104 | 322337 | 11.2653 | PPBV | | 98 |
| 83) NONANE | 13.563 | 43 | 327222 | 10.4623 | PPBV | | 94 |
| 84) BROMOFORM | 11.322 | 173 | 202757 | 11.8558 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.457 | 83 | 324802 | 11.6603 | PPBV | | 99 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.740 | 75 | 245284 | 10.9040 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.952 | 120 | 164061 | 10.9524 | PPBV | | 96 |
| 89) BROMOBENZENE | 13.823 | 77 | 297385 | 10.4941 | PPBV | | 98 |
| 90) 2-CHLOROTOLUENE | 14.958 | 126 | 147296 | 10.7262 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.296 | 120 | 172351 | 11.1740 | PPBV | | 98 |
| 92) 4-ETHYLTOLUENE | 15.743 | 105 | 604172 | 11.0635 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 495028 | 10.7735 | PPBV | | 98 |
| 94) ALPHA-METHYLSTYRENE | 16.270 | 118 | 253766 | 10.3938 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.572 | 134 | 124432 | 11.3208 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 527071 | 10.9768 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.669 | 91 | 298306 | 21.3491 | PPBV | | 97 |
| 98) M-DICHLOROBENZENE | 16.640 | 146 | 348032 | 10.8608 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.733 | 146 | 352021 | 11.0758 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.045 | 146 | 330611 | 10.7733 | PPBV | | 98 |
| 101) SEC-BUTYLBENZENE | 16.874 | 134 | 158601 | 11.4649 | PPBV | | 92 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 507380 | 10.4370 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.064 | 134 | 175712 | 11.3829 | PPBV | | 92 |
| 104) N-BUTYLBENZENE | 17.424 | 134 | 173477 | 11.3217 | PPBV | | 92 |
| 105) HEXACHLOROETHANE | 17.601 | 117 | 191640 | 12.8875 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 18.656 | 225 | 269973 | 11.7090 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.347 | 180 | 332707 | 10.8304 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.395 | 128 | 752557 | 9.3766 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.312 | TIC | 649553 | 10.2923 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

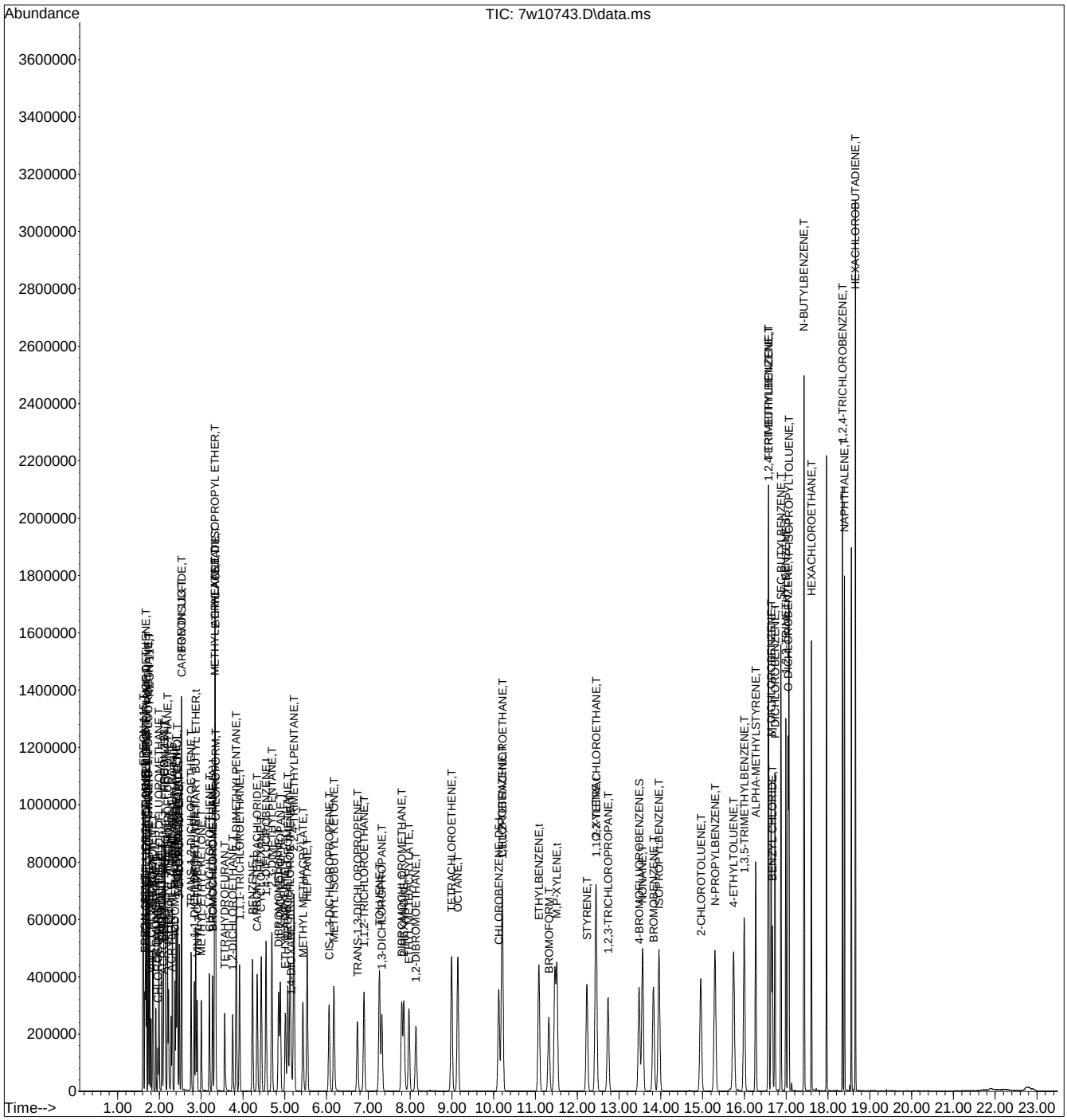
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 21:29:53 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



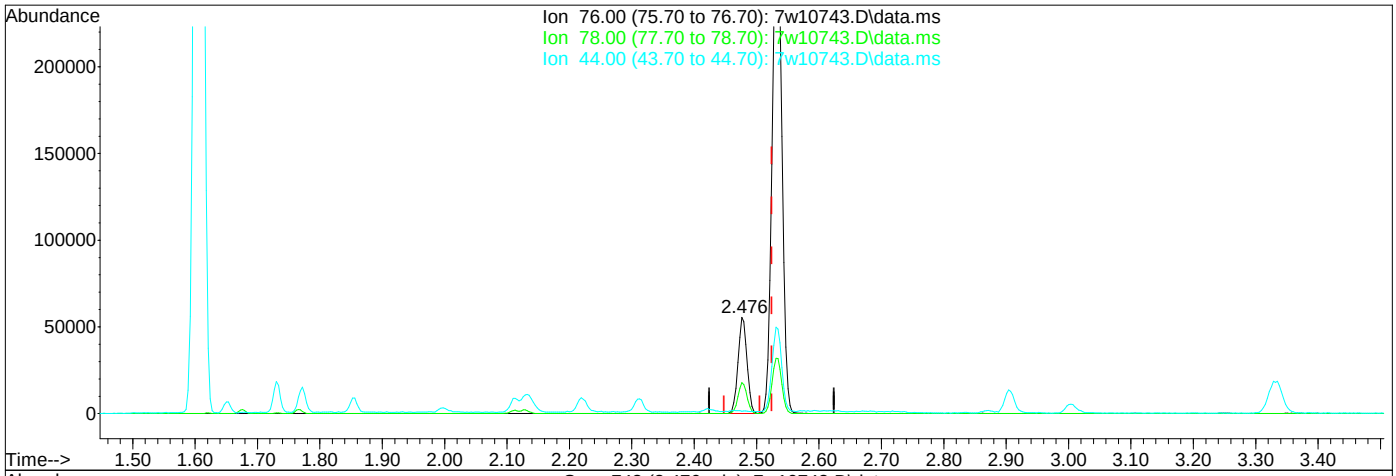
**Sample Number:** V7W392-CC305 **Method:** TO-15
**Lab FileID:** 7W10743.D **Analyst approved:** 11/25/24 16:53 Geralyn Gomez
**Injection Time:** 11/25/24 09:11 **Supervisor approved:** 11/25/24 17:07 Kanya Veerawat

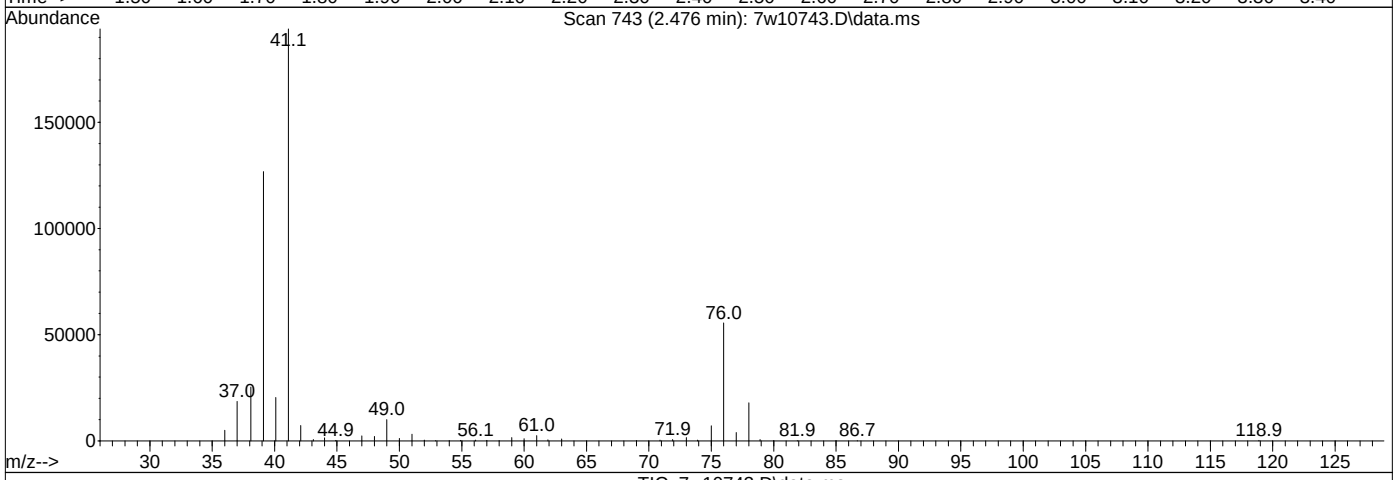
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 1.97PPBV

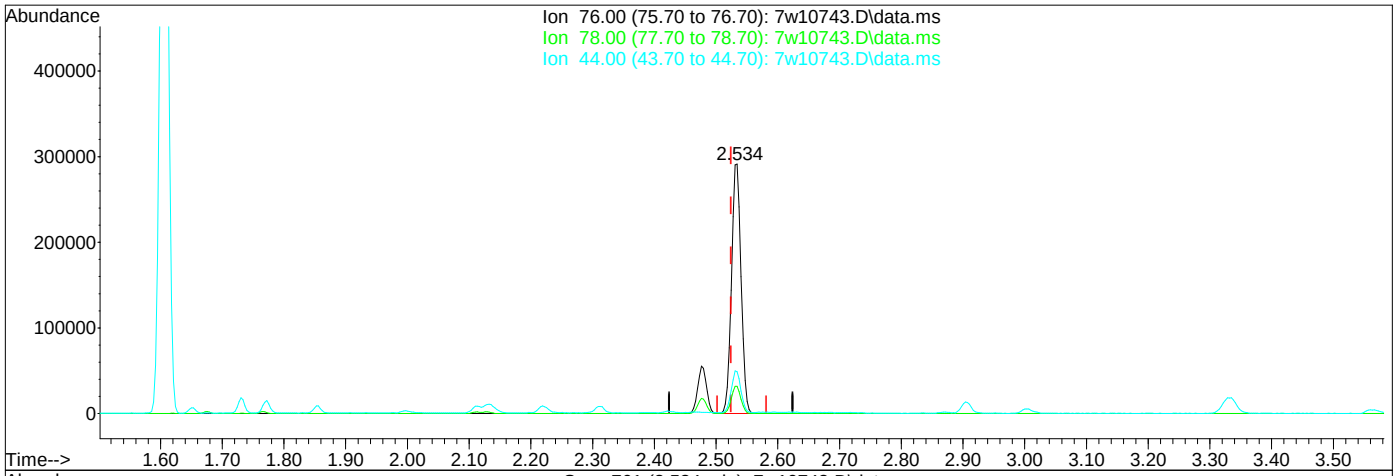
response 55719

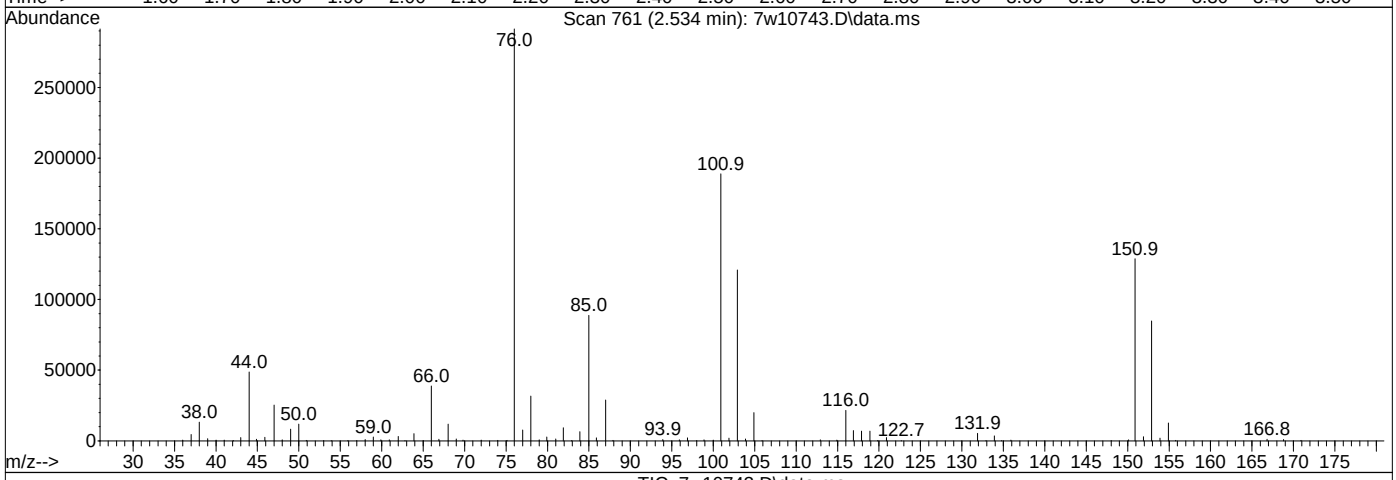
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.48# |
| 44.00 | 19.10 | 1.91# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : X:\Dayton VOA GCMS\geralyng\11-25-2024\V7W392\
Data File : 7w10743.D
Acq On : 25 Nov 2024 9:11 am
Operator : williamc
Sample : cc305-10 Inst : MS7W
Misc : MS87372,v7w392,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 25 20:58:12 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10743.D\data.ms

(27) CARBON DISULFIDE (T)

2.534min (+0.010) 11.08PPBV m

response 314081

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.76# |
| 44.00 | 19.10 | 0.34# |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/03/24 17:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.274 | 128 | 66164 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.553 | 114 | 360115 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.122 | 117 | 308758 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.274 | 128 | 66164 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.476 | 95 | 195438 | 8.63 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.618 | 119 | 112676 | 13.28 | PPBV | | 86 |
| 3) FREON 152A | 1.647 | 65 | 64359 | 14.05 | PPBV | | 86 |
| 4) CHLORODIFLUOROMETHANE | 1.660 | 67 | 23376 | 10.58 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.672 | 116 | 129548 | 12.07 | PPBV | | 82 |
| 6) DICHLORODIFLUOROMETHANE | 1.689 | 85 | 292962 | 11.04 | PPBV | | 95 |
| 7) PROPYLENE | 1.669 | 41 | 87998 | 13.88 | PPBV | | 97 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.727 | 65 | 182976 | 8.24 | PPBV | # | 91 |
| 9) FREON 114 | 1.762 | 85 | 266292 | 11.80 | PPBV | | 95 |
| 10) CHLOROMETHANE | 1.734 | 52 | 32293 | 9.40 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.795 | 62 | 111922 | 10.59 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.833 | 54 | 92248 | 10.74 | PPBV | | 86 |
| 13) N-BUTANE | 1.849 | 43 | 159773 | 10.19 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.910 | 94 | 103962 | 12.31 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.962 | 64 | 59766 | 11.04 | PPBV | | 89 |
| 16) DICHLOROFLUOROMETHANE | 1.988 | 67 | 217830 | 10.53 | PPBV | # | 97 |
| 17) ACETONITRILE | 2.058 | 41 | 99683 | 9.70 | PPBV | | 98 |
| 18) ACROLEIN | 2.097 | 56 | 52530 | 10.19 | PPBV | | 98 |
| 19) FREON 123 | 2.110 | 83 | 259266 | 12.34 | PPBV | | 98 |
| 20) FREON 123A | 2.126 | 117 | 153226 | 12.71 | PPBV | | 85 |
| 21) TRICHLOROFLUOROMETHANE | 2.193 | 101 | 242249 | 10.18 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.216 | 45 | 217454 | 9.70 | PPBV | | 94 |
| 23) ACETONE | 2.135 | 58 | 61825 | 10.12 | PPBV | | 66 |
| 24) PENTANE | 2.309 | 42 | 120649 | 10.60 | PPBV | | 89 |
| 25) IODOMETHANE | 2.370 | 142 | 277225 | 13.51 | PPBV | | 81 |
| 26) 1,1-DICHLOROETHYLENE | 2.399 | 96 | 112561 | 12.71 | PPBV | | 70 |
| 27) CARBON DISULFIDE | 2.531 | 76 | 295469m | 11.45 | PPBV | | |
| 28) ETHANOL | 1.994 | 45 | 64400 | 10.52 | PPBV | | 97 |
| 29) BROMOETHENE | 2.065 | 106 | 107629 | 13.32 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.280 | 52 | 89222 | 10.74 | PPBV | | 97 |
| 31) METHYLENE CHLORIDE | 2.434 | 84 | 101512 | 11.14 | PPBV | | 74 |
| 32) 3-CHLOROPROPENE | 2.476 | 76 | 52747 | 11.31 | PPBV | # | 57 |
| 33) FREON 113 | 2.531 | 151 | 169613 | 12.17 | PPBV | | 95 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.759 | 96 | 113274 | 13.12 | PPBV | | 87 |
| 35) TERTIARY BUTYL ALCOHOL | 2.422 | 59 | 188059 | 8.74 | PPBV | | 95 |
| 36) METHYL TERTIARY BUTYL ... | 2.872 | 73 | 268241 | 12.36 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.563 | 72 | 53297 | 12.89 | PPBV | | 100 |
| 38) HEXANE | 3.325 | 57 | 205169 | 11.36 | PPBV | | 92 |
| 39) VINYL ACETATE | 2.904 | 86 | 26334 | 13.33 | PPBV | | 80 |
| 40) 1,1-DICHLOROETHANE | 2.833 | 63 | 198960 | 12.37 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 3.004 | 72 | 57073 | 12.97 | PPBV | | 97 |
| 42) CIS-1,2-DICHLOROETHENE | 3.200 | 96 | 112799 | 12.32 | PPBV | | 93 |
| 43) DIISOPROPYL ETHER | 3.335 | 59 | 59599 | 12.68 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.338 | 61 | 43761 | 12.68 | PPBV | | 85 |
| 45) METHYL ACRYLATE | 3.322 | 55 | 248421 | 12.56 | PPBV | # | 26 |
| 46) CHLOROFORM | 3.348 | 83 | 217772 | 11.76 | PPBV | | 96 |
| 47) 2,4-DIMETHYLPENTANE | 3.840 | 57 | 236650 | 12.25 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.920 | 97 | 193764 | 11.49 | PPBV | | 95 |
| 49) CARBON TETRACHLORIDE | 4.341 | 117 | 181175 | 10.95 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.756 | 62 | 138076 | 9.83 | PPBV | # | 98 |
| 51) | BENZENE | 4.229 | 78 | 344121 | 12.63 | PPBV | | 94 |
| 53) | CYCLOHEXANE | 4.438 | 84 | 146149 | 11.49 | PPBV | | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.692 | 71 | 78534 | 12.06 | PPBV | | 94 |
| 55) | TRICHLOROETHENE | 5.126 | 95 | 146969 | 10.66 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.894 | 63 | 140268 | 11.43 | PPBV | | 94 |
| 57) | DIBROMOMETHANE | 4.852 | 174 | 111226 | 9.61 | PPBV | | 95 |
| 58) | ETHYL ACRYLATE | 5.013 | 55 | 305336 | 11.59 | PPBV | | 99 |
| 59) | BROMODICHLOROMETHANE | 5.074 | 83 | 235910 | 11.15 | PPBV | | 98 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.219 | 57 | 639430 | 10.97 | PPBV | | 97 |
| 61) | 1,4-DIOXANE | 5.151 | 88 | 84209 | 11.16 | PPBV | # | 98 |
| 62) | HEPTANE | 5.537 | 43 | 231224 | 11.30 | PPBV | | 99 |
| 63) | METHYL METHACRYLATE | 5.434 | 69 | 134566 | 12.22 | PPBV | | 92 |
| 64) | METHYL ISOBUTYL KETONE | 6.177 | 58 | 131981 | 10.48 | PPBV | | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 6.061 | 75 | 194738 | 12.38 | PPBV | | 86 |
| 66) | TOLUENE | 7.264 | 91 | 417327 | 10.89 | PPBV | | 98 |
| 67) | 1,3-DICHLOROPROPANE | 7.325 | 76 | 206521 | 10.97 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.737 | 75 | 157832 | 12.24 | PPBV | | 85 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.897 | 83 | 125482 | 11.98 | PPBV | | 97 |
| 70) | 2-HEXANONE | 7.846 | 58 | 187434 | 9.75 | PPBV | | 96 |
| 71) | ETHYL METHACRYLATE | 7.971 | 69 | 220183 | 12.09 | PPBV | | 93 |
| 72) | TETRACHLOROETHENE | 8.994 | 164 | 139115 | 10.16 | PPBV | | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.801 | 129 | 203519 | 10.14 | PPBV | | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.138 | 107 | 214754 | 11.64 | PPBV | | 99 |
| 75) | OCTANE | 9.142 | 43 | 326404 | 10.60 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.212 | 131 | 144417 | 10.91 | PPBV | | 100 |
| 78) | CHLOROBENZENE | 10.199 | 112 | 311741 | 10.43 | PPBV | | 97 |
| 79) | ETHYLBENZENE | 11.080 | 91 | 542118 | 11.07 | PPBV | | 99 |
| 80) | M,P-XYLENE | 11.505 | 91 | 812646 | 21.00 | PPBV | | 99 |
| 81) | O-XYLENE | 12.441 | 91 | 405740 | 10.44 | PPBV | | 99 |
| 82) | STYRENE | 12.228 | 104 | 322952 | 11.49 | PPBV | | 97 |
| 83) | NONANE | 13.563 | 43 | 320556 | 10.43 | PPBV | | 97 |
| 84) | BROMOFORM | 11.318 | 173 | 162466 | 9.67 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.453 | 83 | 324429 | 11.85 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.736 | 75 | 228461 | 10.34 | PPBV | | 100 |
| 88) | ISOPROPYLBENZENE | 13.955 | 120 | 134053 | 9.11 | PPBV | | 98 |
| 89) | BROMOBENZENE | 13.820 | 77 | 272247 | 9.78 | PPBV | | 89 |
| 90) | 2-CHLOROTOLUENE | 14.955 | 126 | 117943 | 8.74 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.299 | 120 | 140341 | 9.26 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.739 | 105 | 529050 | 9.86 | PPBV | | 97 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.997 | 105 | 427830 | 9.48 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.270 | 118 | 217902 | 9.08 | PPBV | | 99 |
| 95) | TERT-BUTYLBENZENE | 16.569 | 134 | 96979 | 8.98 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.579 | 105 | 450307 | 9.55 | PPBV | | 96 |
| 97) | BENZYL CHLORIDE | 16.669 | 91 | 271156 | 19.75 | PPBV | | 97 |
| 98) | M-DICHLOROBENZENE | 16.640 | 146 | 268341 | 8.52 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.733 | 146 | 271386 | 8.69 | PPBV | | 99 |
| 100) | O-DICHLOROBENZENE | 17.042 | 146 | 259391 | 8.60 | PPBV | | 98 |
| 101) | SEC-BUTYLBENZENE | 16.874 | 134 | 120273 | 8.85 | PPBV | | 84 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.990 | 105 | 433575 | 9.08 | PPBV | | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.064 | 134 | 132376 | 8.73 | PPBV | | 98 |
| 104) | N-BUTYLBENZENE | 17.424 | 134 | 135637 | 9.01 | PPBV | | 83 |
| 105) | HEXACHLOROETHANE | 17.601 | 117 | 151917 | 10.40 | PPBV | | 96 |
| 106) | HEXACHLOROBUTADIENE | 18.652 | 225 | 176028 | 7.77 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.344 | 180 | 239821 | 7.95 | PPBV | | 99 |
| 108) | NAPHTHALENE | 18.389 | 128 | 649907 | 8.24 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.309 | TIC | 542459 | 9.45 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration

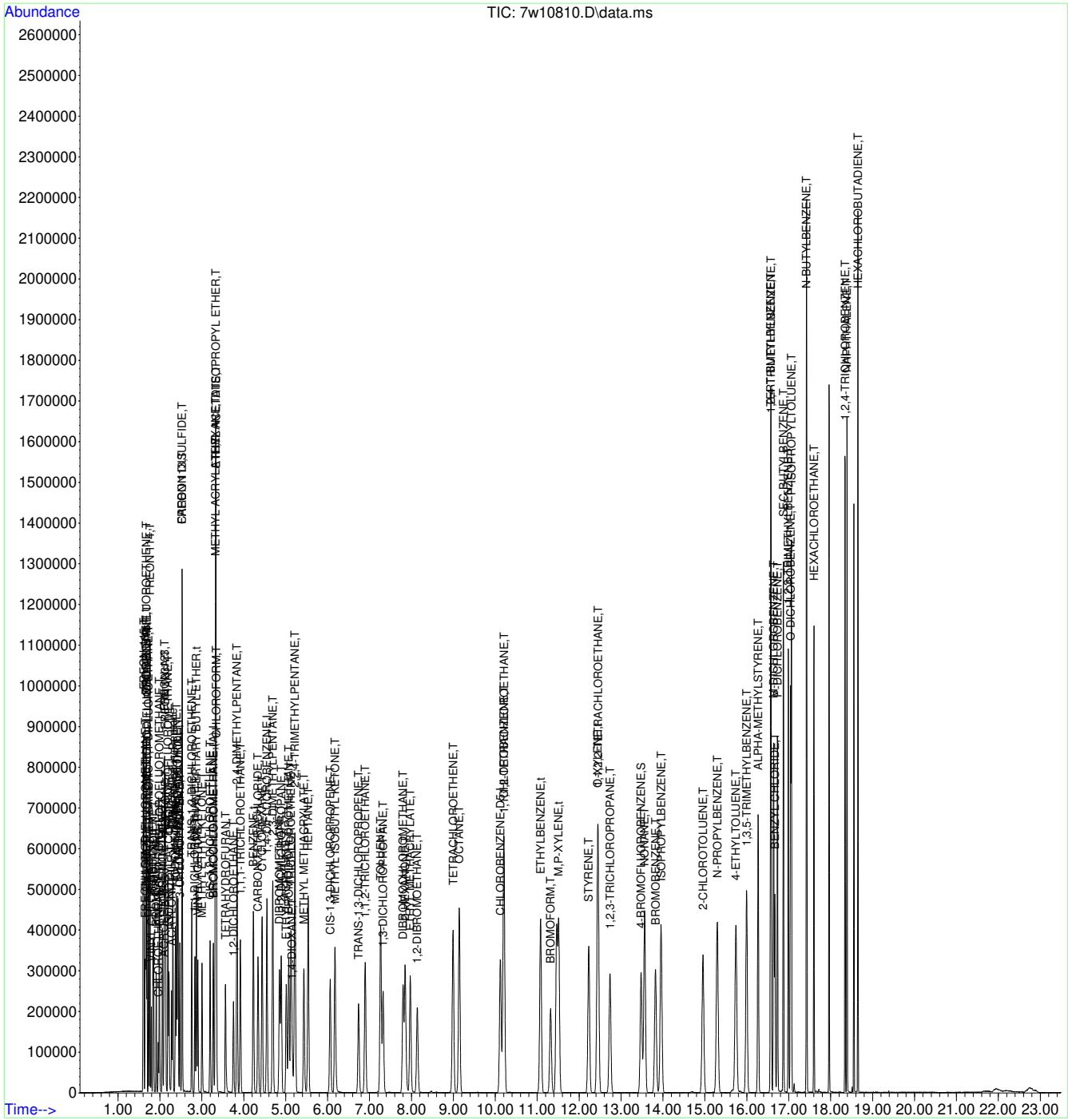
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:55 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



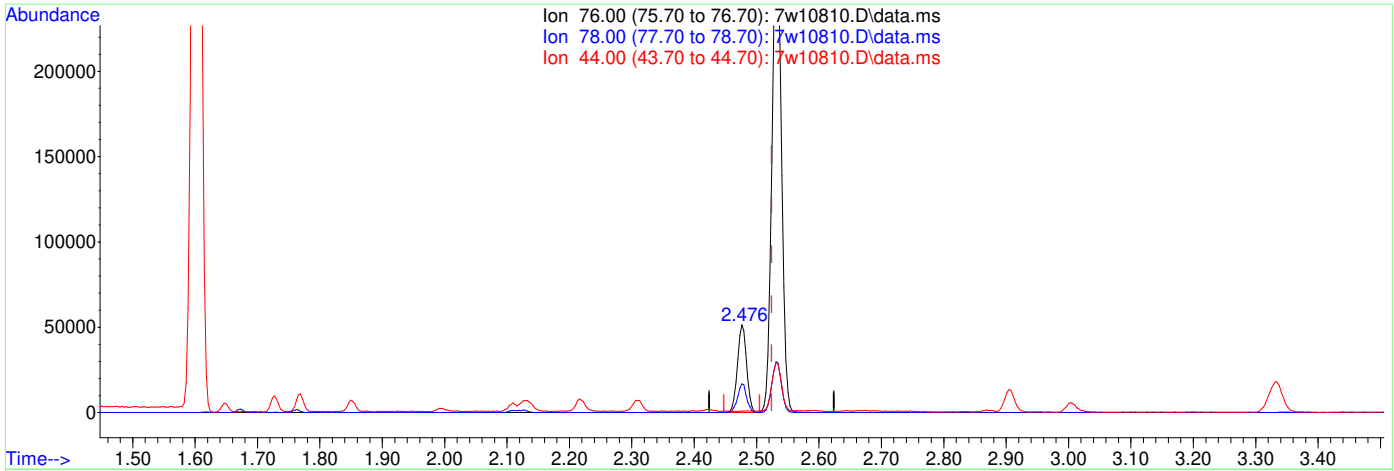
**Sample Number:** V7W394-CC305 **Method:** TO-15
**Lab FileID:** 7W10810.D **Analyst approved:** 11/30/24 15:58 Benjamin Kim
**Injection Time:** 11/27/24 18:54 **Supervisor approved:** 12/03/24 17:38 Kanya Veerawat

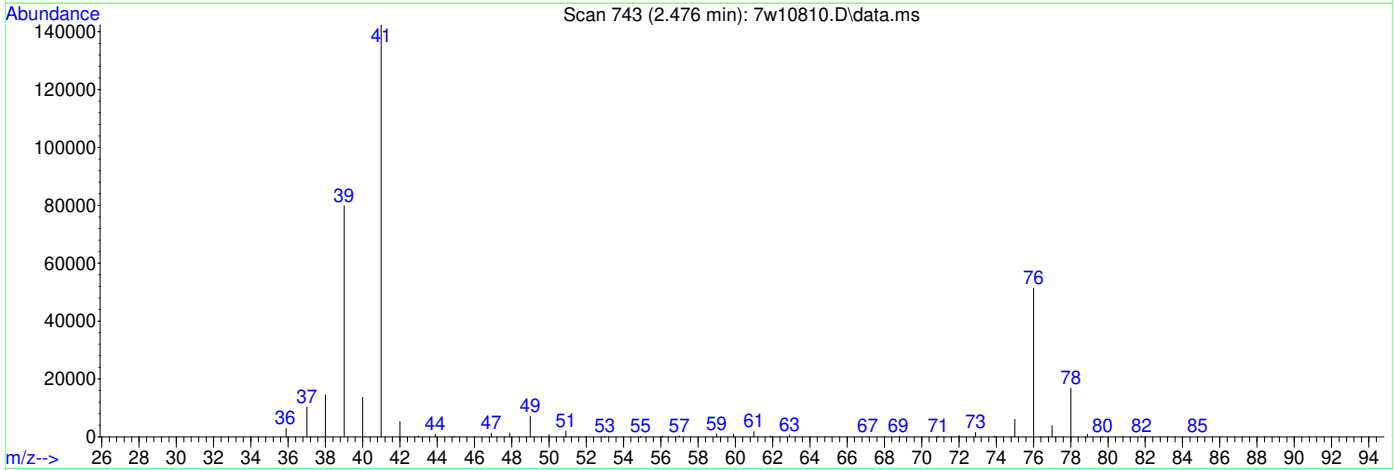
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Carbon disulfide | 75-15-0 | | 2.53 | Missed peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:28 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10810.D\data.ms

(27) CARBON DISULFIDE (T)

2.476min (-0.048) 2.05PPBV

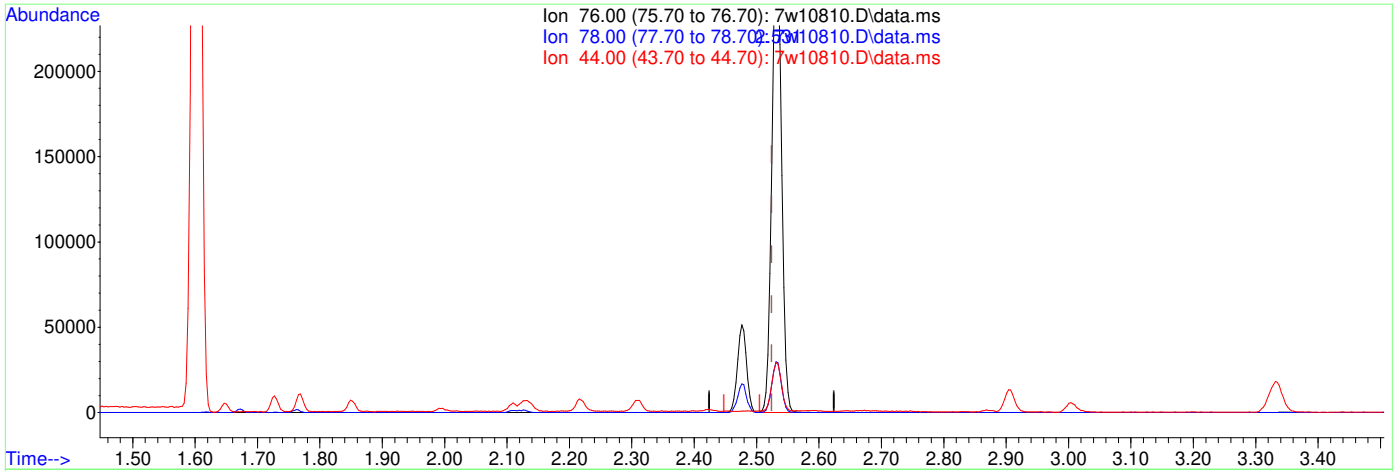
response 52784

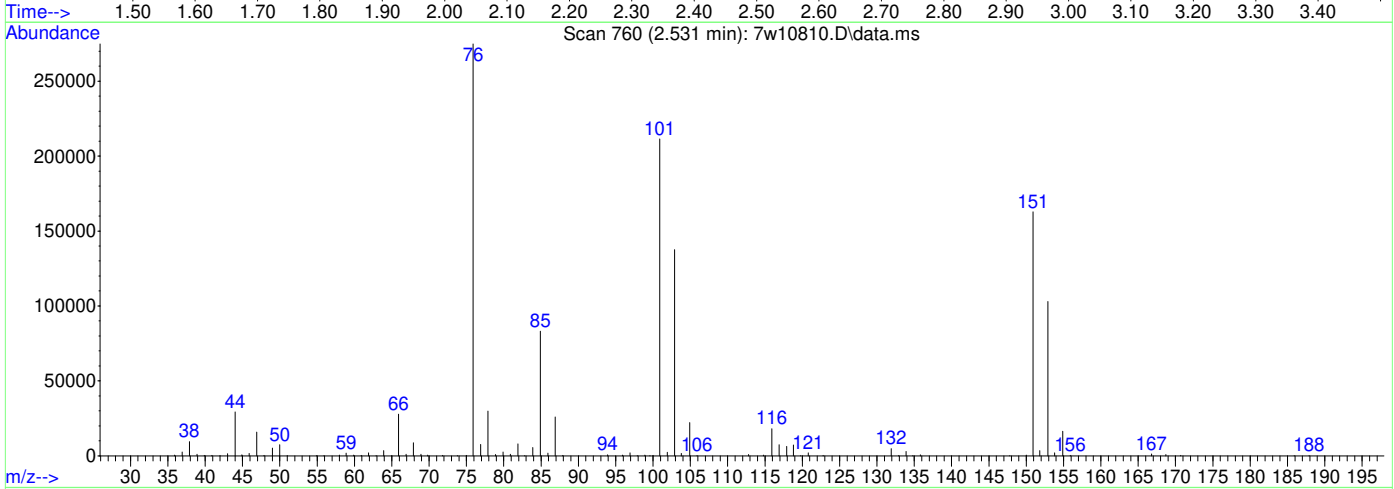
| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 32.44# |
| 44.00 | 19.10 | 0.52# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w10810.D
Acq On : 27 Nov 2024 6:54 pm
Operator : benk
Sample : cc305-10
Misc : MS87455,v7w394,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 27 19:20:28 2024
Quant Method : C:\msdchem\1\methods\M7W305.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Thu Aug 29 00:13:42 2024
Response via : Initial Calibration




TIC: 7w10810.D\data.ms

(27) CARBON DISULFIDE (T)

2.531min (+0.007) 11.45PPBV m

response 295469

| Ion | Exp% | Act% |
|---|---|---|
| 76.00 | 100 | 100 |
| 78.00 | 11.40 | 5.79# |
| 44.00 | 19.10 | 0.09# |
| 0.00 | 0.00 | 0.00 |



7.7.27.3

7



7W10810.D edits: CARBON DISULFIDE

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

# Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.223 | 128 | 135115 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.490 | 114 | 681342 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.029 | 117 | 623287 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.223 | 128 | 135115 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 446738 | 9.86 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 481 | 0.04 | PPBV | | 97 |
| 3) FREON 152A | 1.628 | 65 | 207m | 0.03 | PPBV | | |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 132 | 0.04 | PPBV | # | 40 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 547 | 0.03 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.666 | 85 | 1186 | 0.03 | PPBV | # | 87 |
| 7) PROPYLENE | 1.650 | 41 | 502 | 0.06 | PPBV | # | 60 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 979 | 0.04 | PPBV | # | 71 |
| 9) FREON 114 | 1.737 | 85 | 987 | 0.04 | PPBV | | 93 |
| 10) CHLOROMETHANE | 1.711 | 52 | 181 | 0.05 | PPBV | | 81 |
| 11) VINYL CHLORIDE | 1.773 | 62 | 372 | 0.03 | PPBV | # | 81 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 595 | 0.07 | PPBV | # | 22 |
| 13) N-BUTANE | 1.824 | 43 | 1027 | 0.06 | PPBV | # | 1 |
| 14) BROMOMETHANE | 1.882 | 94 | 453 | 0.05 | PPBV | # | 61 |
| 15) CHLOROETHANE | 1.933 | 64 | 271 | 0.04 | PPBV | | 85 |
| 16) DICHLOROFLUOROMETHANE | 1.959 | 67 | 870 | 0.04 | PPBV | | 95 |
| 17) ACETONITRILE | 2.027 | 41 | 415m | 0.04 | PPBV | | |
| 18) ACROLEIN | 2.062 | 56 | 289m | 0.05 | PPBV | | |
| 19) FREON 123 | 2.072 | 83 | 1077 | 0.04 | PPBV | | 89 |
| 20) FREON 123A | 2.091 | 117 | 665 | 0.04 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 993 | 0.03 | PPBV | # | 84 |
| 22) ISOPROPYL ALCOHOL | 2.187 | 45 | 1113 | 0.04 | PPBV | # | 64 |
| 23) ACETONE | 2.104 | 58 | 492 | 0.07 | PPBV | | 82 |
| 24) PENTANE | 2.271 | 42 | 559 | 0.05 | PPBV | # | 43 |
| 25) IODOMETHANE | 2.332 | 142 | 957 | 0.03 | PPBV | | 95 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 627 | 0.06 | PPBV | # | 63 |
| 27) CARBON DISULFIDE | 2.490 | 76 | 1027 | 0.03 | PPBV | # | 66 |
| 28) ETHANOL | 1.966 | 45 | 1506 | 0.14 | PPBV | | 93 |
| 29) BROMOETHENE | 2.030 | 106 | 456 | 0.04 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.239 | 52 | 746 | 0.08 | PPBV | # | 70 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 1398 | 0.12 | PPBV | | 88 |
| 32) 3-CHLOROPROPENE | 2.435 | 76 | 208 | 0.04 | PPBV | # | 25 |
| 33) FREON 113 | 2.490 | 151 | 596 | 0.03 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.721 | 96 | 582 | 0.05 | PPBV | # | 66 |
| 35) TERTIARY BUTYL ALCOHOL | 2.400 | 59 | 999 | 0.03 | PPBV | # | 29 |
| 36) METHYL TERTIARY BUTYL ... | 2.830 | 73 | 1395 | 0.04 | PPBV | # | 68 |
| 37) TETRAHYDROFURAN | 3.544 | 72 | 121 | 0.02 | PPBV | # | 1 |
| 38) HEXANE | 3.281 | 57 | 1034 | 0.05 | PPBV | | 80 |
| 39) VINYL ACETATE | 2.859 | 86 | 94 | 0.03 | PPBV | # | 1 |
| 40) 1,1-DICHLOROETHANE | 2.789 | 63 | 752 | 0.03 | PPBV | # | 70 |
| 41) METHYL ETHYL KETONE | 2.969 | 72 | 186 | 0.03 | PPBV | # | 1 |
| 42) CIS-1,2-DICHLOROETHENE | 3.149 | 96 | 425 | 0.03 | PPBV | | 94 |
| 43) DIISOPROPYL ETHER | 3.287 | 59 | 224 | 0.04 | PPBV | | 89 |
| 44) ETHYL ACETATE | 3.303 | 61 | 143 | 0.03 | PPBV | # | 59 |
| 45) METHYL ACRYLATE | 3.281 | 55 | 833 | 0.03 | PPBV | # | 88 |
| 46) CHLOROFORM | 3.293 | 83 | 952 | 0.04 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.782 | 57 | 1020 | 0.04 | PPBV | | 92 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 955 | 0.04 | PPBV | | 92 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 740 | 0.03 | PPBV | | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 665 | 0.04 | PPBV | # | 91 |
| 51) BENZENE | 4.174 | 78 | 1541 | 0.04 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.371 | 84 | 625 | 0.04 | PPBV | # | 75 |
| 54) 2,3-DIMETHYLPENTANE | 4.628 | 71 | 389 | 0.05 | PPBV | # | 97 |
| 55) TRICHLOROETHENE | 5.062 | 95 | 555 | 0.03 | PPBV | | 96 |
| 56) 1,2-DICHLOROPROPANE | 4.827 | 63 | 530 | 0.04 | PPBV | # | 83 |
| 57) DIBROMOMETHANE | 4.785 | 174 | 759 | 0.05 | PPBV | | 93 |
| 58) ETHYL ACRYLATE | 4.965 | 55 | 1009 | 0.03 | PPBV | # | 95 |
| 59) BROMODICHLOROMETHANE | 4.998 | 83 | 901 | 0.03 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.152 | 57 | 2462 | 0.04 | PPBV | # | 89 |
| 61) 1,4-DIOXANE | 5.226 | 88 | 244 | 0.02 | PPBV | # | 47 |
| 62) HEPTANE | 5.470 | 43 | 805 | 0.03 | PPBV | # | 77 |
| 63) METHYL METHACRYLATE | 5.370 | 69 | 643 | 0.04 | PPBV | # | 76 |
| 64) METHYL ISOBUTYL KETONE | 6.133 | 58 | 435 | 0.03 | PPBV | # | 81 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.994 | 75 | 735 | 0.03 | PPBV | # | 73 |
| 66) TOLUENE | 7.187 | 91 | 2041 | 0.04 | PPBV | | 89 |
| 67) 1,3-DICHLOROPROPANE | 7.239 | 76 | 755 | 0.03 | PPBV | # | 74 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 643 | 0.03 | PPBV | | 97 |
| 69) 1,1,2-TRICHLOROETHANE | 6.827 | 83 | 477 | 0.04 | PPBV | | 100 |
| 70) 2-HEXANONE | 7.817 | 58 | 587 | 0.03 | PPBV | # | 59 |
| 71) ETHYL METHACRYLATE | 7.904 | 69 | 1154 | 0.05 | PPBV | # | 84 |
| 72) TETRACHLOROETHENE | 8.904 | 164 | 711 | 0.04 | PPBV | | 95 |
| 73) DIBROMOCHLOROMETHANE | 7.721 | 129 | 828 | 0.03 | PPBV | | 94 |
| 74) 1,2-DIBROMOETHANE | 8.052 | 107 | 793 | 0.03 | PPBV | # | 96 |
| 75) OCTANE | 9.058 | 43 | 1306 | 0.04 | PPBV | | 86 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.107 | 131 | 628 | 0.03 | PPBV | # | 78 |
| 78) CHLOROBENZENE | 10.103 | 112 | 1266 | 0.03 | PPBV | | 85 |
| 79) ETHYLBENZENE | 10.988 | 91 | 2859 | 0.05 | PPBV | | 88 |
| 80) M,P-XYLENE | 11.422 | 91 | 3729m | 0.08 | PPBV | | |
| 81) O-XYLENE | 12.354 | 91 | 2008 | 0.04 | PPBV | | 98 |
| 82) STYRENE | 12.152 | 104 | 1076 | 0.03 | PPBV | | 95 |
| 83) NONANE | 13.460 | 43 | 1432 | 0.04 | PPBV | | 85 |
| 84) BROMOFORM | 11.229 | 173 | 696 | 0.03 | PPBV | # | 79 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.354 | 83 | 1109 | 0.03 | PPBV | # | 94 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.644 | 75 | 809 | 0.03 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.862 | 120 | 606 | 0.03 | PPBV | # | 68 |
| 89) BROMOBENZENE | 13.721 | 77 | 1193 | 0.03 | PPBV | # | 66 |
| 90) 2-CHLOROTOLUENE | 14.843 | 126 | 445 | 0.03 | PPBV | # | 43 |
| 91) N-PROPYLBENZENE | 15.203 | 120 | 527 | 0.03 | PPBV | | 95 |
| 92) 4-ETHYLTOLUENE | 15.647 | 105 | 2316m | 0.03 | PPBV | | |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 1967 | 0.03 | PPBV | | 92 |
| 94) ALPHA-METHYLSTYRENE | 16.216 | 118 | 852 | 0.03 | PPBV | | 90 |
| 95) TERT-BUTYLBENZENE | 16.528 | 134 | 479 | 0.03 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 2036 | 0.03 | PPBV | | 98 |
| 97) BENZYL CHLORIDE | 16.631 | 91 | 1586 | 0.03 | PPBV | | 90 |
| 98) M-DICHLOROBENZENE | 16.598 | 146 | 1203 | 0.03 | PPBV | | 90 |
| 99) P-DICHLOROBENZENE | 16.692 | 146 | 1243 | 0.03 | PPBV | | 96 |
| 100) O-DICHLOROBENZENE | 17.007 | 146 | 1290 | 0.03 | PPBV | | 95 |
| 101) SEC-BUTYLBENZENE | 16.843 | 134 | 535 | 0.03 | PPBV | | 79 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.958 | 105 | 1962 | 0.03 | PPBV | | 94 |
| 103) P-ISOPROPYLTOLUENE | 17.032 | 134 | 596 | 0.03 | PPBV | | 87 |
| 104) N-BUTYLBENZENE | 17.399 | 134 | 566 | 0.03 | PPBV | | 83 |
| 105) HEXACHLOROETHANE | 17.576 | 117 | 628 | 0.03 | PPBV | | 91 |
| 106) HEXACHLOROBUTADIENE | 18.634 | 225 | 926 | 0.03 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.325 | 180 | 996 | 0.03 | PPBV | | 94 |
| 108) NAPHTHALENE | 18.376 | 128 | 2159 | 0.03 | PPBV | | 97 |
| 110) TVHC as equiv Pentane | 2.268 | TIC | 2517m | 0.04 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration

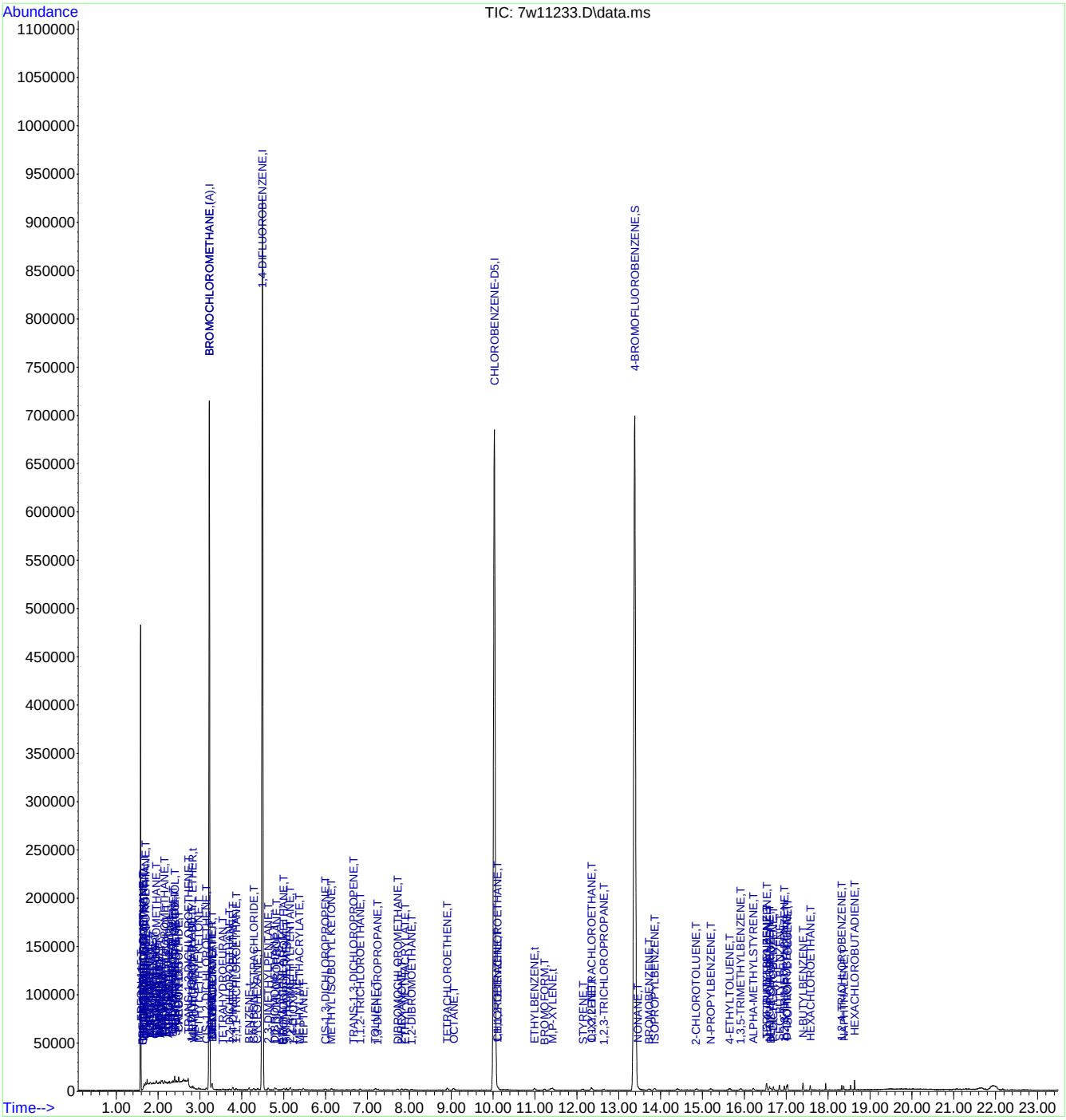
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:36:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



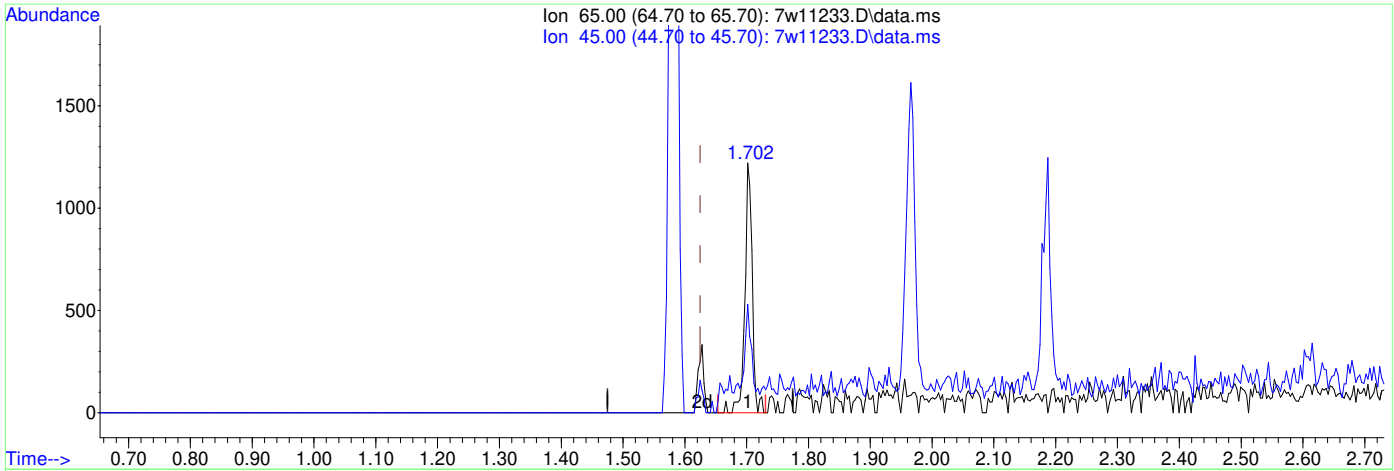
**Sample Number:** V7W405-IC405 **Method:** TO-15
**Lab FileID:** 7W11233.D **Analyst approved:** 12/30/24 00:11 Kanya Veerawat
**Injection Time:** 12/28/24 09:16 **Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

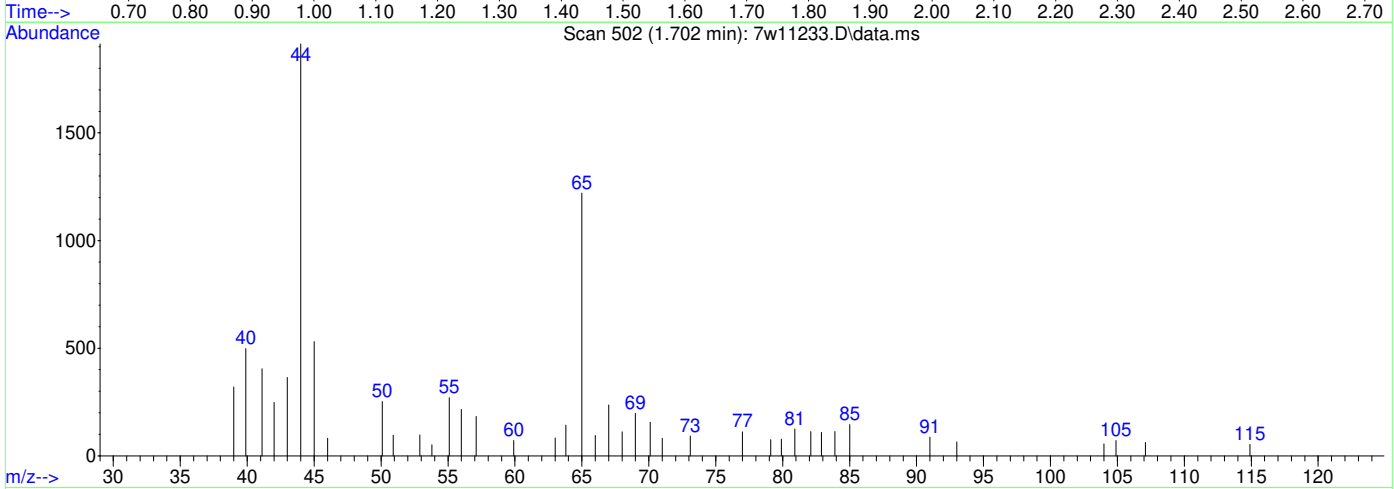
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Freon 152A | 75-37-6 | | 1.63 | Missed peak |
| Acetonitrile | 75-05-8 | | 2.03 | Poor instrument integration |
| Acrolein | 107-02-8 | | 2.06 | Missed peak |
| TVHC As Equiv Pentane | | | 2.27 | Missed peak |
| m,p-Xylene | | | 11.42 | Split peak |
| 4-Ethyltoluene | 622-96-8 | | 15.65 | Split peak |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.702min (+0.077) 0.15PPBV

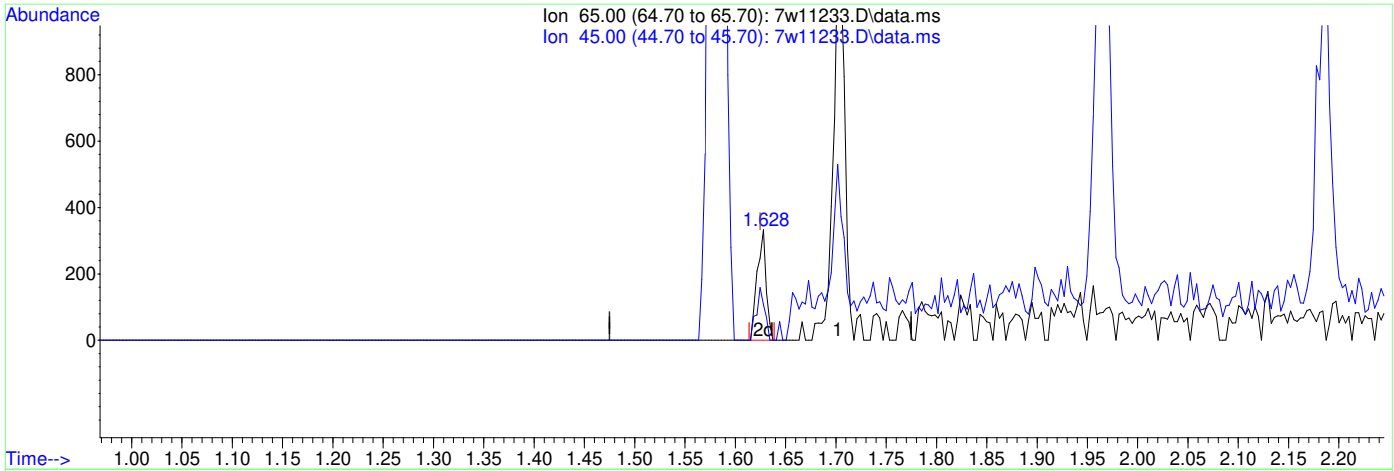
response 989

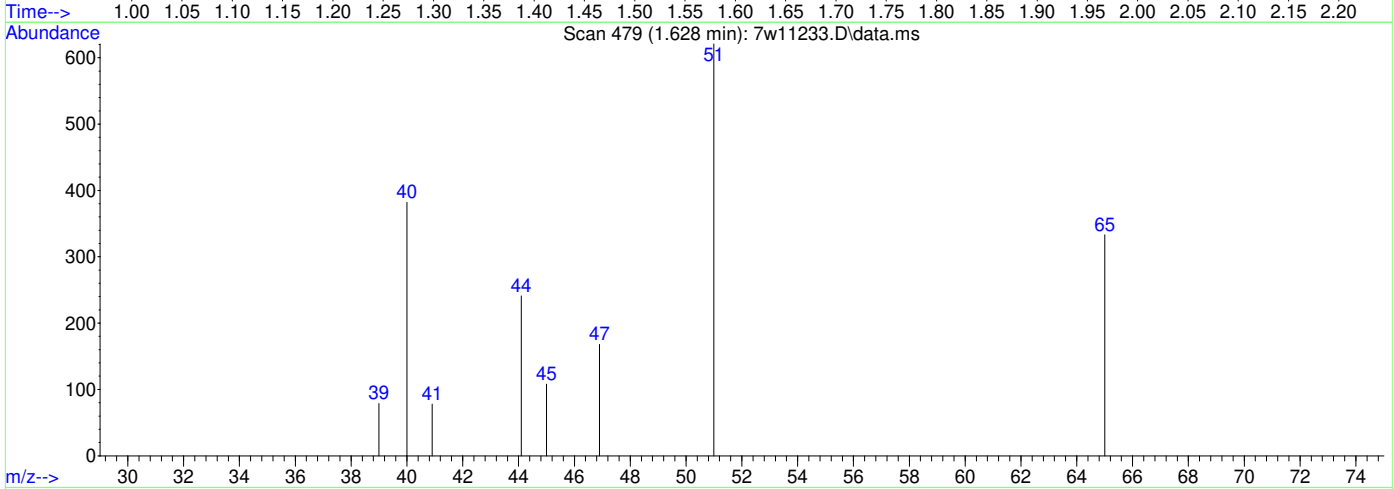
| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 33.60 | 34.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(3) FREON 152A (T)

1.628min (+0.003) 0.03PPBV m

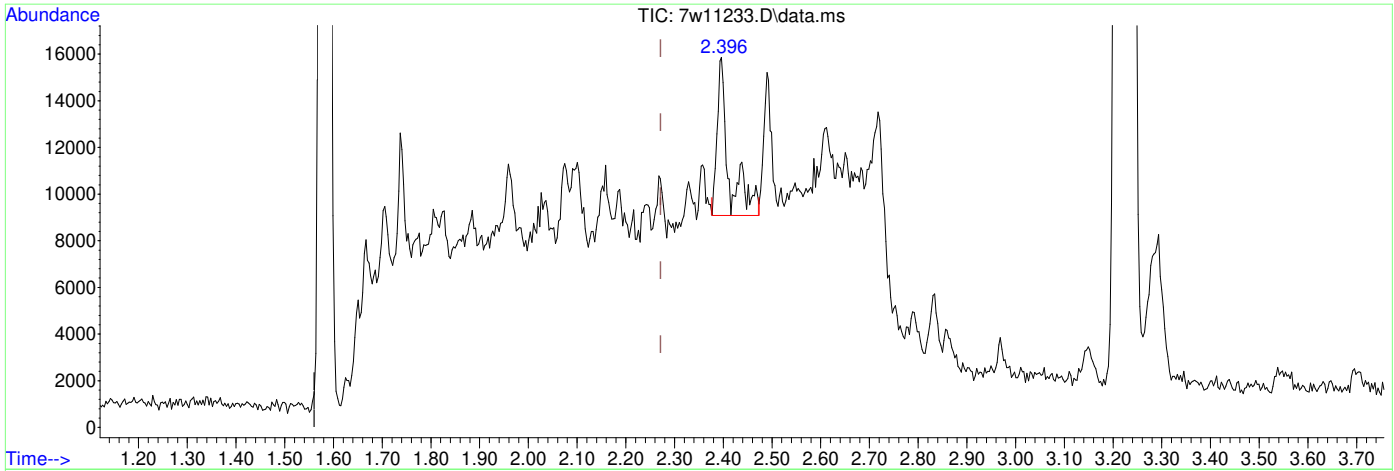
response 207

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100 | 100 |
| 45.00 | 33.60 | 163.29# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.396min (+0.125) 0.20PPBV

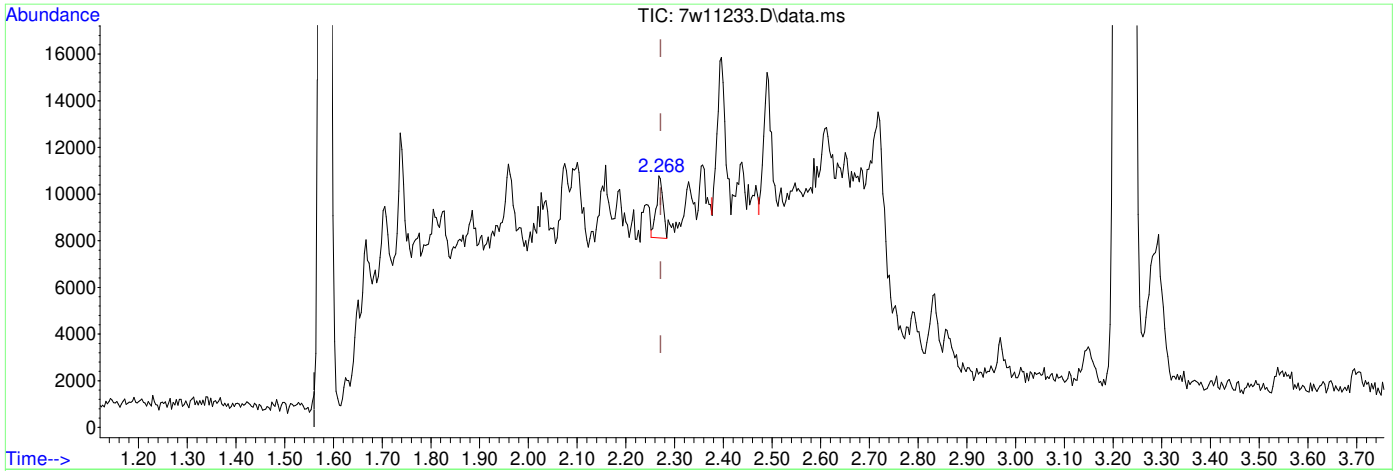
response 11422

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:15:10 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(110) TVHC as equiv Pentane

2.268min (-0.003) 0.04PPBV m

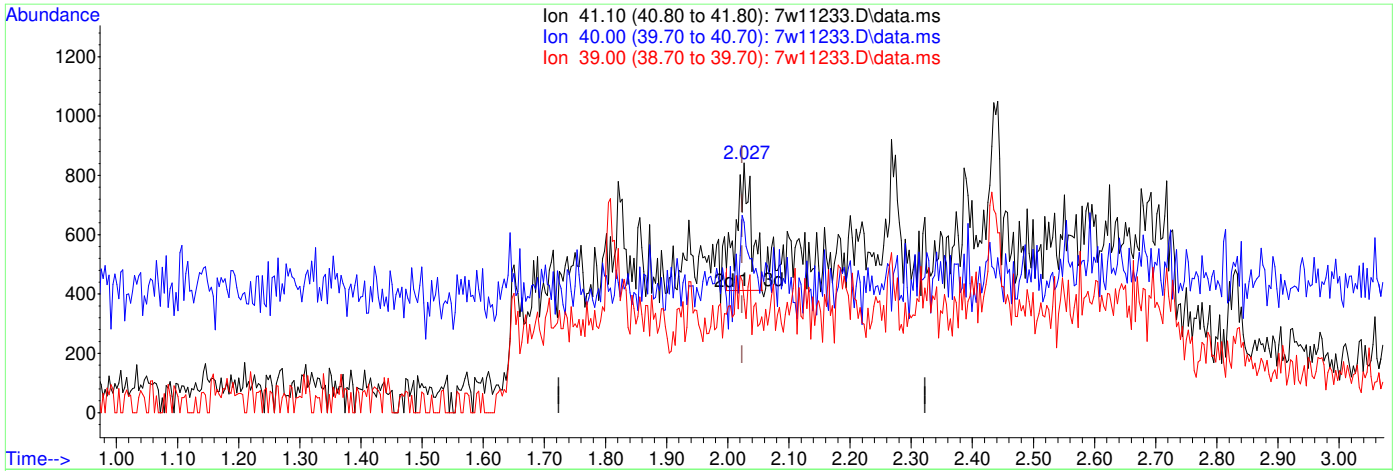
response 2517

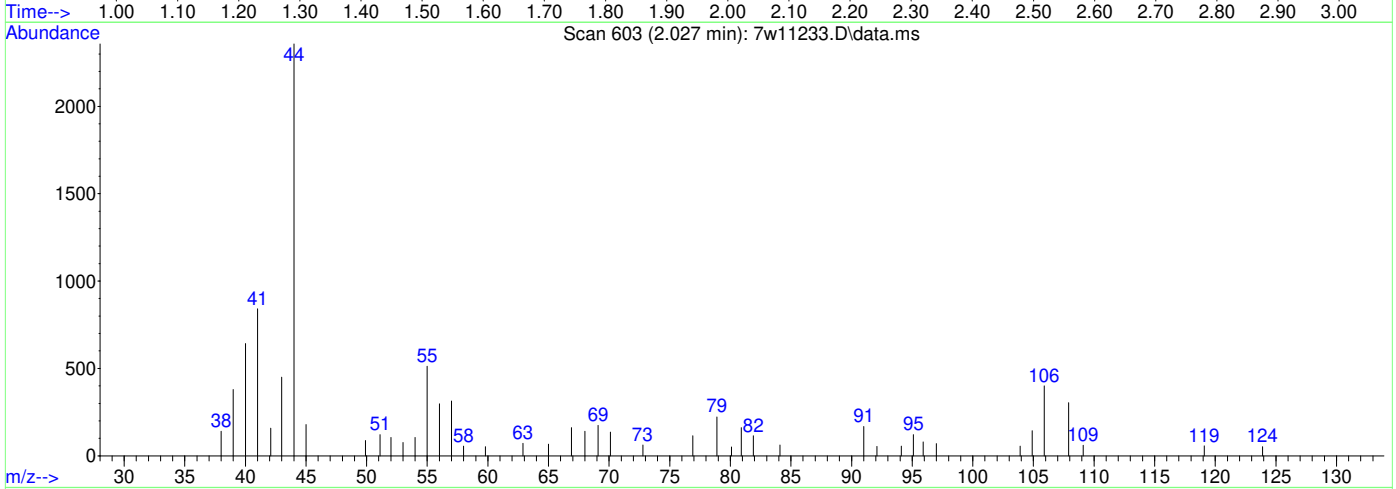
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.07PPBV

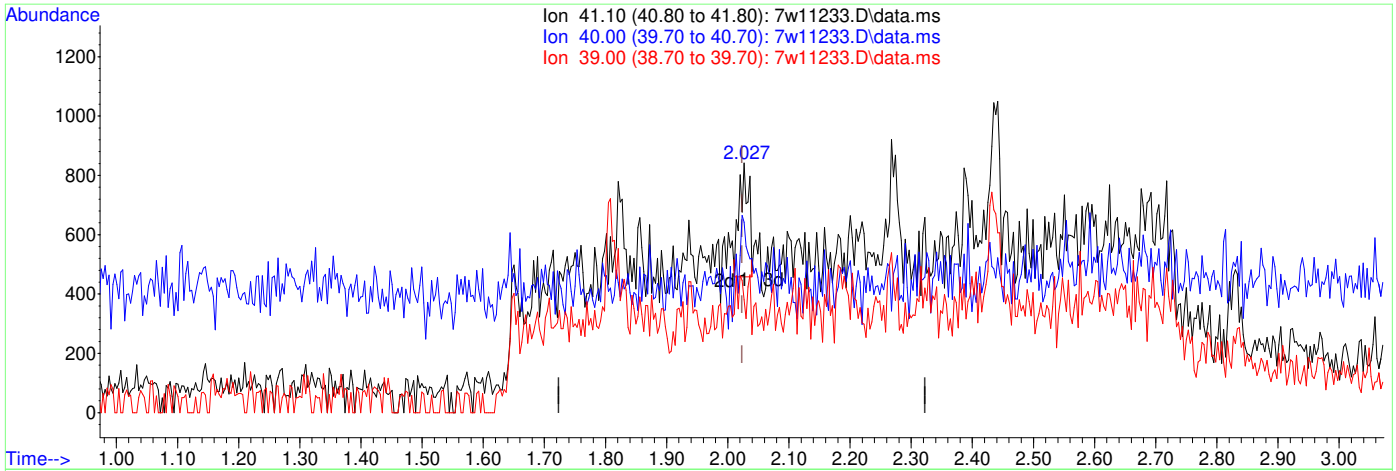
response 727

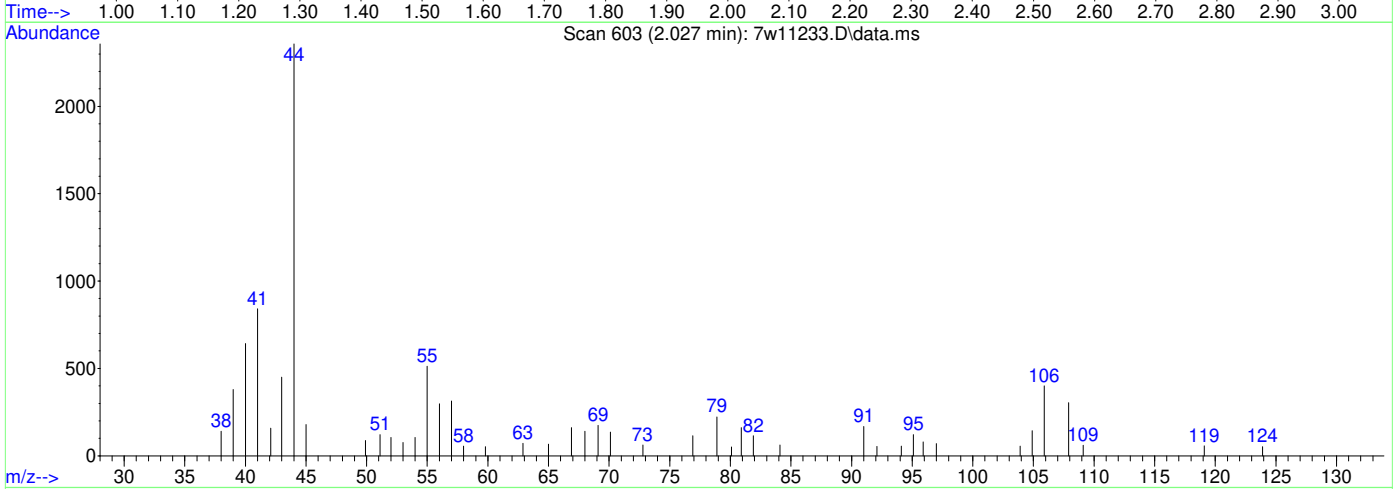
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.20 | 57.91 |
| 39.00 | 19.70 | 37.96# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(17) ACETONITRILE (T)

2.027min (+0.004) 0.04PPBV m

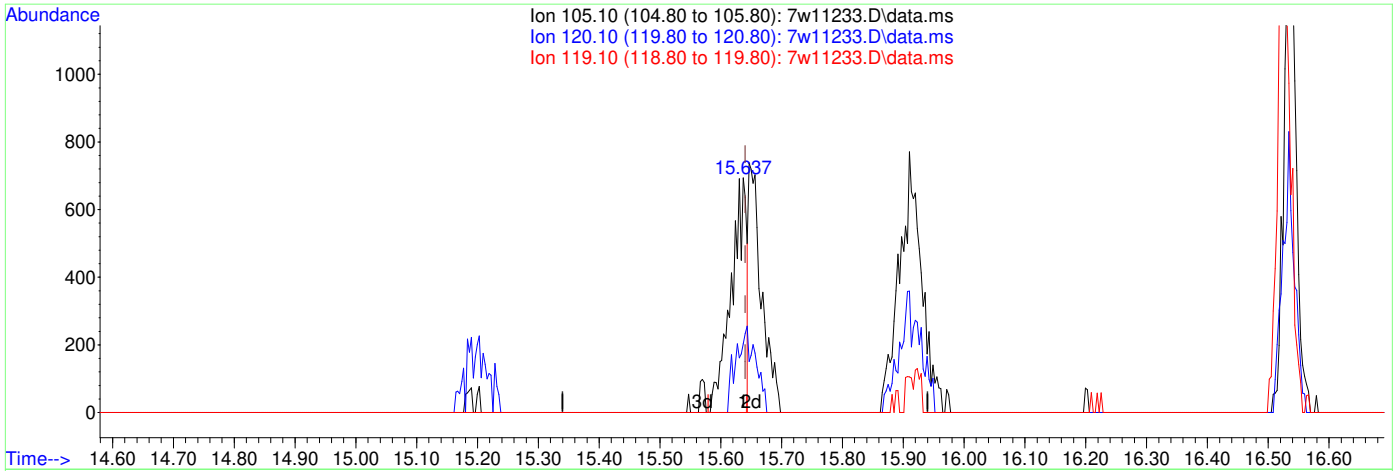
response 415

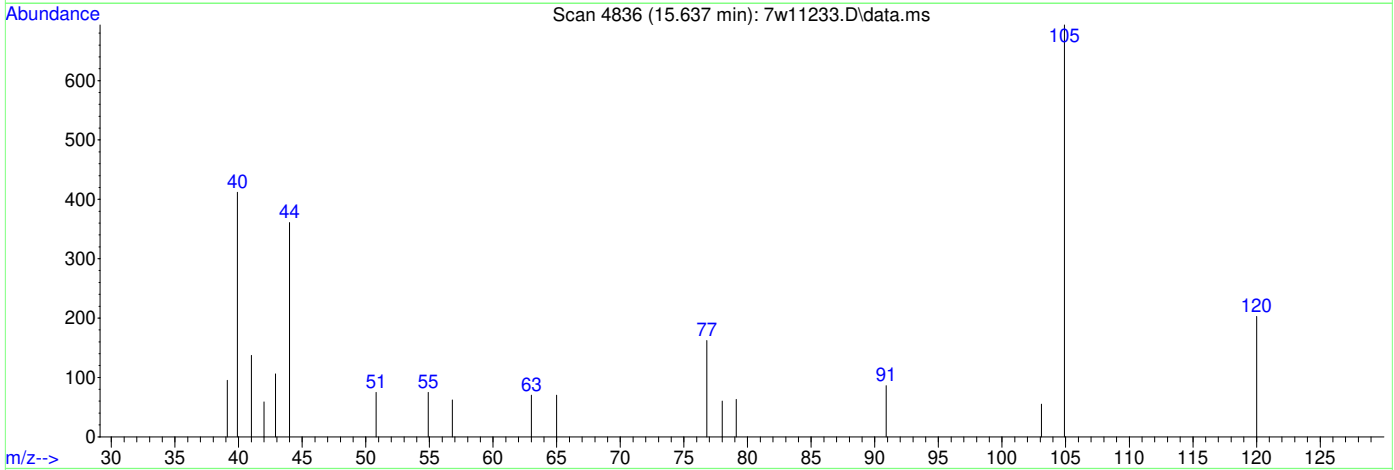
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.20 | 101.45# |
| 39.00 | 19.70 | 66.51# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.637min (-0.003) 0.02PPBV

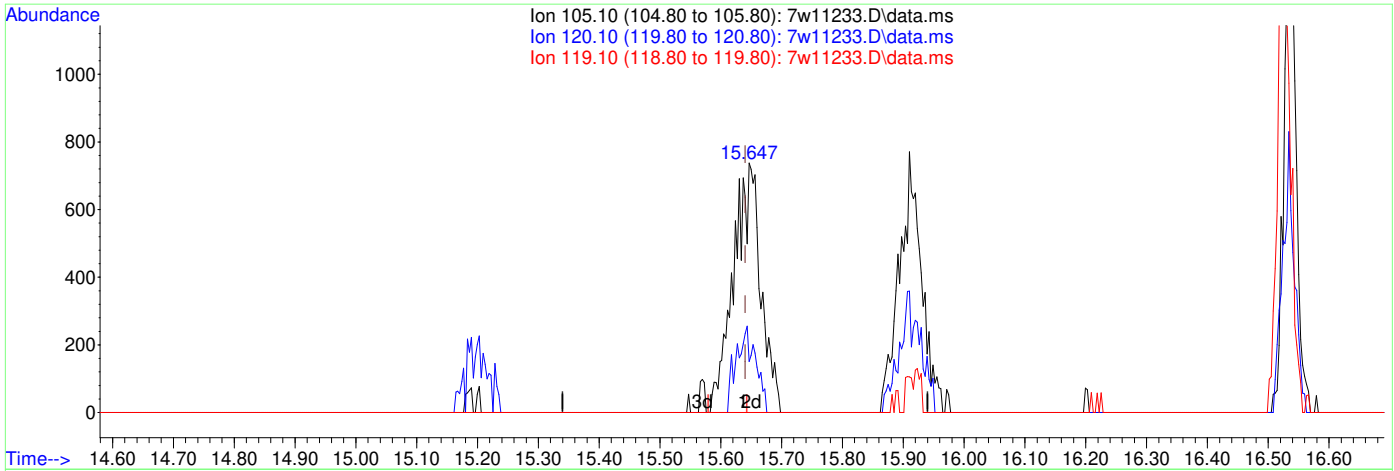
response 1228

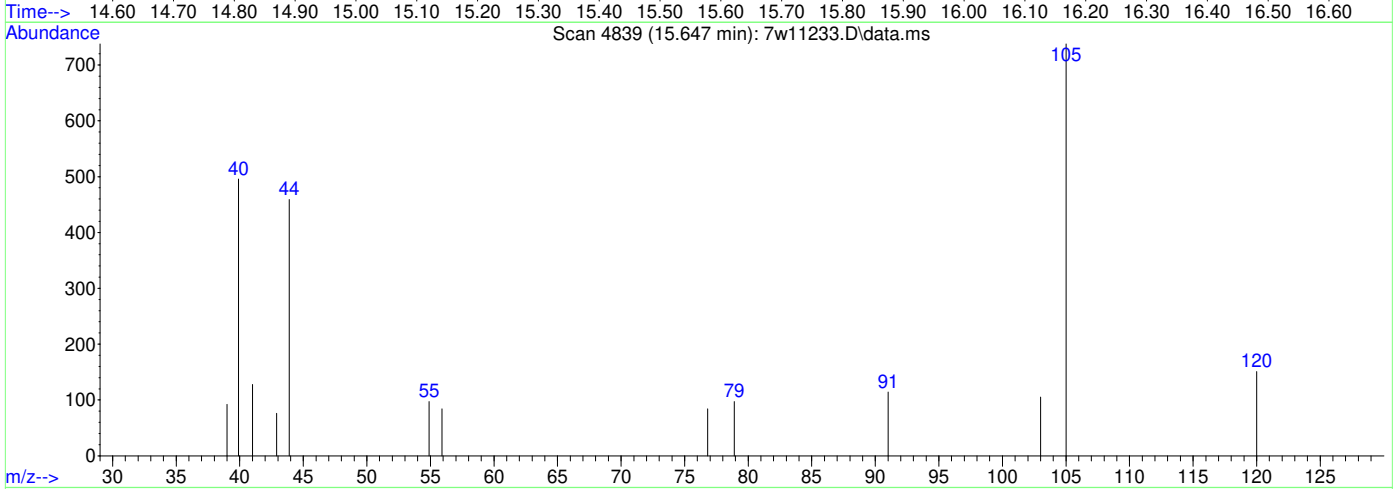
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 30.10 | 45.68# |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:17:36 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(92) 4-ETHYLTOLUENE (T)

15.647min (+0.007) 0.03PPBV m

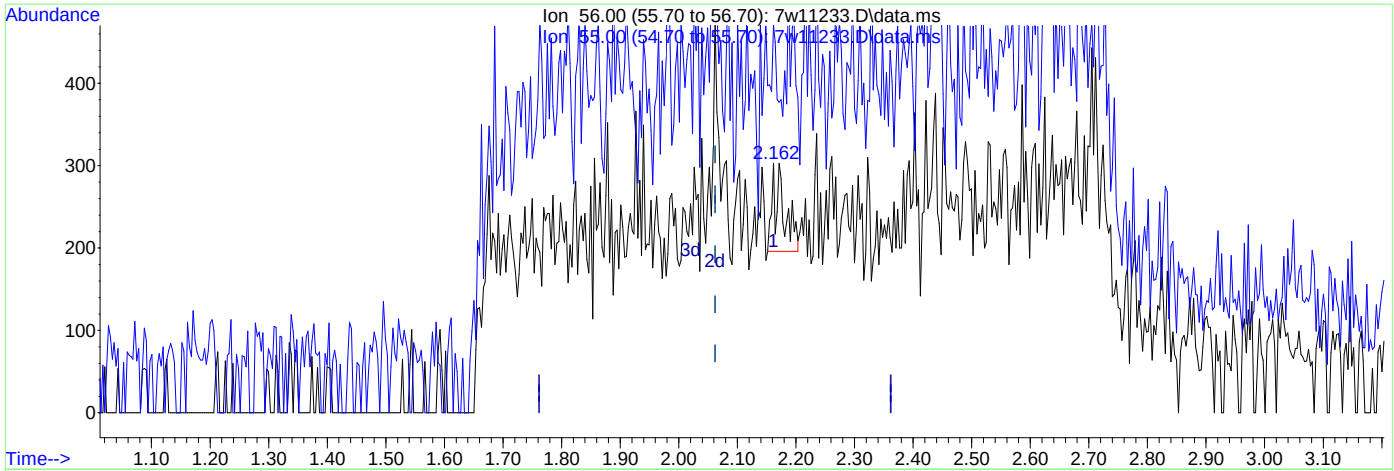
response 2316

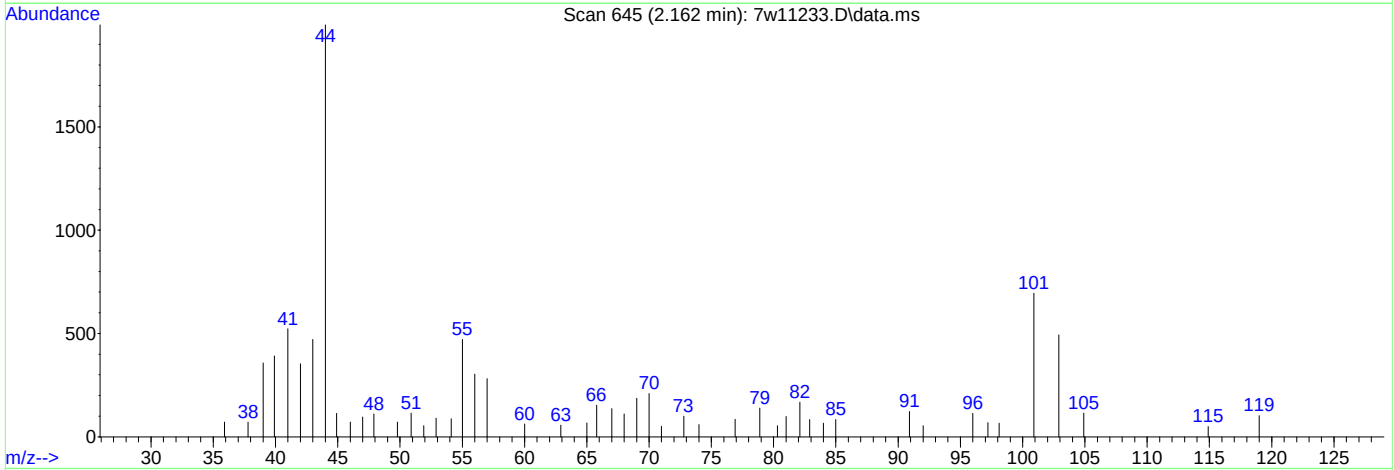
| Ion | Exp% | Act% |
|---|---|---|
| 105.10 | 100 | 100 |
| 120.10 | 30.10 | 24.22 |
| 119.10 | 2.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.162min (+0.100) 0.03PPBV

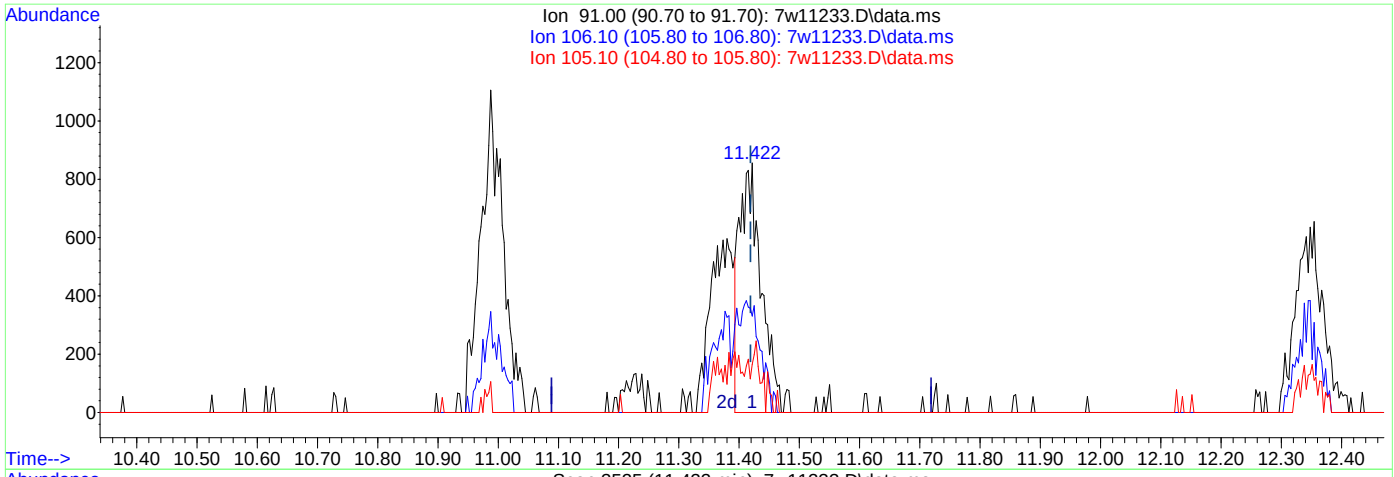
response 143

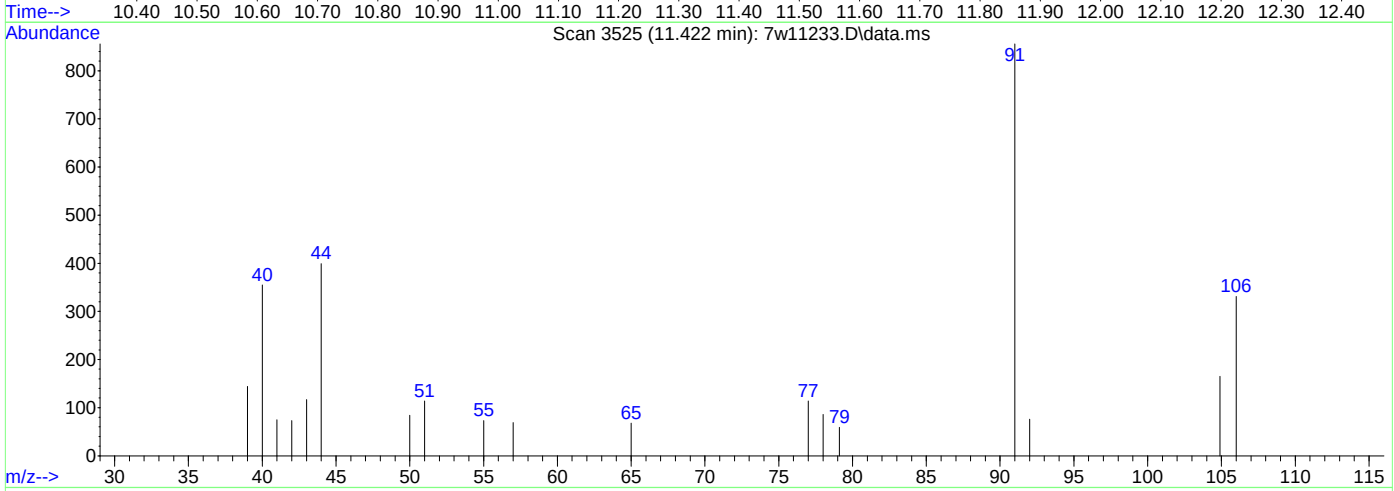
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 55.00 | 71.80 | 65.03 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.04PPBV

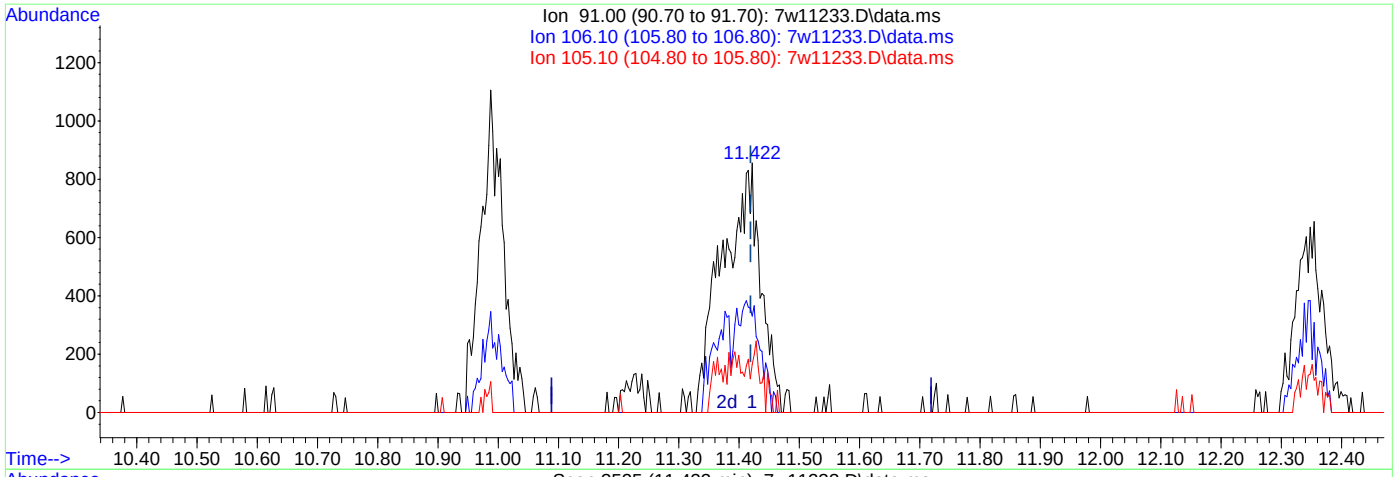
response 2127

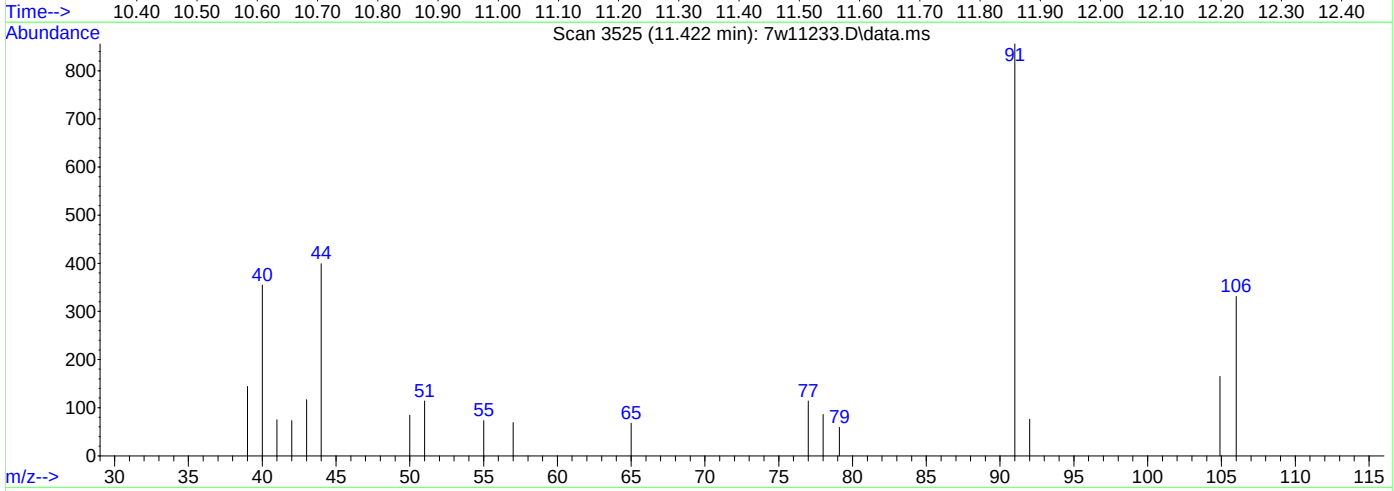
| Ion | Exp% | Act% |
|---|---|---|
| 91.00 | 100 | 100 |
| 106.10 | 25.50 | 50.49 |
| 105.10 | 11.70 | 12.41 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:25:49 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(80) M,P-XYLENE (t)

11.422min (+0.003) 0.08PPBV m

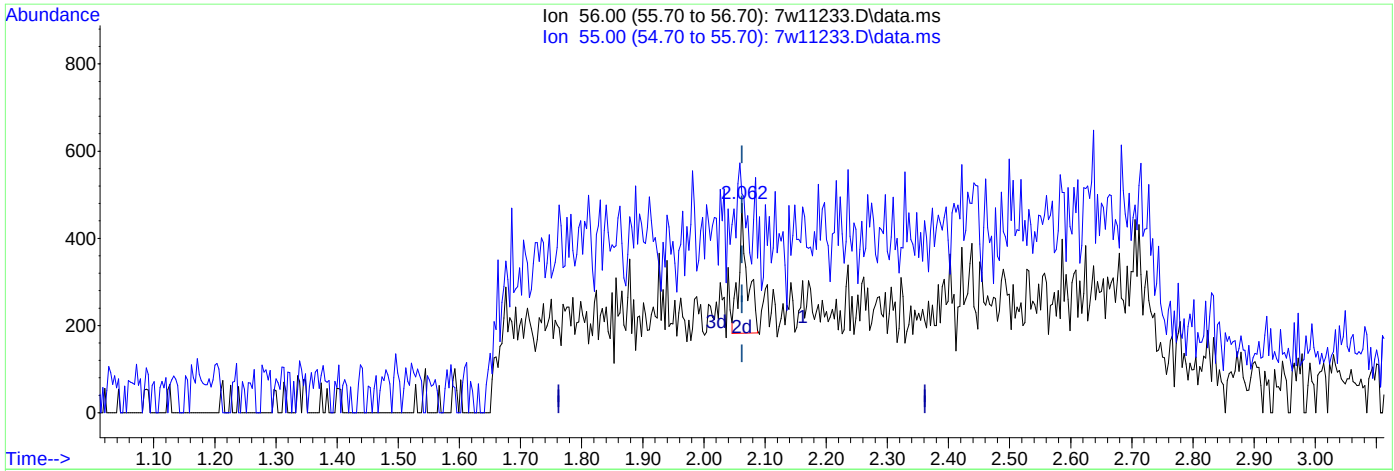
response 3729

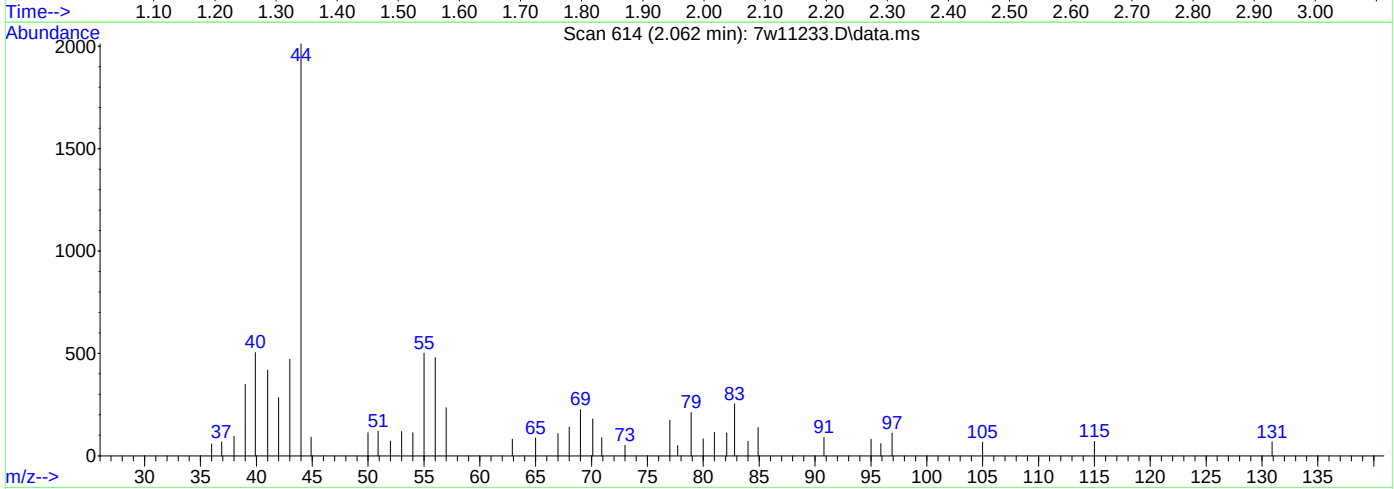
| Ion | Exp% | Act% |
|---|---|---|
| 91.00 | 100 | 100 |
| 106.10 | 25.50 | 28.80 |
| 105.10 | 11.70 | 7.08 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11233.D
Acq On : 28 Dec 2024 9:16 am
Operator : benk
Sample : ic405-0.04
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 19:34:06 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 06:12:48 2024
Response via : Initial Calibration




TIC: 7w11233.D\data.ms

(18) ACROLEIN (T)

2.062min (-0.000) 0.05PPBV m

response 289

| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 55.00 | 71.80 | 32.18# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.223 | 128 | 133584 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.490 | 114 | 679369 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.030 | 117 | 626077 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.223 | 128 | 133584 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 448796 | 9.85 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.599 | 119 | 1552 | 0.14 | PPBV | | 98 |
| 3) FREON 152A | 1.628 | 65 | 700 | 0.11 | PPBV | | 96 |
| 4) CHLORODIFLUOROMETHANE | 1.641 | 67 | 367 | 0.11 | PPBV | # | 66 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 1669 | 0.11 | PPBV | | 94 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 3743 | 0.11 | PPBV | | 99 |
| 7) PROPYLENE | 1.651 | 41 | 1091m | 0.13 | PPBV | | |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 2788 | 0.11 | PPBV | # | 83 |
| 9) FREON 114 | 1.741 | 85 | 3060 | 0.11 | PPBV | | 98 |
| 10) CHLOROMETHANE | 1.712 | 52 | 455m | 0.14 | PPBV | | |
| 11) VINYL CHLORIDE | 1.770 | 62 | 1144 | 0.10 | PPBV | | 95 |
| 12) 1,3-BUTADIENE | 1.811 | 54 | 1147 | 0.13 | PPBV | # | 68 |
| 13) N-BUTANE | 1.827 | 43 | 1929m | 0.12 | PPBV | | |
| 14) BROMOMETHANE | 1.885 | 94 | 1136 | 0.12 | PPBV | # | 83 |
| 15) CHLOROETHANE | 1.930 | 64 | 691 | 0.12 | PPBV | # | 71 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 2693 | 0.11 | PPBV | | 94 |
| 17) ACETONITRILE | 2.027 | 41 | 1548 | 0.15 | PPBV | # | 84 |
| 18) ACROLEIN | 2.065 | 56 | 638m | 0.12 | PPBV | | |
| 19) FREON 123 | 2.078 | 83 | 3192 | 0.13 | PPBV | | 87 |
| 20) FREON 123A | 2.091 | 117 | 2008 | 0.13 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 3264 | 0.11 | PPBV | # | 92 |
| 22) ISOPROPYL ALCOHOL | 2.188 | 45 | 3122 | 0.13 | PPBV | # | 76 |
| 23) ACETONE | 2.110 | 58 | 1248m | 0.19 | PPBV | | |
| 24) PENTANE | 2.271 | 42 | 1433m | 0.12 | PPBV | | |
| 25) IODOMETHANE | 2.332 | 142 | 3029 | 0.11 | PPBV | | 97 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 1516 | 0.14 | PPBV | | 79 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 3182 | 0.11 | PPBV | # | 63 |
| 28) ETHANOL | 1.966 | 45 | 2393m | 0.26 | PPBV | | |
| 29) BROMOETHENE | 2.033 | 106 | 1269 | 0.12 | PPBV | # | 84 |
| 30) ACRYLONITRILE | 2.239 | 52 | 1573m | 0.18 | PPBV | | |
| 31) METHYLENE CHLORIDE | 2.393 | 84 | 2203 | 0.21 | PPBV | | 90 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 654 | 0.12 | PPBV | # | 87 |
| 33) FREON 113 | 2.490 | 151 | 1957 | 0.11 | PPBV | | 96 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 1459 | 0.13 | PPBV | | 86 |
| 35) TERTIARY BUTYL ALCOHOL | 2.397 | 59 | 3058 | 0.11 | PPBV | # | 78 |
| 36) METHYL TERTIARY BUTYL ... | 2.831 | 73 | 3948 | 0.11 | PPBV | # | 70 |
| 37) TETRAHYDROFURAN | 3.538 | 72 | 560 | 0.10 | PPBV | # | 65 |
| 38) HEXANE | 3.271 | 57 | 2759 | 0.13 | PPBV | | 96 |
| 39) VINYL ACETATE | 2.863 | 86 | 397 | 0.12 | PPBV | # | 83 |
| 40) 1,1-DICHLOROETHANE | 2.789 | 63 | 2465 | 0.11 | PPBV | # | 86 |
| 41) METHYL ETHYL KETONE | 2.966 | 72 | 741 | 0.12 | PPBV | # | 92 |
| 42) CIS-1,2-DICHLOROETHENE | 3.146 | 96 | 1475 | 0.12 | PPBV | | 91 |
| 43) DIISOPROPYL ETHER | 3.287 | 59 | 769 | 0.13 | PPBV | | 81 |
| 44) ETHYL ACETATE | 3.297 | 61 | 485 | 0.11 | PPBV | | 95 |
| 45) METHYL ACRYLATE | 3.278 | 55 | 2955 | 0.12 | PPBV | # | 99 |
| 46) CHLOROFORM | 3.297 | 83 | 2743 | 0.11 | PPBV | | 95 |
| 47) 2,4-DIMETHYLPENTANE | 3.782 | 57 | 2893 | 0.12 | PPBV | | 93 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 2969 | 0.11 | PPBV | | 97 |
| 49) CARBON TETRACHLORIDE | 4.278 | 117 | 2520 | 0.09 | PPBV | | 94 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.699 | 62 | 2071 | 0.11 | PPBV | | 96 |
| 51) BENZENE | 4.175 | 78 | 4275 | 0.12 | PPBV | | 97 |
| 53) CYCLOHEXANE | 4.377 | 84 | 1762 | 0.11 | PPBV | # | 73 |
| 54) 2,3-DIMETHYLPENTANE | 4.628 | 71 | 937 | 0.11 | PPBV | | 75 |
| 55) TRICHLOROETHENE | 5.059 | 95 | 1922 | 0.11 | PPBV | | 93 |
| 56) 1,2-DICHLOROPROPANE | 4.827 | 63 | 1621 | 0.11 | PPBV | | 97 |
| 57) DIBROMOMETHANE | 4.782 | 174 | 1996 | 0.13 | PPBV | | 95 |
| 58) ETHYL ACRYLATE | 4.959 | 55 | 3251 | 0.10 | PPBV | # | 88 |
| 59) BROMODICHLOROMETHANE | 5.004 | 83 | 2919 | 0.10 | PPBV | | 98 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.159 | 57 | 7579 | 0.12 | PPBV | | 94 |
| 61) 1,4-DIOXANE | 5.175 | 88 | 1055m | 0.10 | PPBV | | |
| 62) HEPTANE | 5.464 | 43 | 2843 | 0.12 | PPBV | | 92 |
| 63) METHYL METHACRYLATE | 5.371 | 69 | 1757 | 0.12 | PPBV | | 96 |
| 64) METHYL ISOBUTYL KETONE | 6.130 | 58 | 1493 | 0.11 | PPBV | | 81 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.988 | 75 | 2419 | 0.10 | PPBV | | 81 |
| 66) TOLUENE | 7.181 | 91 | 5488 | 0.12 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.242 | 76 | 2335 | 0.10 | PPBV | | 94 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 2255 | 0.10 | PPBV | # | 73 |
| 69) 1,1,2-TRICHLOROETHANE | 6.818 | 83 | 1420 | 0.11 | PPBV | | 98 |
| 70) 2-HEXANONE | 7.802 | 58 | 2003 | 0.09 | PPBV | | 97 |
| 71) ETHYL METHACRYLATE | 7.901 | 69 | 2835 | 0.11 | PPBV | | 93 |
| 72) TETRACHLOROETHENE | 8.914 | 164 | 2049 | 0.11 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.724 | 129 | 2795 | 0.10 | PPBV | | 98 |
| 74) 1,2-DIBROMOETHANE | 8.046 | 107 | 2657 | 0.11 | PPBV | # | 100 |
| 75) OCTANE | 9.056 | 43 | 3709 | 0.11 | PPBV | | 94 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.113 | 131 | 2293 | 0.11 | PPBV | | 99 |
| 78) CHLOROBENZENE | 10.100 | 112 | 3912 | 0.10 | PPBV | | 94 |
| 79) ETHYLBENZENE | 10.991 | 91 | 7070 | 0.12 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.377 | 91 | 11272 | 0.23 | PPBV | | 99 |
| 81) O-XYLENE | 12.335 | 91 | 5714 | 0.12 | PPBV | | 86 |
| 82) STYRENE | 12.133 | 104 | 3697 | 0.10 | PPBV | | 97 |
| 83) NONANE | 13.457 | 43 | 3560 | 0.11 | PPBV | | 93 |
| 84) BROMOFORM | 11.226 | 173 | 2476 | 0.10 | PPBV | # | 92 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.354 | 83 | 3566 | 0.11 | PPBV | | 94 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.650 | 75 | 2613 | 0.10 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.853 | 120 | 1951 | 0.10 | PPBV | # | 75 |
| 89) BROMOBENZENE | 13.724 | 77 | 3729 | 0.11 | PPBV | | 94 |
| 90) 2-CHLOROTOLUENE | 14.849 | 126 | 1777 | 0.10 | PPBV | | 96 |
| 91) N-PROPYLBENZENE | 15.200 | 120 | 1935 | 0.10 | PPBV | # | 79 |
| 92) 4-ETHYLTOLUENE | 15.637 | 105 | 7213 | 0.10 | PPBV | # | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.911 | 105 | 6007 | 0.10 | PPBV | | 95 |
| 94) ALPHA-METHYLSTYRENE | 16.216 | 118 | 2749 | 0.09 | PPBV | | 95 |
| 95) TERT-BUTYLBENZENE | 16.528 | 134 | 1442 | 0.10 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.531 | 105 | 6050 | 0.10 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.624 | 91 | 4378 | 0.08 | PPBV | | 98 |
| 98) M-DICHLOROBENZENE | 16.599 | 146 | 3860 | 0.09 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.689 | 146 | 4056 | 0.10 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.010 | 146 | 3850 | 0.10 | PPBV | | 97 |
| 101) SEC-BUTYLBENZENE | 16.840 | 134 | 1712 | 0.10 | PPBV | | 85 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.956 | 105 | 5886 | 0.10 | PPBV | | 98 |
| 103) P-ISOPROPYLTOLUENE | 17.033 | 134 | 1960 | 0.10 | PPBV | | 100 |
| 104) N-BUTYLBENZENE | 17.393 | 134 | 1820 | 0.09 | PPBV | | 93 |
| 105) HEXACHLOROETHANE | 17.573 | 117 | 2186 | 0.09 | PPBV | | 96 |
| 106) HEXACHLOROBUTADIENE | 18.631 | 225 | 2717 | 0.10 | PPBV | | 98 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.322 | 180 | 2419 | 0.07 | PPBV | | 96 |
| 108) NAPHTHALENE | 18.370 | 128 | 5107 | 0.07 | PPBV | | 97 |
| 110) TVHC as equiv Pentane | 2.271 | TIC | 6736m | 0.12 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration

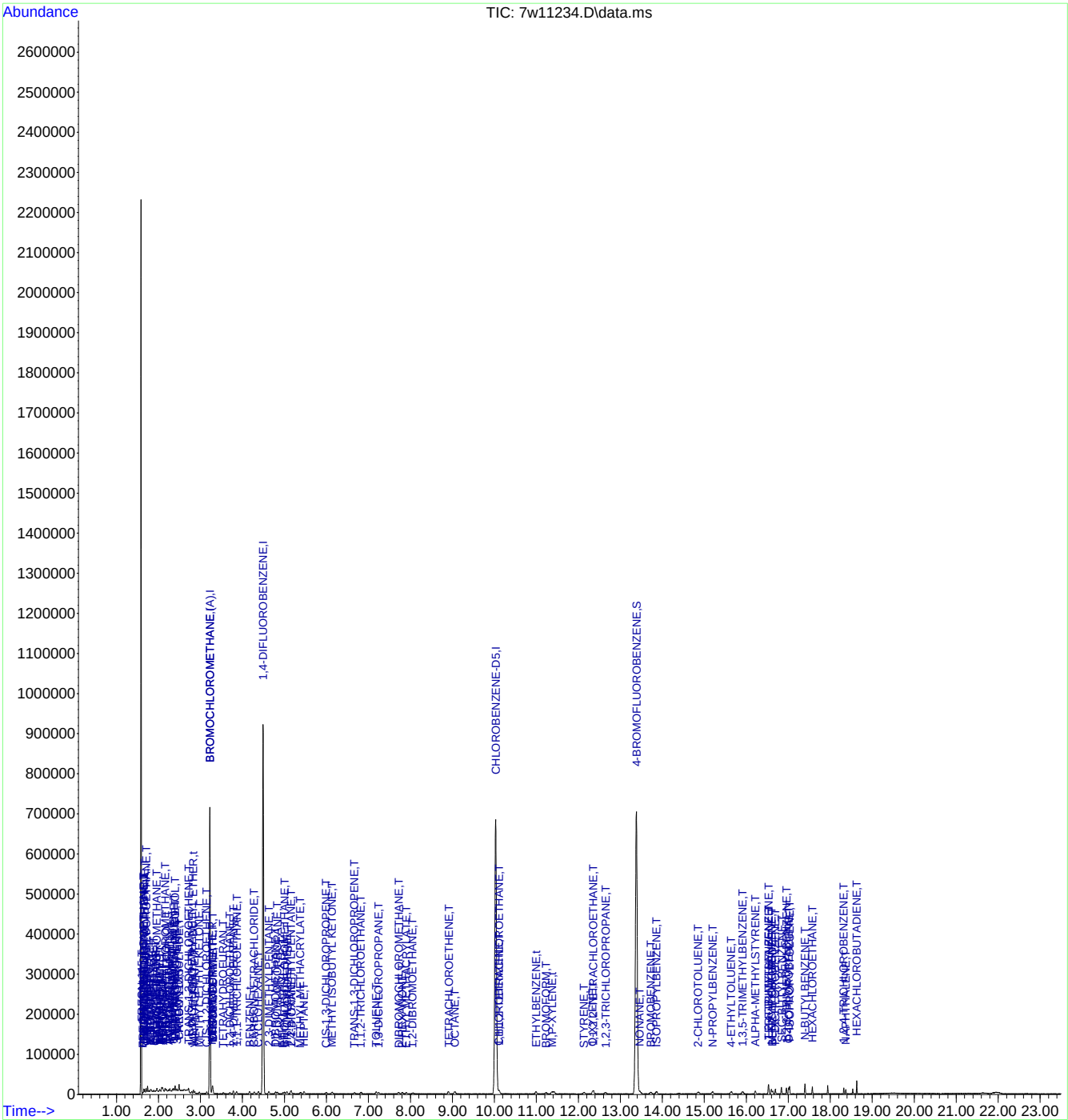
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 06:11:29 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



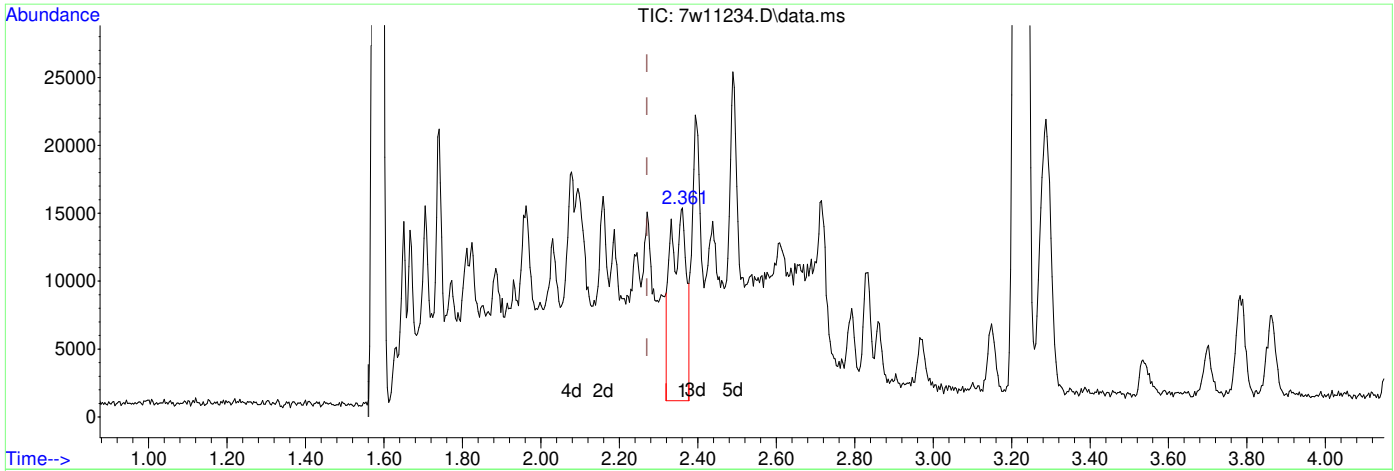
**Sample Number:** V7W405-IC405
**Lab FileID:** 7W11234.D
**Injection Time:** 12/28/24 09:53
**Method:** TO-15
**Analyst approved:** 12/30/24 00:11 Kanya Veerawat
**Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

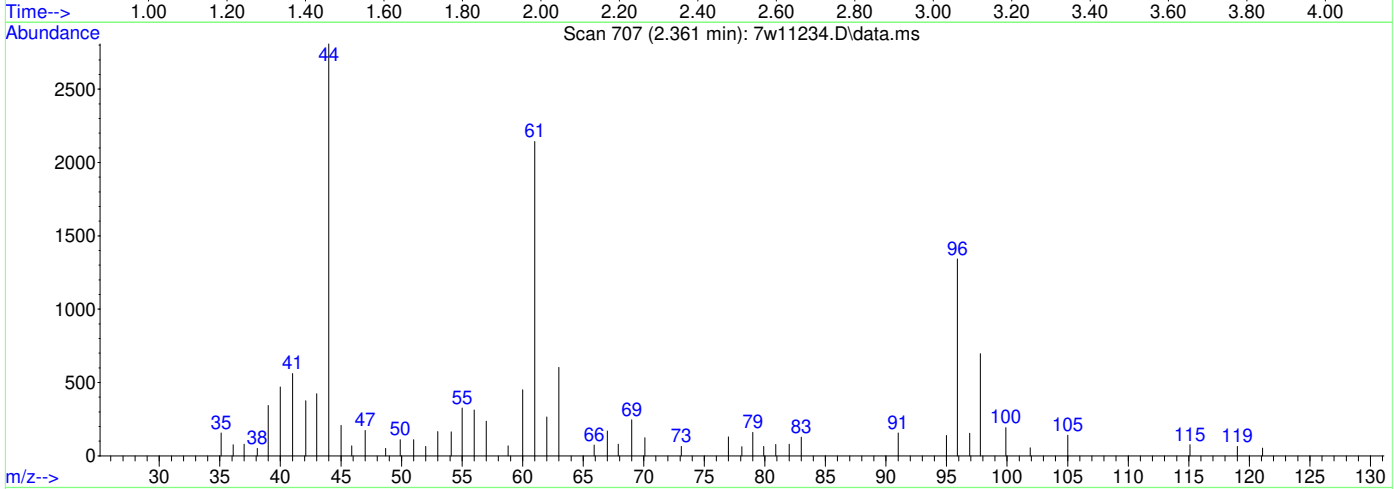
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Propylene | 115-07-1 | | 1.65 | Missed peak |
| Chloromethane | 74-87-3 | | 1.71 | Poor instrument integration |
| n-Butane | 106-97-8 | | 1.83 | Poor instrument integration |
| Ethanol | 64-17-5 | | 1.97 | Poor instrument integration |
| Acrolein | 107-02-8 | | 2.07 | Poor instrument integration |
| Acetone (2-Propanone) | 67-64-1 | | 2.11 | Poor instrument integration |
| Acrylonitrile | 107-13-1 | | 2.24 | Poor instrument integration |
| Pentane | 109-66-0 | | 2.27 | Poor instrument integration |
| TVHC As Equiv Pentane | | | 2.27 | Missed peak |
| 1,4-Dioxane | 123-91-1 | | 5.17 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.361min (+0.090) 0.68PPBV

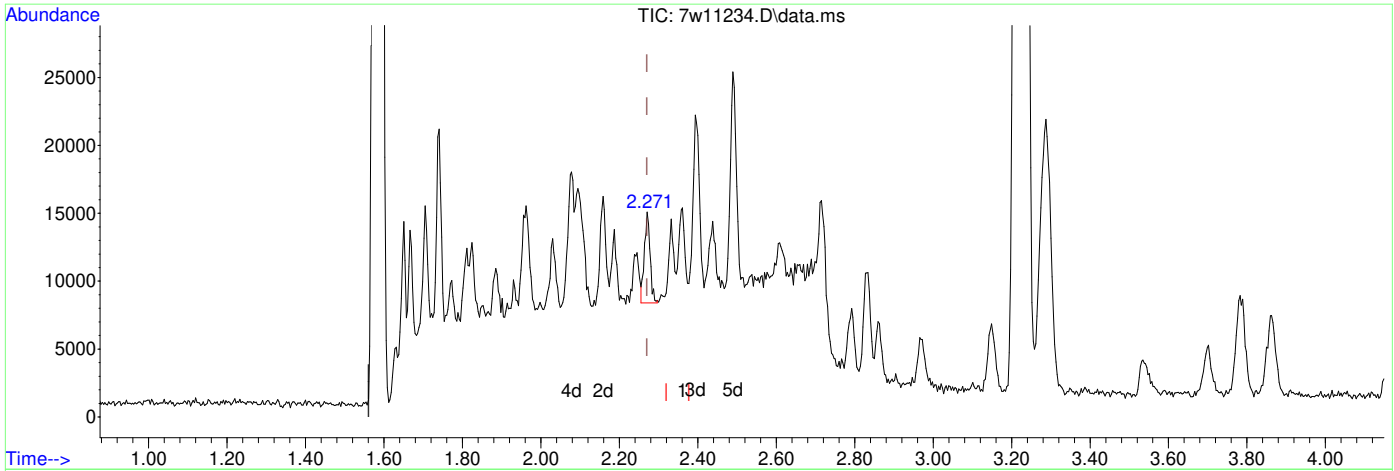
response 38161

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:53:04 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.12PPBV m

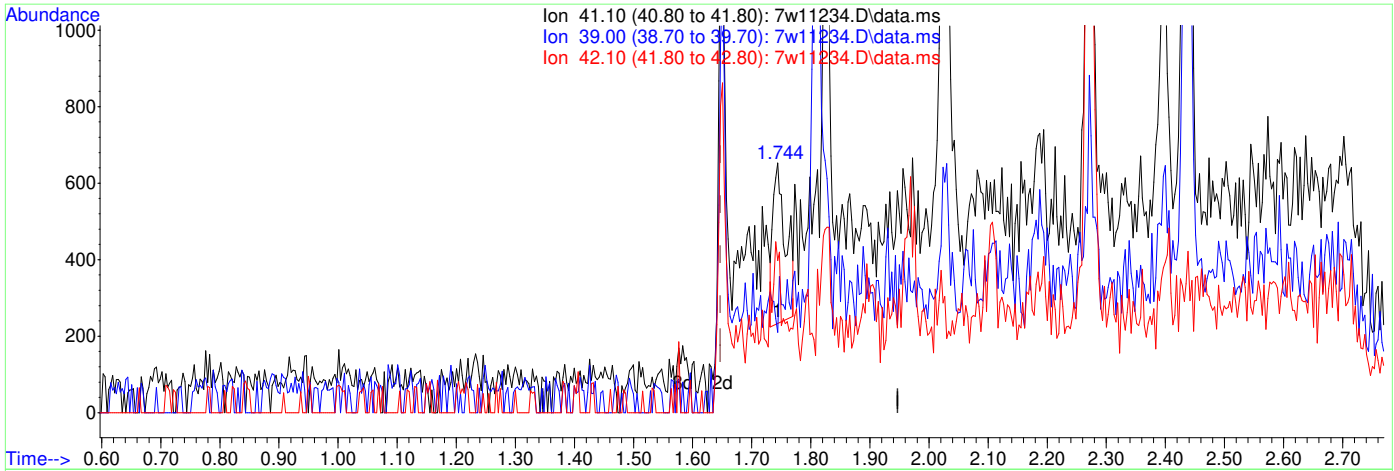
response 6736

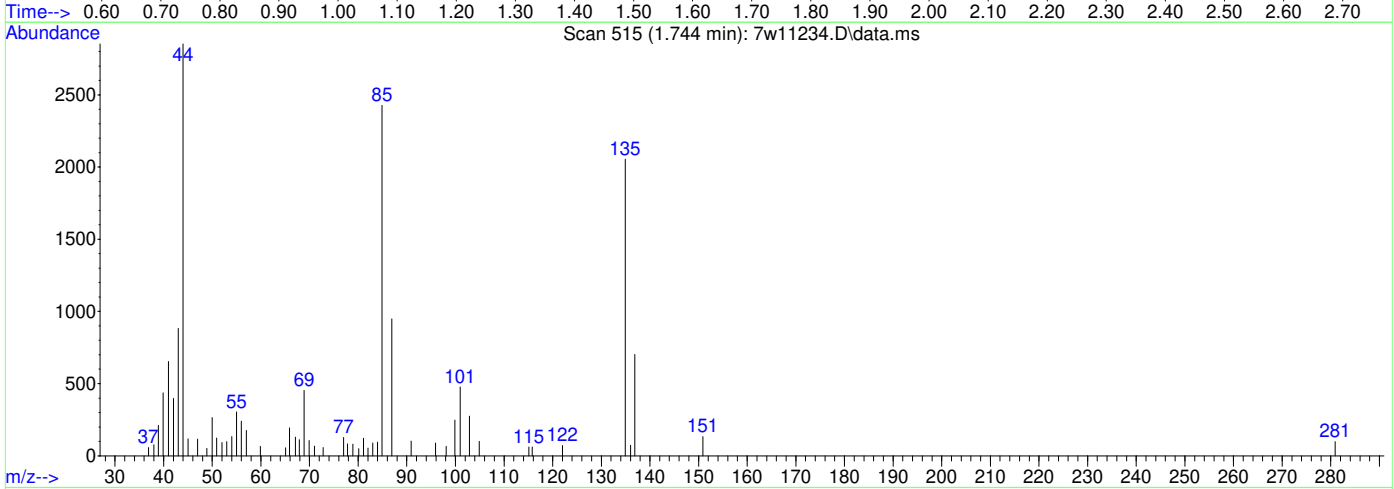
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.744min (+0.097) 0.08PPBV

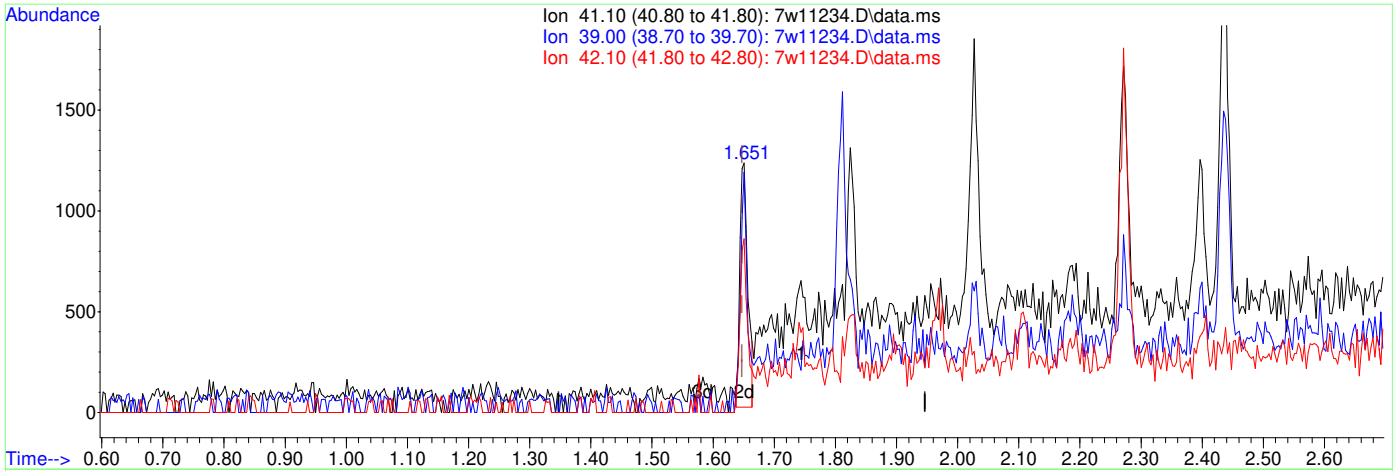
response 624

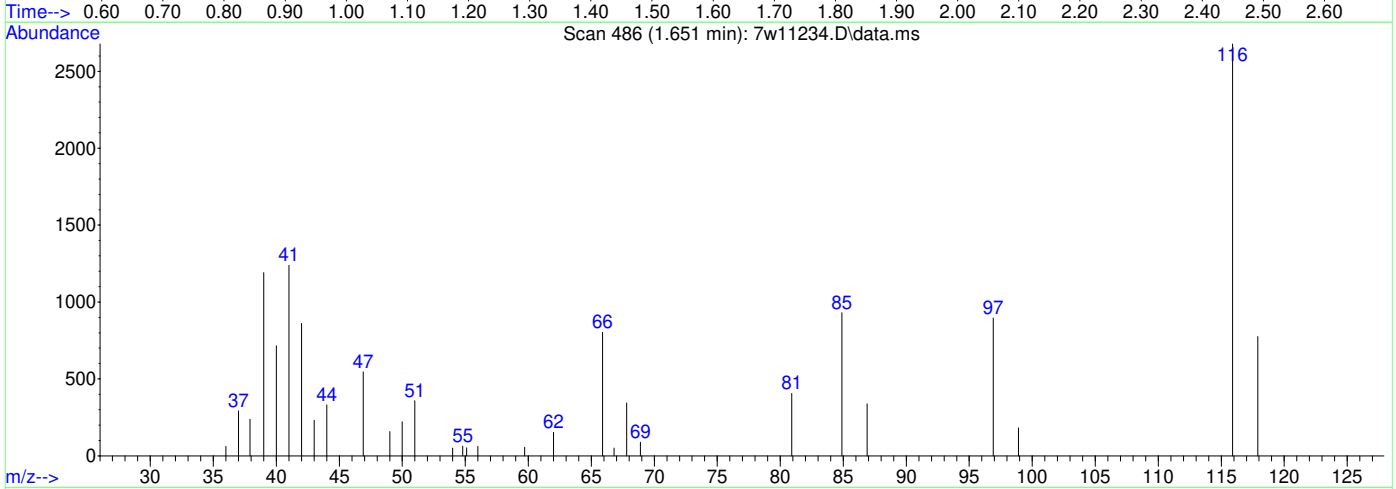
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 39.00 | 75.60 | 60.74 |
| 42.10 | 66.60 | 82.37 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(7) PROPYLENE (T)

1.651min (+0.004) 0.13PPBV m

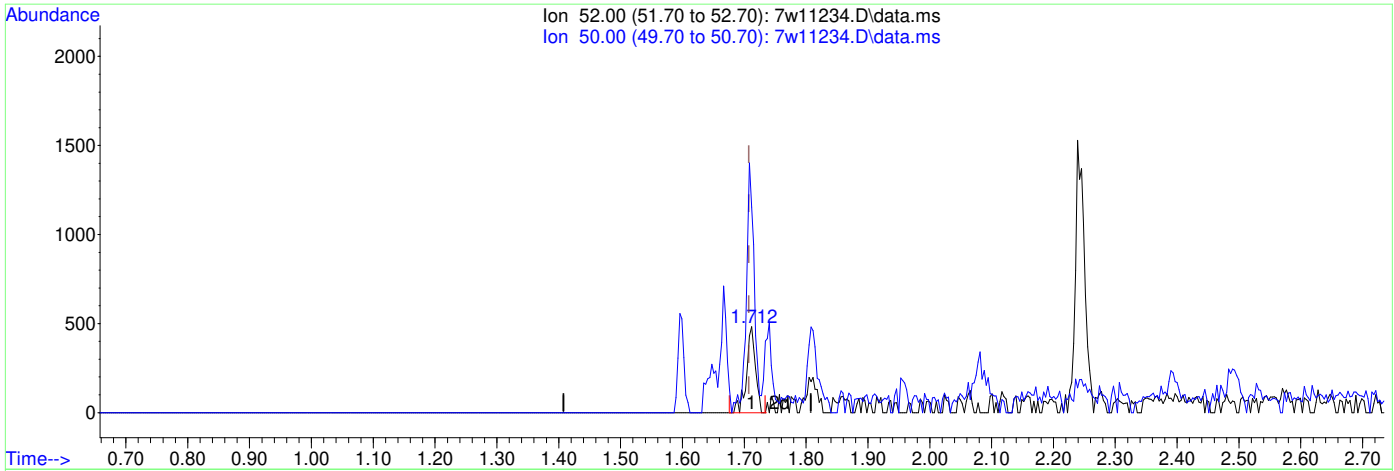
response 1091

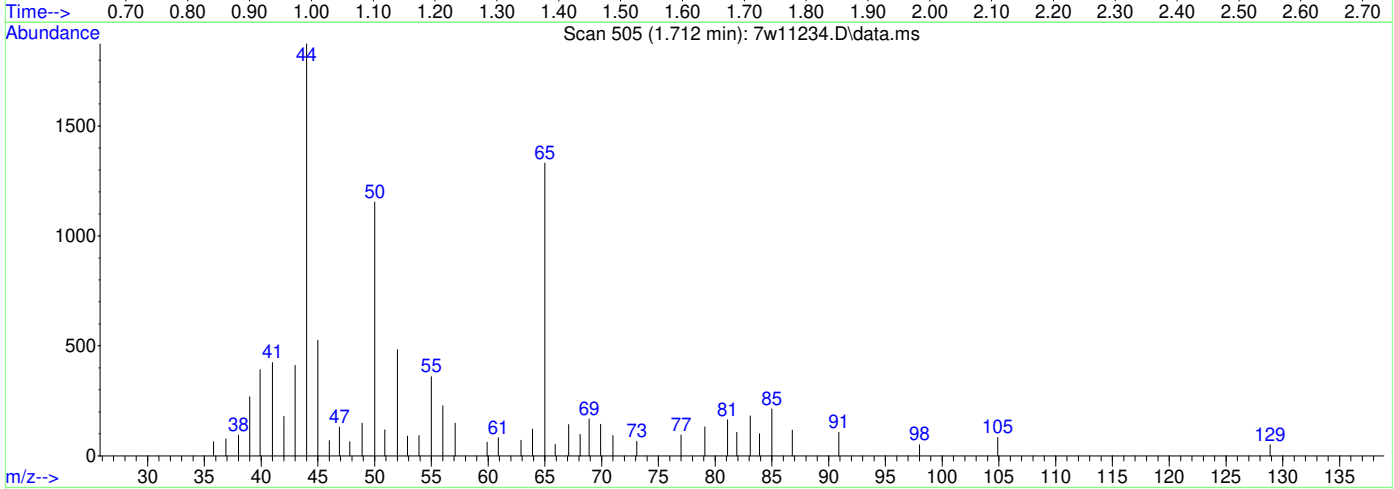
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 39.00 | 75.60 | 34.74# |
| 42.10 | 66.60 | 47.11 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.15PPBV

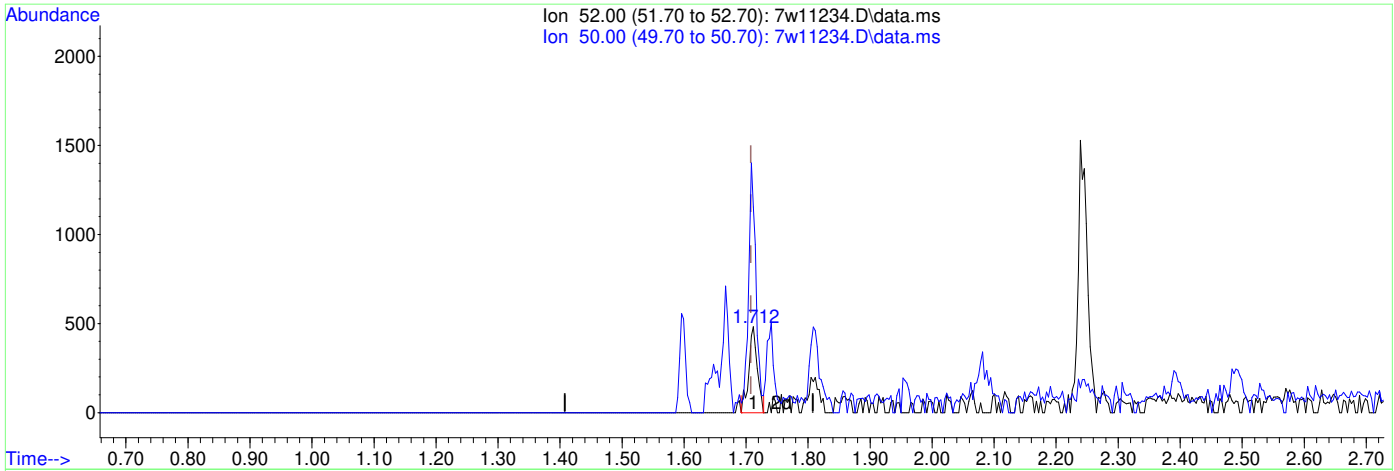
response 478

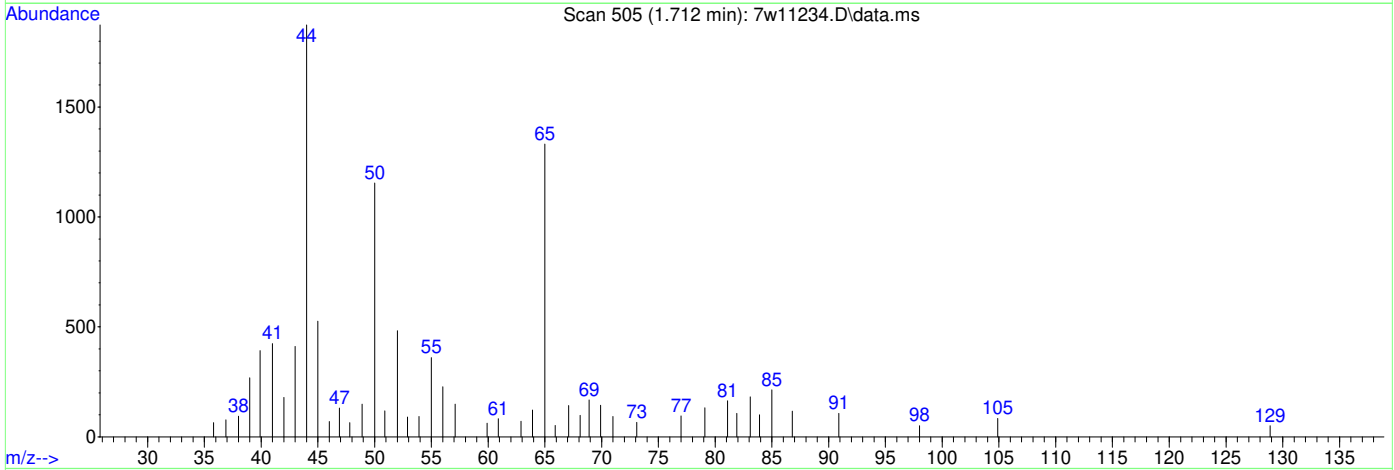
| Ion | Exp% | Act% |
|---|---|---|
| 52.00 | 100 | 100 |
| 50.00 | 314.50 | 235.15 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(10) CHLOROMETHANE (T)

1.712min (+0.004) 0.14PPBV m

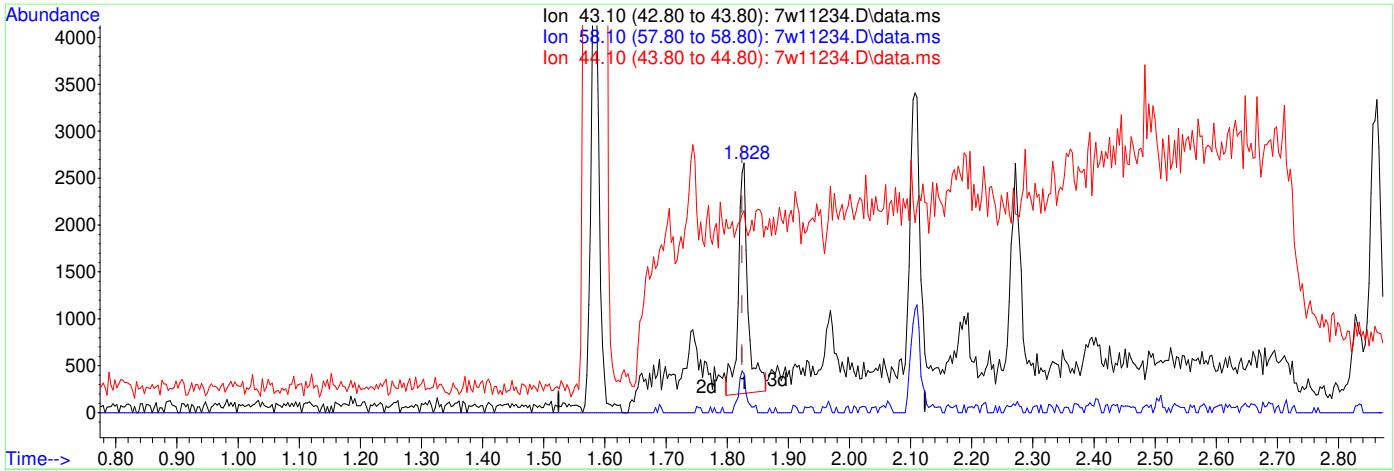
response 455

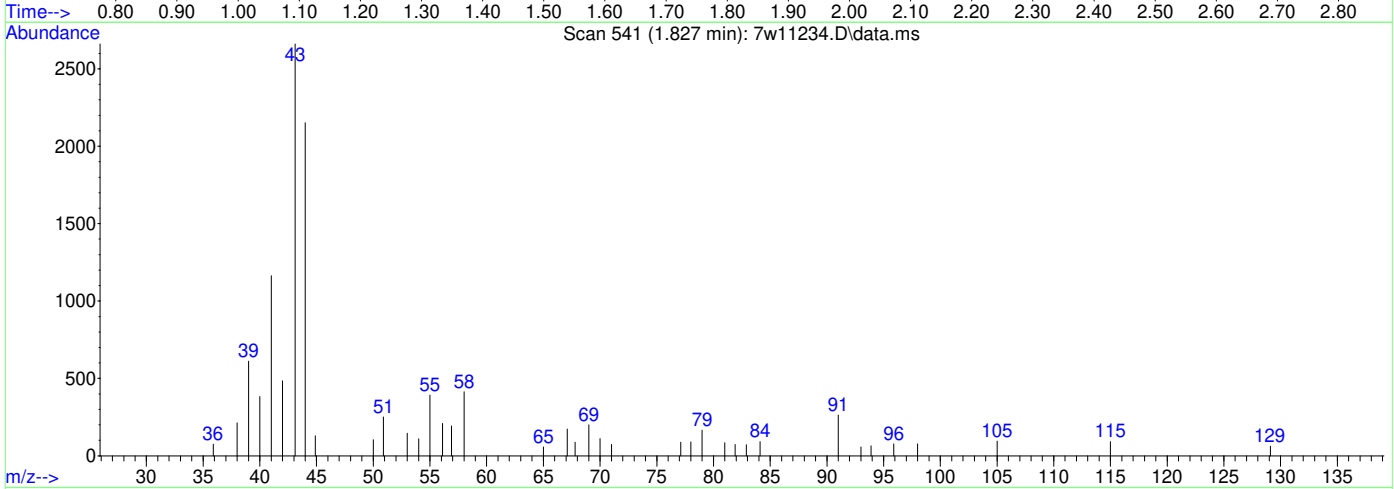
| Ion | Exp% | Act% |
|---|---|---|
| 52.00 | 100 | 100 |
| 50.00 | 314.50 | 247.03 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.16PPBV

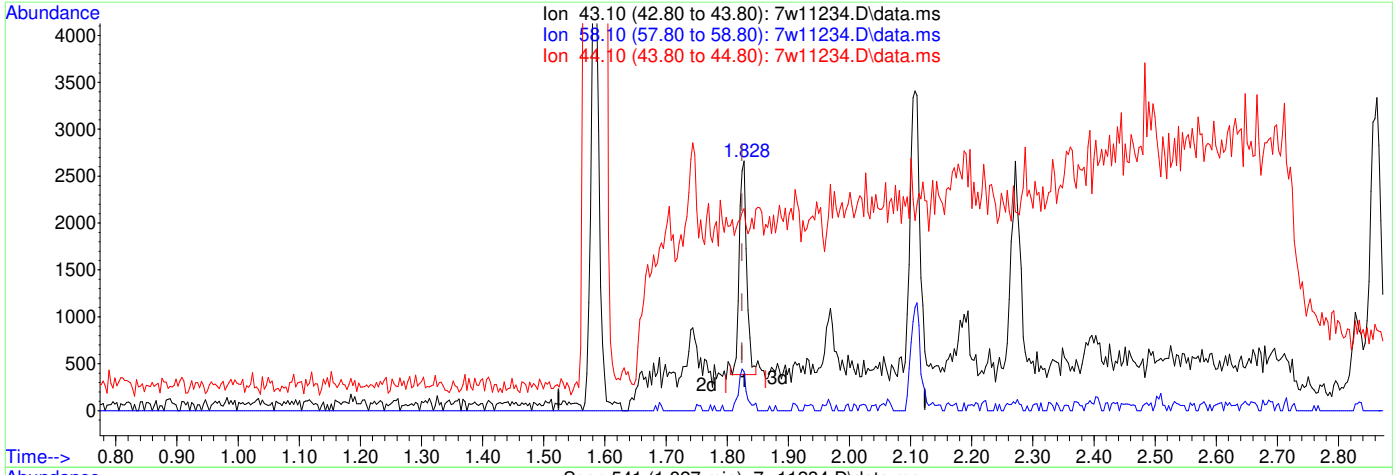
response 2700

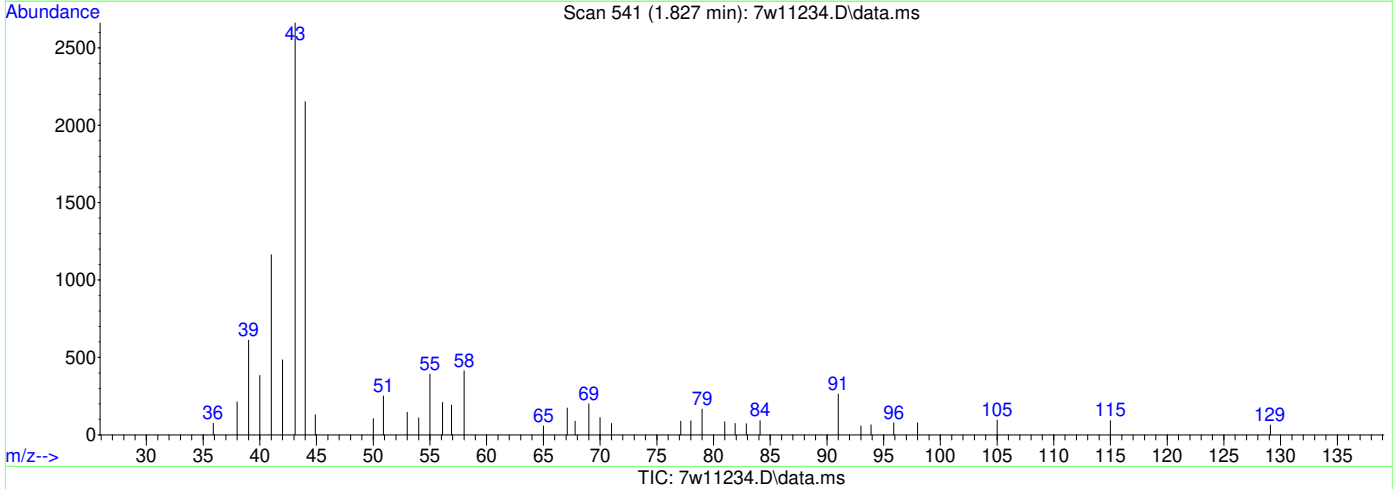
| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 58.10 | 14.80 | 15.67 |
| 44.10 | 4.30 | 58.37# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(13) N-BUTANE (T)

1.827min (+0.003) 0.12PPBV m

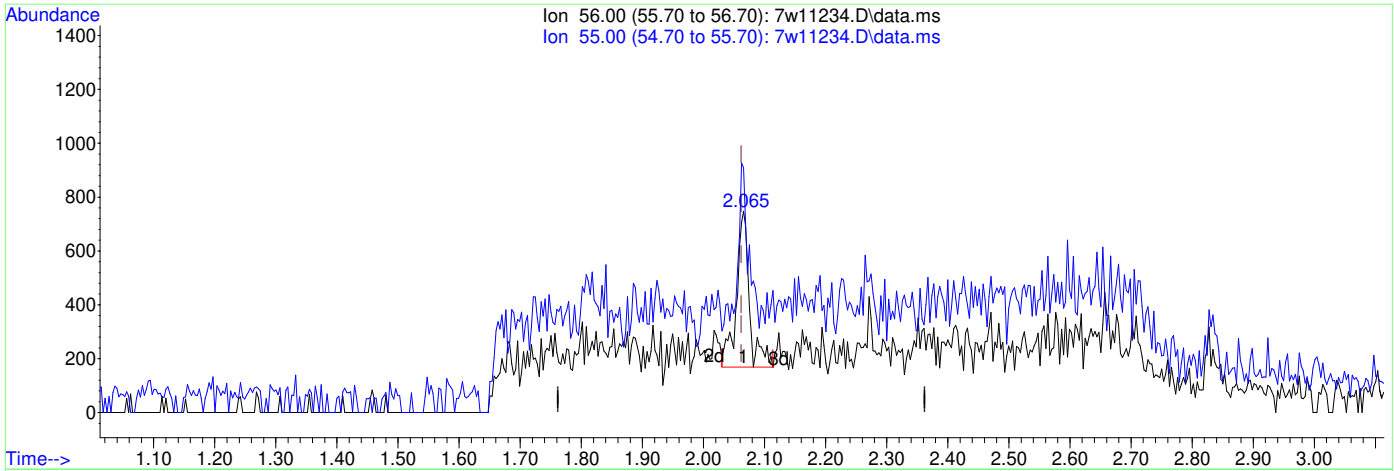
response 1929

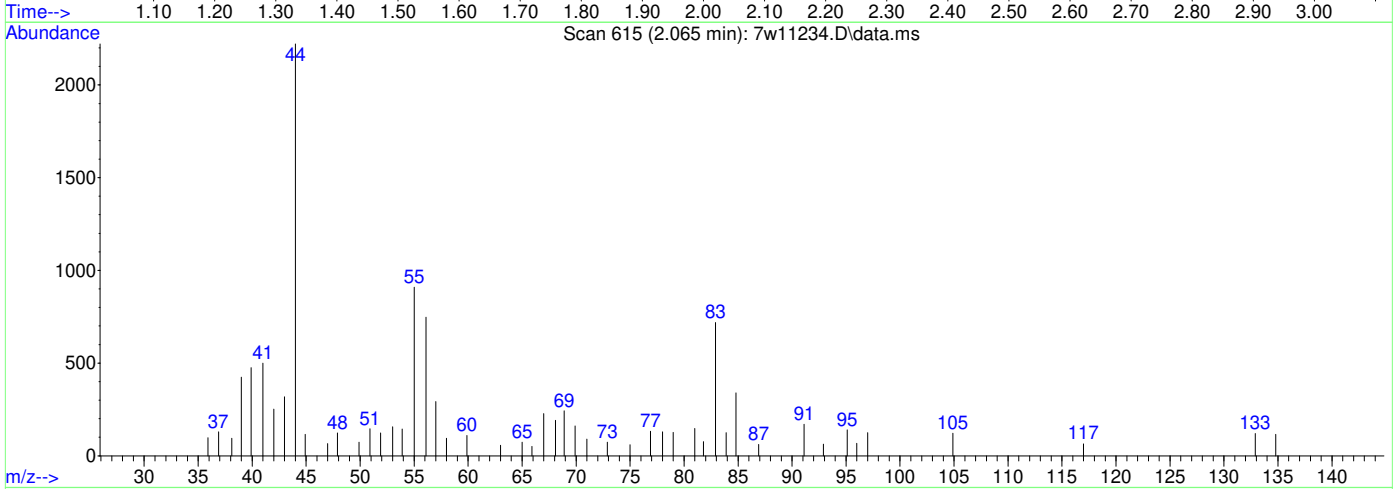
| Ion | Exp% | Act% |
|---|---|---|
| 43.10 | 100 | 100 |
| 58.10 | 14.80 | 21.93# |
| 44.10 | 4.30 | 81.70# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.16PPBV

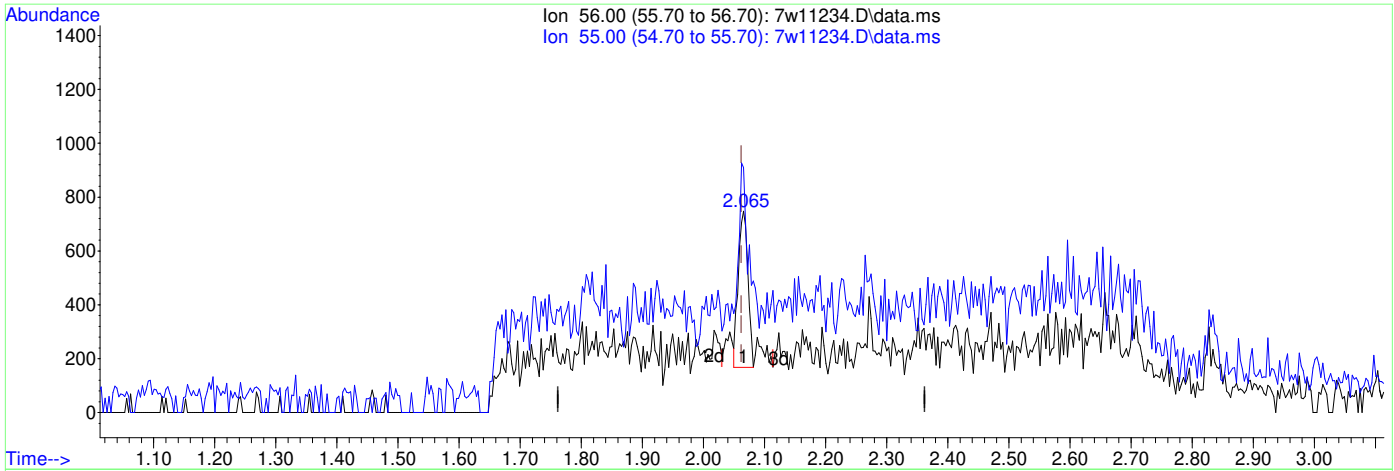
response 850

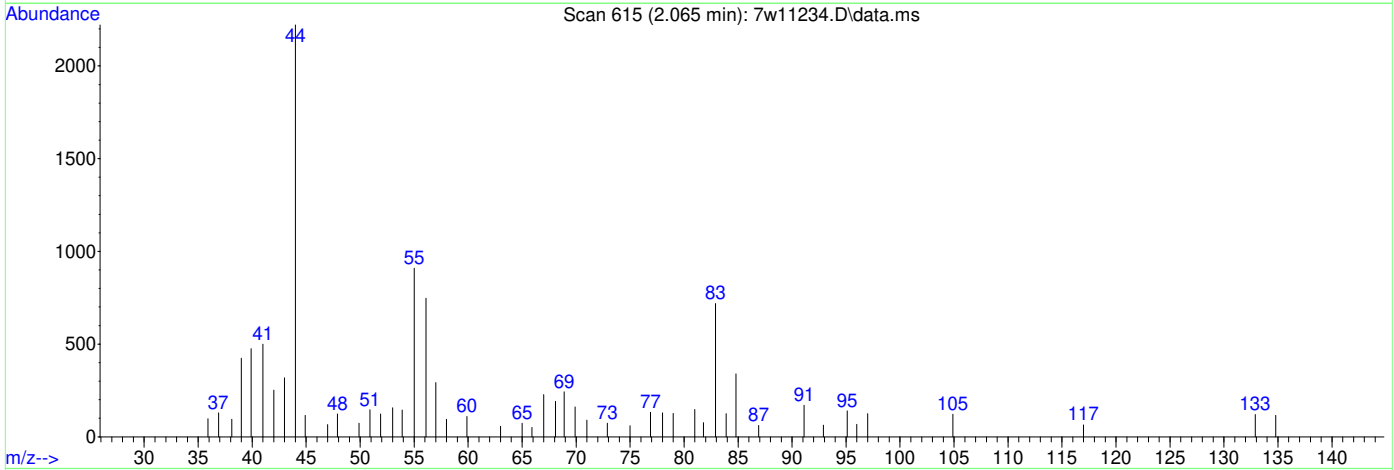
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 55.00 | 71.80 | 99.76# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(18) ACROLEIN (T)

2.065min (+0.003) 0.12PPBV m

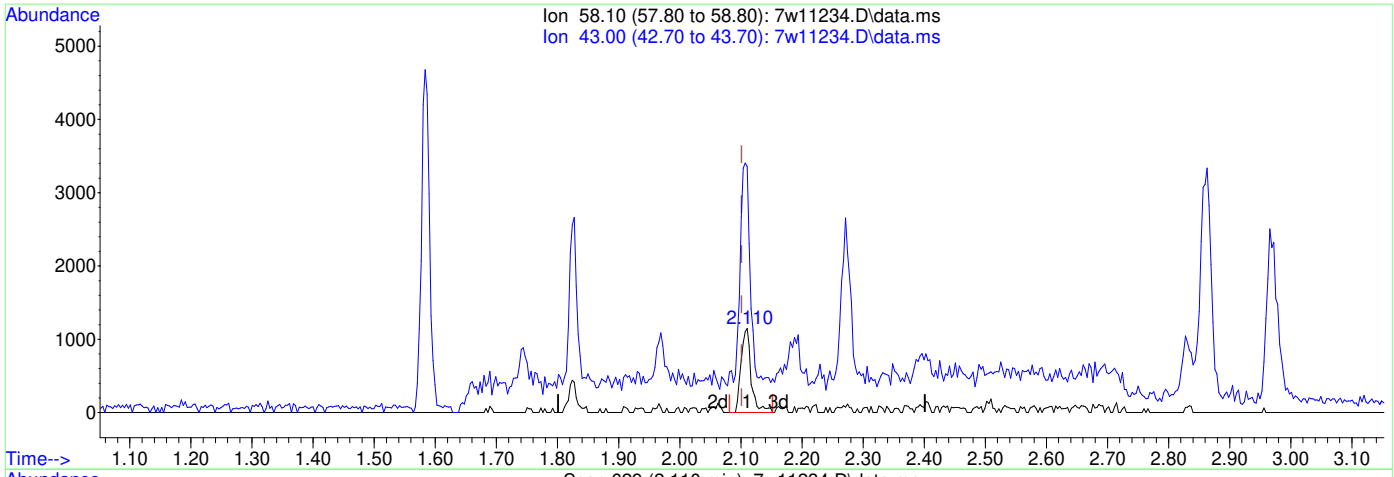
response 638

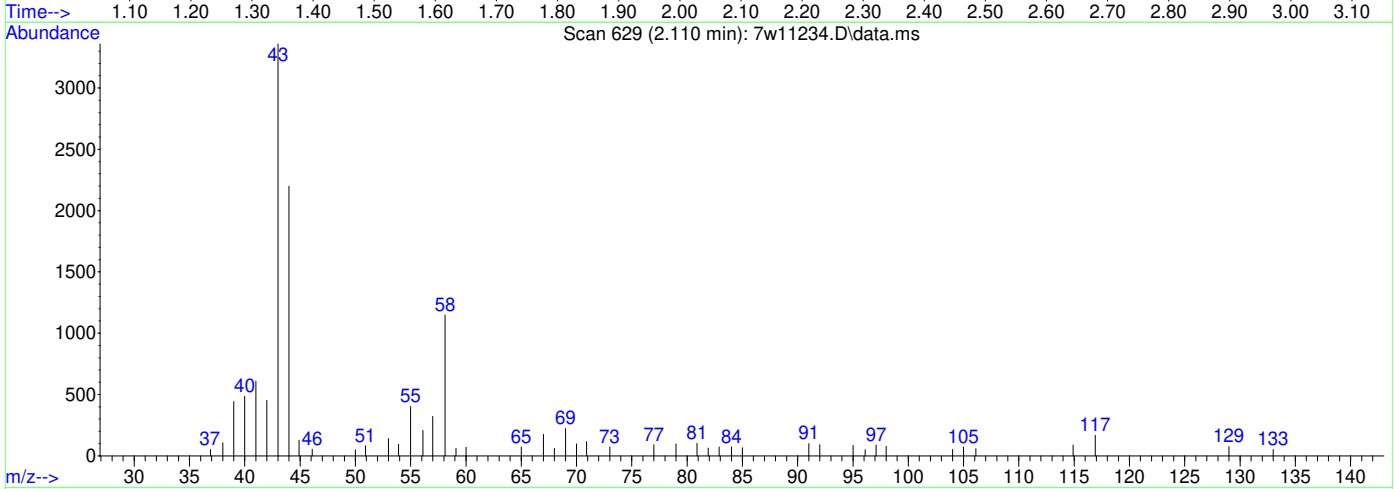
| Ion | Exp% | Act% |
|---|---|---|
| 56.00 | 100 | 100 |
| 55.00 | 71.80 | 132.92# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.20PPBV

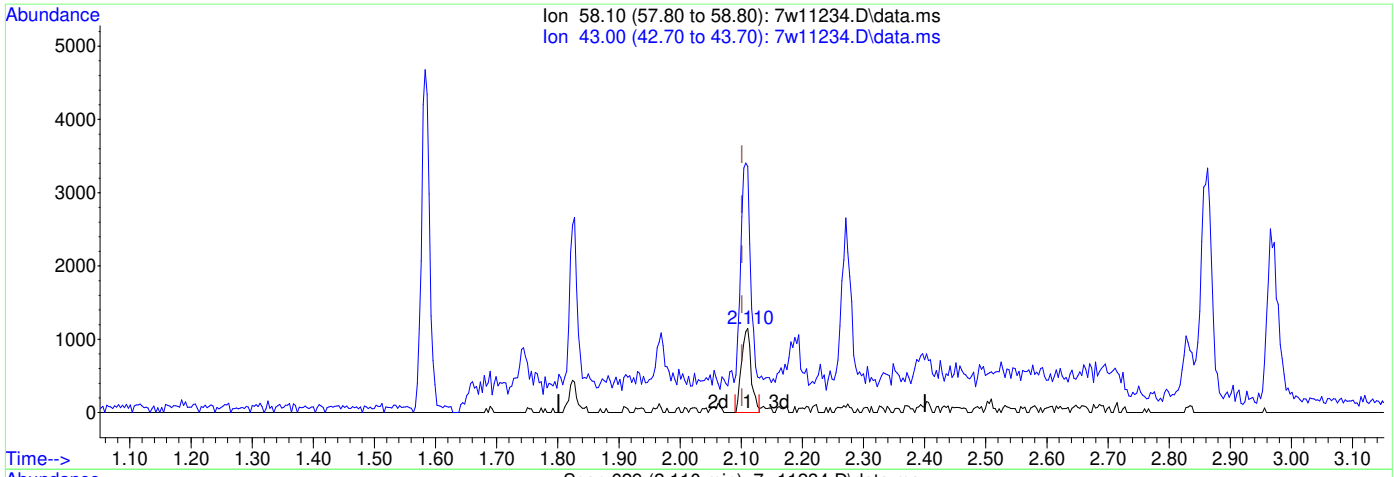
response 1323

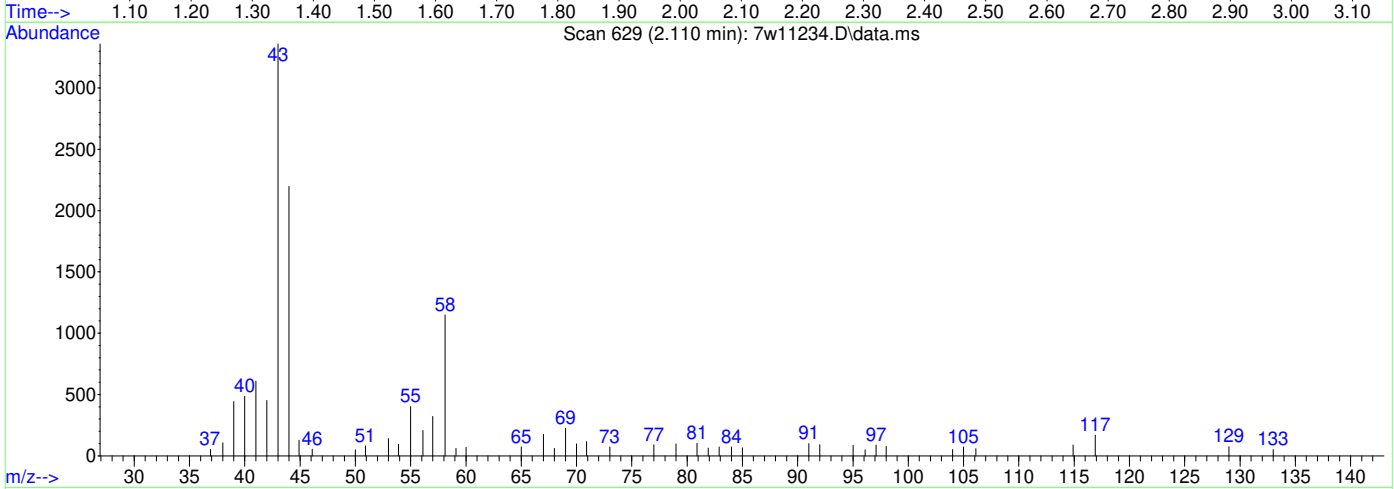
| Ion | Exp% | Act% |
|---|---|---|
| 58.10 | 100 | 100 |
| 43.00 | 334.80 | 261.38 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(23) ACETONE (T)

2.110min (+0.009) 0.19PPBV m

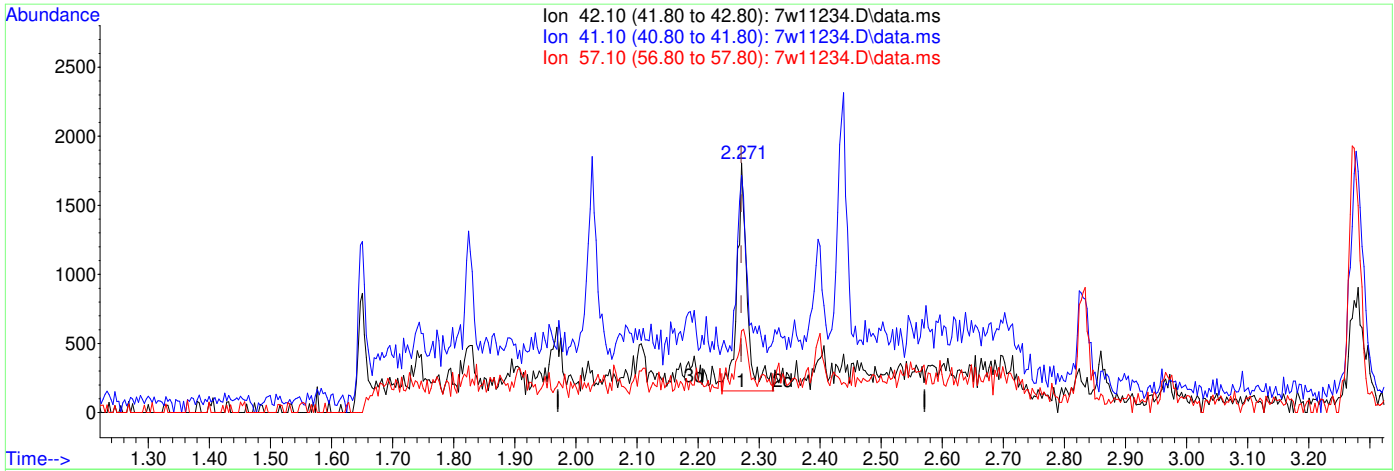
response 1248

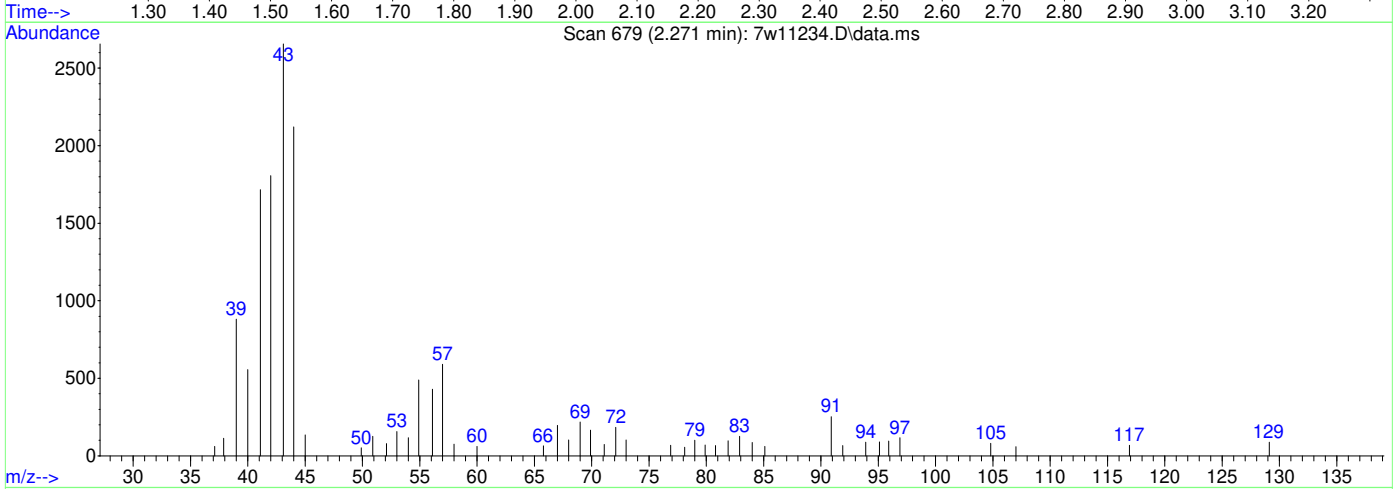
| Ion | Exp% | Act% |
|---|---|---|
| 58.10 | 100 | 100 |
| 43.00 | 334.80 | 277.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.17PPBV

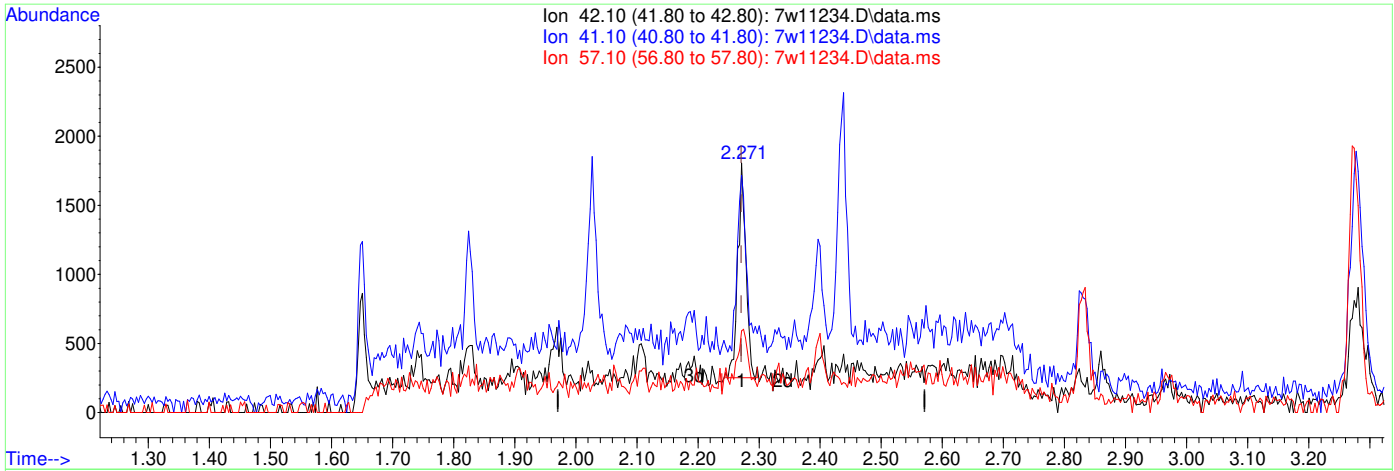
response 1928

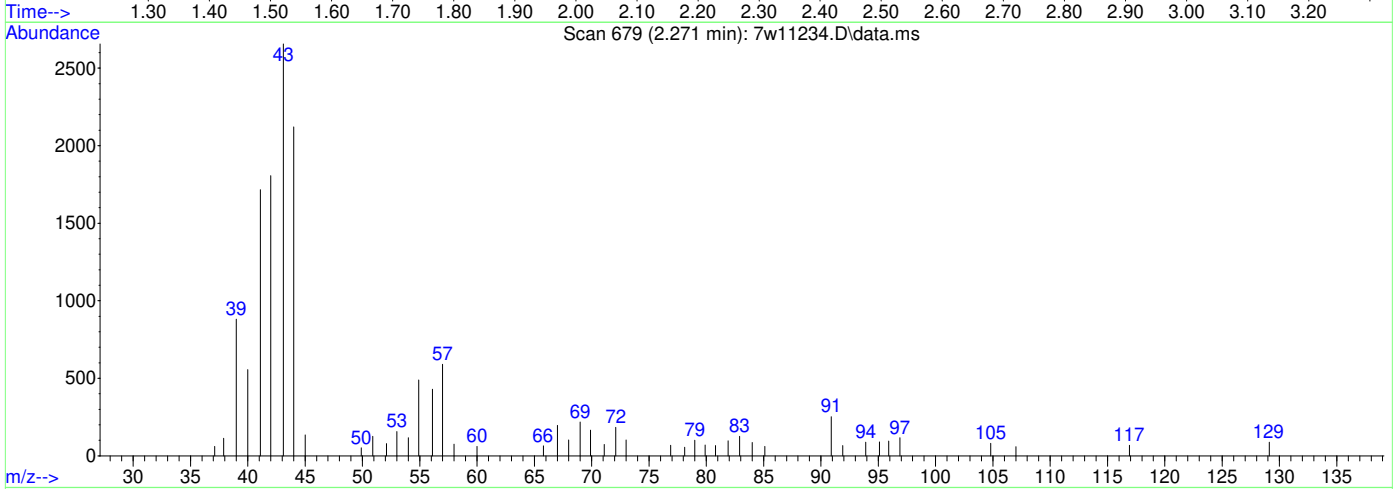
| Ion | Exp% | Act% |
|---|---|---|
| 42.10 | 100 | 100 |
| 41.10 | 92.50 | 84.23 |
| 57.10 | 28.20 | 33.45 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(24) PENTANE (T)

2.271min (+0.000) 0.12PPBV m

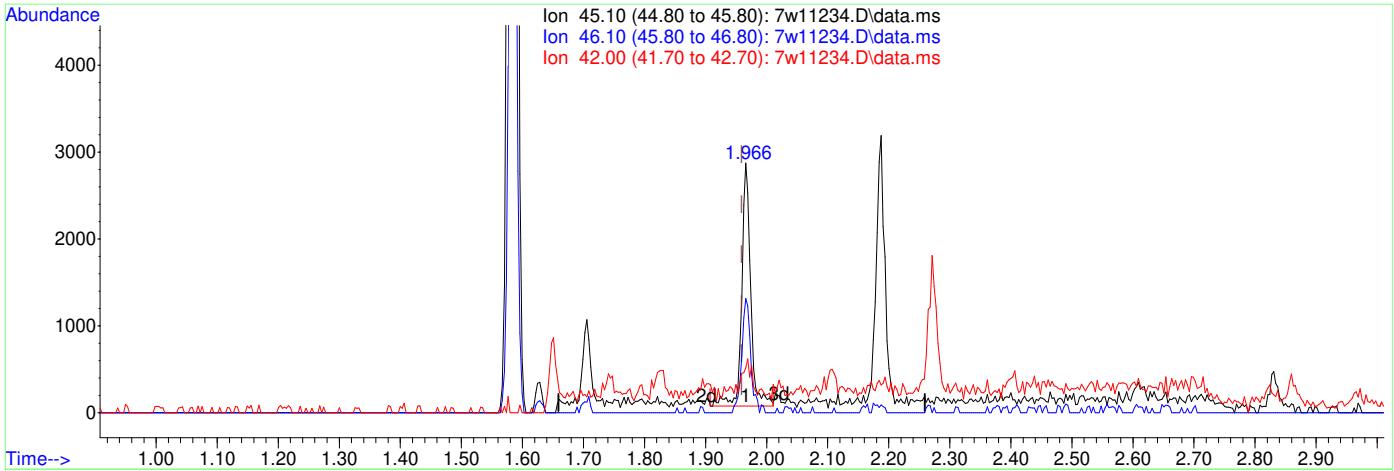
response 1433

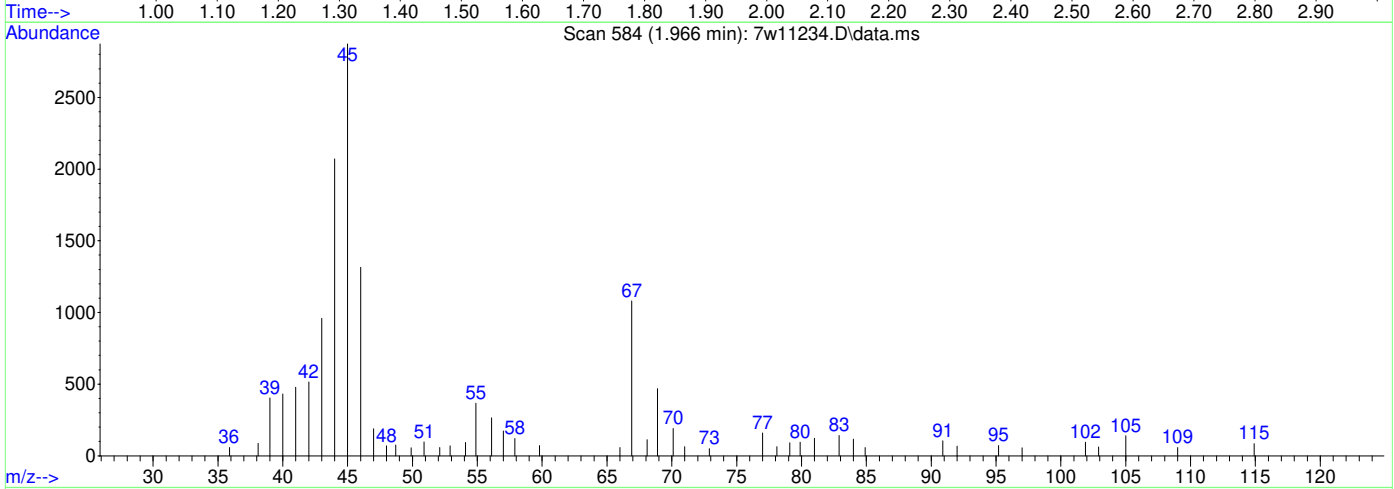
| Ion | Exp% | Act% |
|---|---|---|
| 42.10 | 100 | 100 |
| 41.10 | 92.50 | 113.33 |
| 57.10 | 28.20 | 45.01# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.31PPBV

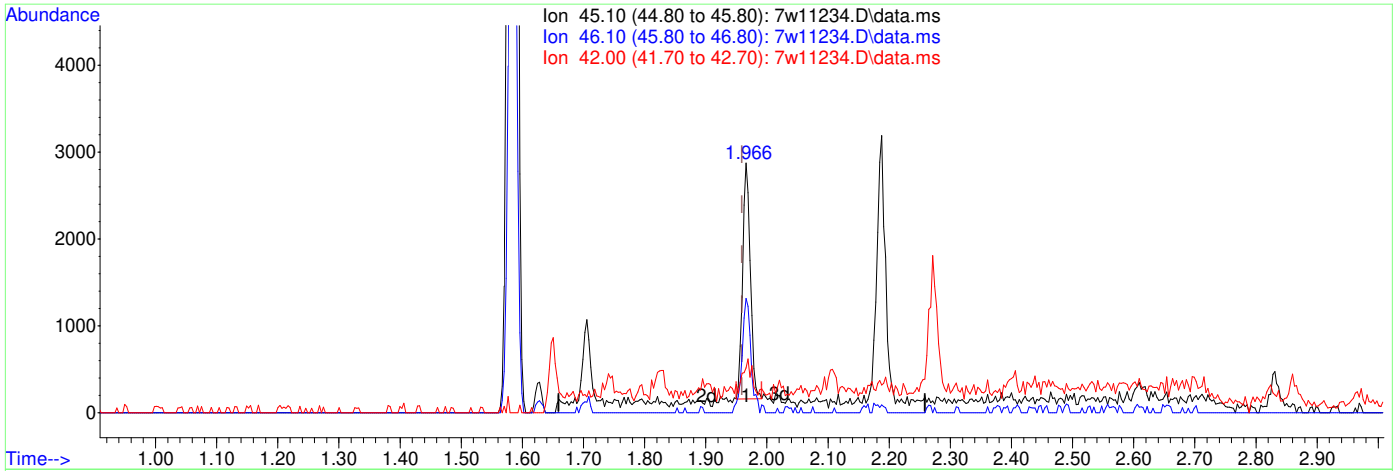
response 2854

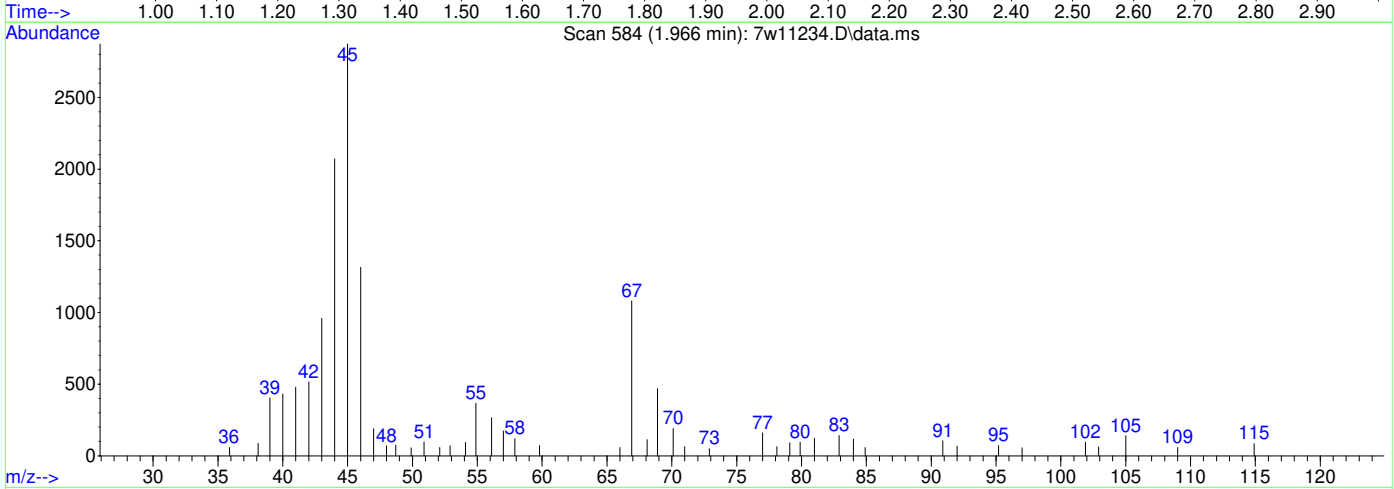
| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 47.62 |
| 42.00 | 9.00 | 24.25# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(28) ETHANOL (T)

1.966min (+0.007) 0.26PPBV m

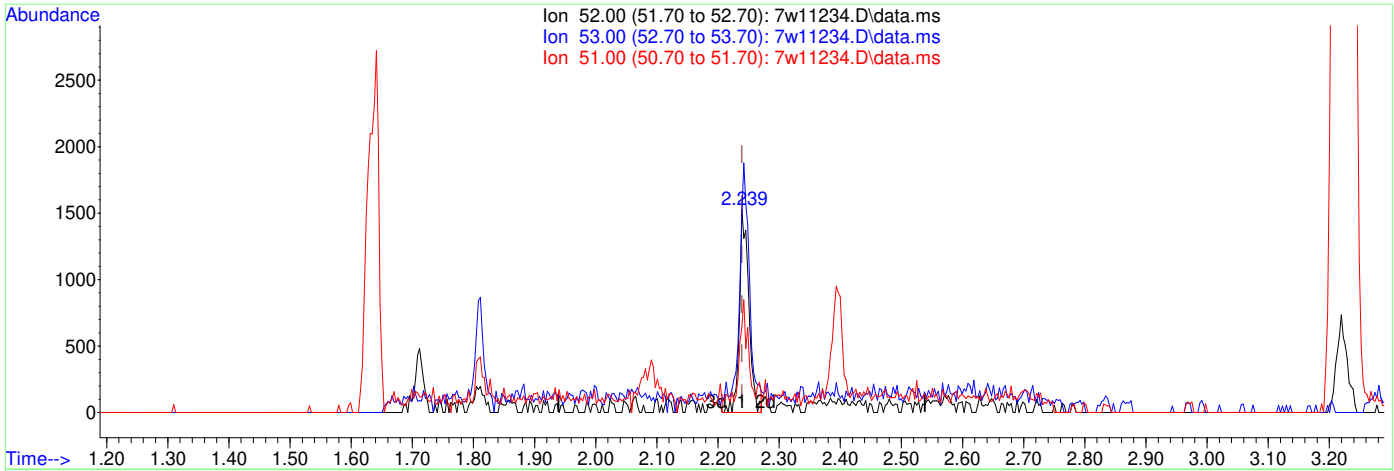
response 2393

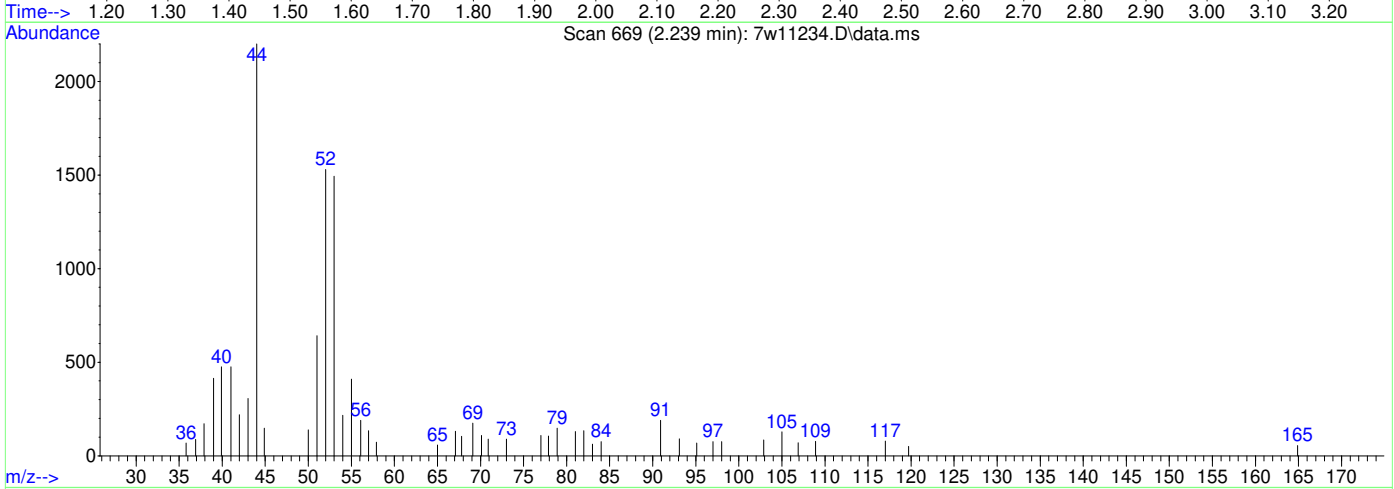
| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 56.79# |
| 42.00 | 9.00 | 28.92# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV

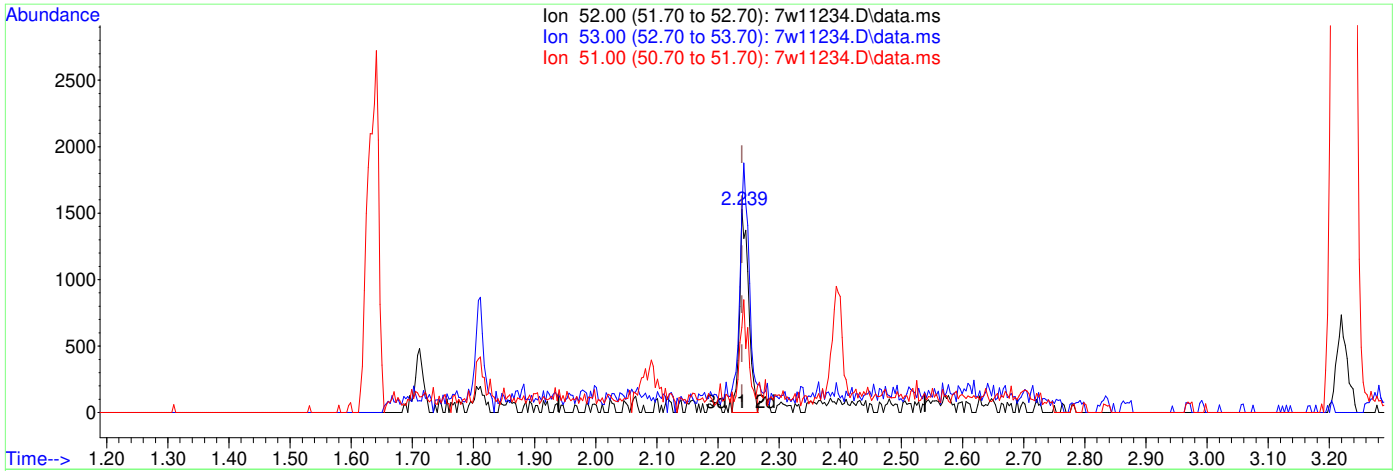
response 1634

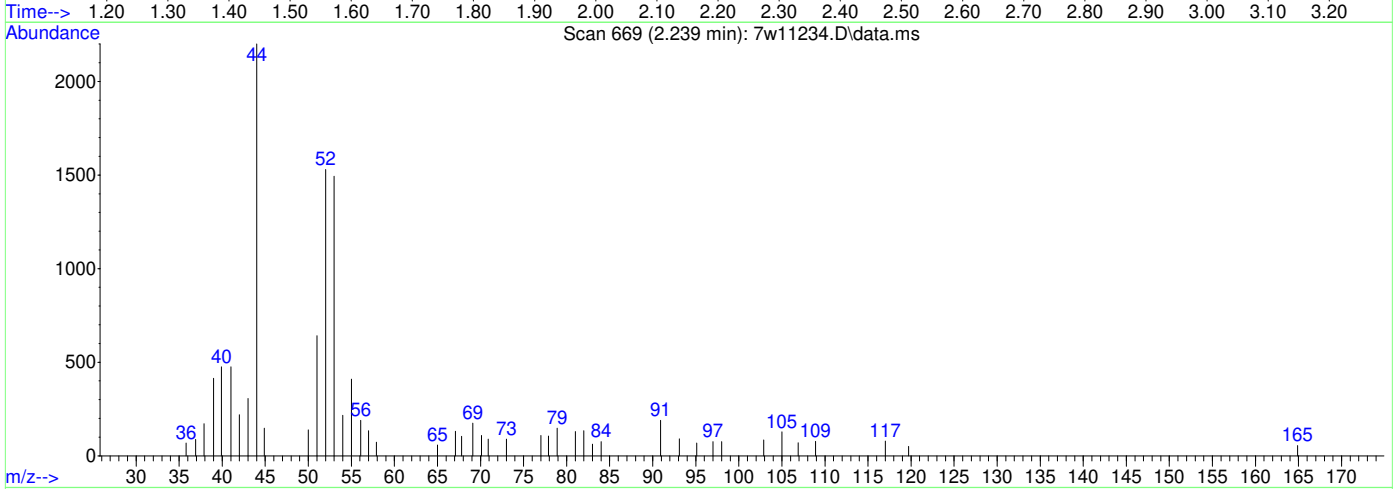
| Ion | Exp% | Act% |
|---|---|---|
| 52.00 | 100 | 100 |
| 53.00 | 121.70 | 128.40 |
| 51.00 | 46.00 | 60.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(30) ACRYLONITRILE (T)

2.239min (+0.000) 0.18PPBV m

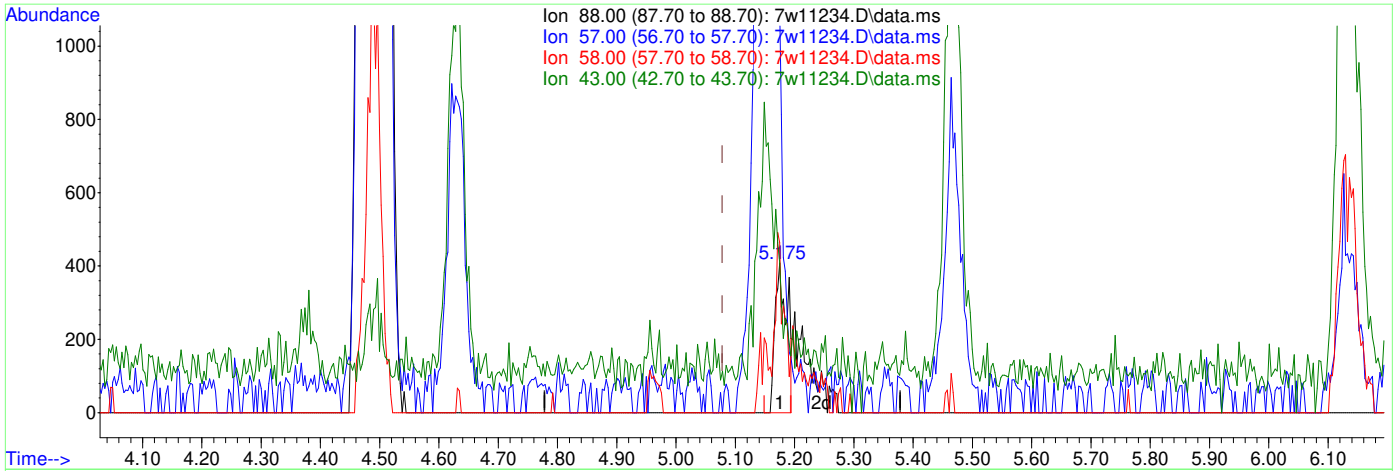
response 1573

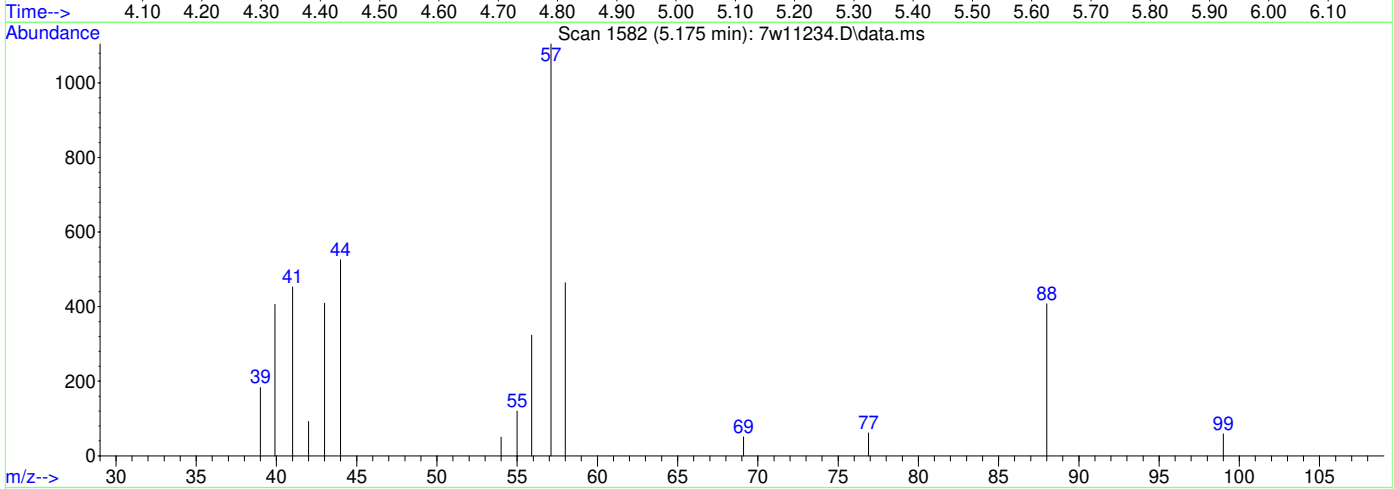
| Ion | Exp% | Act% |
|---|---|---|
| 52.00 | 100 | 100 |
| 53.00 | 121.70 | 133.38 |
| 51.00 | 46.00 | 62.43# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.06PPBV

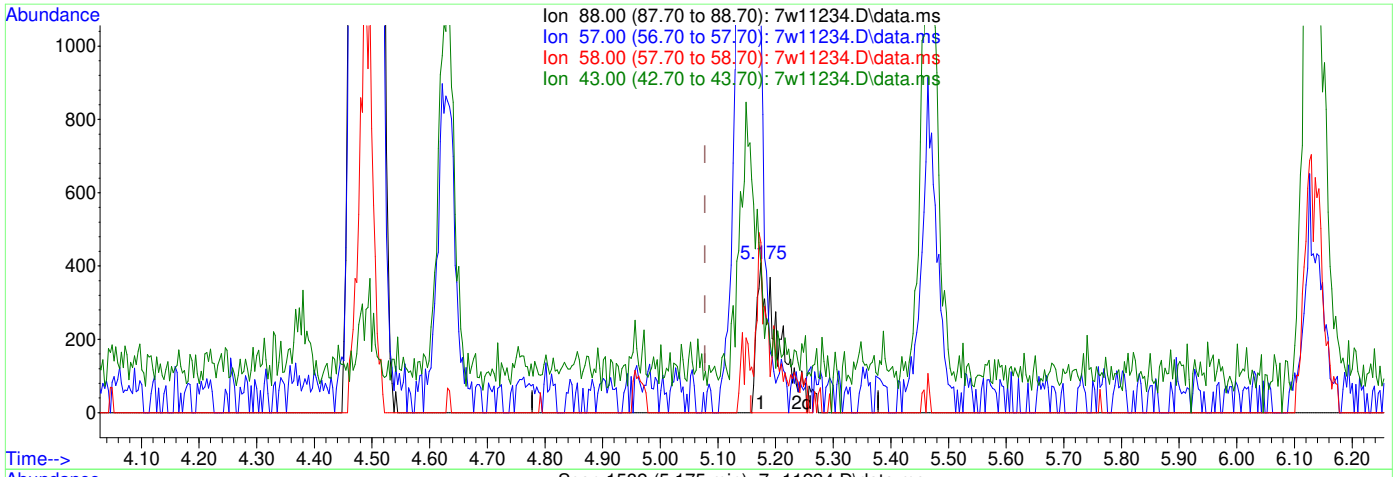
response 578

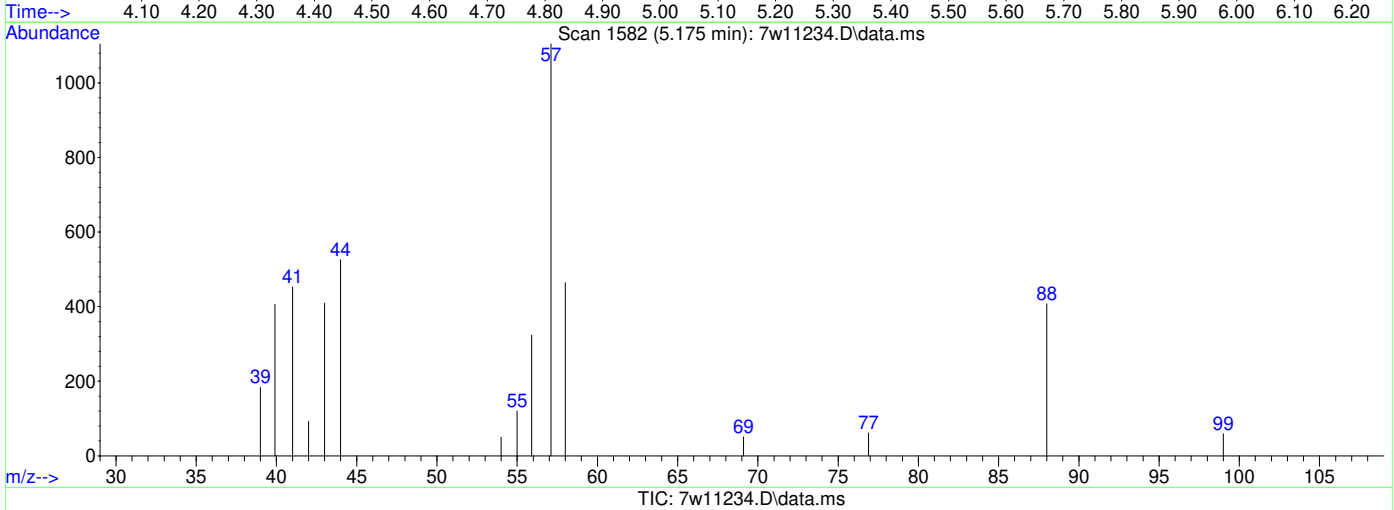
| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 57.00 | 21.40 | 1311.25# |
| 58.00 | 71.40 | 125.43# |
| 43.00 | 28.80 | 0.00# |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11234.D
Acq On : 28 Dec 2024 9:53 am
Operator : benk
Sample : ic405-0.10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:54:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:51:08 2024
Response via : Initial Calibration




TIC: 7w11234.D\data.ms

(61) 1,4-DIOXANE (T)

5.175min (+0.097) 0.10PPBV m

response 1055

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 57.00 | 21.40 | 718.39# |
| 58.00 | 71.40 | 68.72 |
| 43.00 | 28.80 | 0.00# |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 135376 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 684640 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 633519 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 135376 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 453874 | 9.81 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 3166 | 0.30 | PPBV | | 96 |
| 3) FREON 152A | 1.625 | 65 | 1416 | 0.21 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 685 | 0.21 | PPBV | | 87 |
| 5) CHLOROTRIFLUOROETHENE | 1.647 | 116 | 3459 | 0.22 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 7449 | 0.22 | PPBV | | 99 |
| 7) PROPYLENE | 1.647 | 41 | 1987 | 0.24 | PPBV | | 93 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 5376 | 0.22 | PPBV | # | 86 |
| 9) FREON 114 | 1.737 | 85 | 5911 | 0.22 | PPBV | | 97 |
| 10) CHLOROMETHANE | 1.712 | 52 | 727 | 0.23 | PPBV | | 87 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 2419 | 0.21 | PPBV | | 94 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 2115 | 0.24 | PPBV | | 88 |
| 13) N-BUTANE | 1.824 | 43 | 3862 | 0.24 | PPBV | # | 82 |
| 14) BROMOMETHANE | 1.885 | 94 | 2081 | 0.21 | PPBV | # | 89 |
| 15) CHLOROETHANE | 1.930 | 64 | 1245 | 0.21 | PPBV | # | 76 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 5342 | 0.22 | PPBV | | 99 |
| 17) ACETONITRILE | 2.030 | 41 | 2440m | 0.24 | PPBV | | |
| 18) ACROLEIN | 2.068 | 56 | 1350 | 0.25 | PPBV | | 100 |
| 19) FREON 123 | 2.075 | 83 | 5377 | 0.21 | PPBV | | 97 |
| 20) FREON 123A | 2.091 | 117 | 3608 | 0.23 | PPBV | | 94 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 6612 | 0.22 | PPBV | # | 98 |
| 22) ISOPROPYL ALCOHOL | 2.204 | 45 | 6071 | 0.26 | PPBV | | 97 |
| 23) ACETONE | 2.120 | 58 | 2022m | 0.33 | PPBV | | |
| 24) PENTANE | 2.271 | 42 | 2647 | 0.23 | PPBV | | 89 |
| 25) IODOMETHANE | 2.332 | 142 | 6124 | 0.22 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 2396 | 0.22 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 6168 | 0.21 | PPBV | # | 67 |
| 28) ETHANOL | 1.975 | 45 | 4943m | 0.72 | PPBV | | |
| 29) BROMOETHENE | 2.030 | 106 | 2344 | 0.22 | PPBV | # | 96 |
| 30) ACRYLONITRILE | 2.245 | 52 | 3111 | 0.38 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 3137 | 0.31 | PPBV | | 95 |
| 32) 3-CHLOROPROPENE | 2.435 | 76 | 1253 | 0.23 | PPBV | | 67 |
| 33) FREON 113 | 2.493 | 151 | 4101 | 0.23 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 2503 | 0.21 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.429 | 59 | 6213m | 0.22 | PPBV | | |
| 36) METHYL TERTIARY BUTYL ... | 2.850 | 73 | 7955 | 0.23 | PPBV | # | 82 |
| 37) TETRAHYDROFURAN | 3.544 | 72 | 1188 | 0.20 | PPBV | | 77 |
| 38) HEXANE | 3.277 | 57 | 4751 | 0.22 | PPBV | | 80 |
| 39) VINYL ACETATE | 2.866 | 86 | 700 | 0.21 | PPBV | # | 13 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 4780 | 0.21 | PPBV | | 97 |
| 41) METHYL ETHYL KETONE | 2.985 | 72 | 1419 | 0.23 | PPBV | # | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 2745 | 0.22 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 3.303 | 59 | 1508 | 0.25 | PPBV | | 78 |
| 44) ETHYL ACETATE | 3.310 | 61 | 982 | 0.23 | PPBV | | 93 |
| 45) METHYL ACRYLATE | 3.287 | 55 | 5637 | 0.22 | PPBV | # | 99 |
| 46) CHLOROFORM | 3.300 | 83 | 5495 | 0.22 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.782 | 57 | 5377 | 0.22 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 5772 | 0.21 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 5354 | 0.19 | PPBV | | 98 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 3890 | 0.20 | PPBV | | 98 |
| 51) BENZENE | 4.175 | 78 | 8300 | 0.23 | PPBV | | 99 |
| 53) CYCLOHEXANE | 4.377 | 84 | 3553 | 0.22 | PPBV | | 85 |
| 54) 2,3-DIMETHYLPENTANE | 4.631 | 71 | 1803 | 0.21 | PPBV | | 92 |
| 55) TRICHLOROETHENE | 5.062 | 95 | 3668 | 0.20 | PPBV | | 99 |
| 56) 1,2-DICHLOROPROPANE | 4.837 | 63 | 3210 | 0.21 | PPBV | | 97 |
| 57) DIBROMOMETHANE | 4.792 | 174 | 3311 | 0.21 | PPBV | | 94 |
| 58) ETHYL ACRYLATE | 4.975 | 55 | 7267 | 0.22 | PPBV | | 96 |
| 59) BROMODICHLOROMETHANE | 5.004 | 83 | 5589 | 0.19 | PPBV | | 92 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.158 | 57 | 13895 | 0.21 | PPBV | | 96 |
| 61) 1,4-DIOXANE | 5.226 | 88 | 2954m | 0.31 | PPBV | | |
| 62) HEPTANE | 5.470 | 43 | 5154 | 0.22 | PPBV | | 97 |
| 63) METHYL METHACRYLATE | 5.387 | 69 | 3544 | 0.25 | PPBV | | 90 |
| 64) METHYL ISOBUTYL KETONE | 6.171 | 58 | 4409 | 0.33 | PPBV | | 96 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 4758 | 0.19 | PPBV | # | 81 |
| 66) TOLUENE | 7.190 | 91 | 10267 | 0.22 | PPBV | | 99 |
| 67) 1,3-DICHLOROPROPANE | 7.252 | 76 | 4741 | 0.20 | PPBV | | 98 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 4218 | 0.18 | PPBV | | 94 |
| 69) 1,1,2-TRICHLOROETHANE | 6.817 | 83 | 2927 | 0.22 | PPBV | | 95 |
| 70) 2-HEXANONE | 7.850 | 58 | 8903 | 0.45 | PPBV | # | 94 |
| 71) ETHYL METHACRYLATE | 7.920 | 69 | 5702 | 0.23 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.904 | 164 | 3981 | 0.21 | PPBV | | 99 |
| 73) DIBROMOCHLOROMETHANE | 7.721 | 129 | 5562 | 0.19 | PPBV | | 99 |
| 74) 1,2-DIBROMOETHANE | 8.055 | 107 | 5085 | 0.20 | PPBV | # | 97 |
| 75) OCTANE | 9.052 | 43 | 7512 | 0.23 | PPBV | | 96 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.123 | 131 | 4267 | 0.20 | PPBV | | 97 |
| 78) CHLOROBENZENE | 10.104 | 112 | 7768 | 0.20 | PPBV | | 98 |
| 79) ETHYLBENZENE | 10.991 | 91 | 13983 | 0.23 | PPBV | | 95 |
| 80) M,P-XYLENE | 11.425 | 91 | 20795 | 0.42 | PPBV | | 96 |
| 81) O-XYLENE | 12.341 | 91 | 10737 | 0.22 | PPBV | | 94 |
| 82) STYRENE | 12.142 | 104 | 7305 | 0.20 | PPBV | | 100 |
| 83) NONANE | 13.470 | 43 | 7304 | 0.22 | PPBV | | 97 |
| 84) BROMOFORM | 11.219 | 173 | 4859 | 0.19 | PPBV | | 98 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 6988 | 0.21 | PPBV | | 98 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 5385 | 0.20 | PPBV | # | 99 |
| 88) ISOPROPYLBENZENE | 13.859 | 120 | 3932 | 0.20 | PPBV | | 91 |
| 89) BROMOBENZENE | 13.718 | 77 | 7079 | 0.20 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.853 | 126 | 3458 | 0.19 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.197 | 120 | 3814 | 0.19 | PPBV | | 99 |
| 92) 4-ETHYLTOLUENE | 15.640 | 105 | 14151 | 0.20 | PPBV | # | 98 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.914 | 105 | 12096 | 0.20 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.216 | 118 | 5670 | 0.18 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.525 | 134 | 2992 | 0.21 | PPBV | | 95 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 12308 | 0.20 | PPBV | | 99 |
| 97) BENZYL CHLORIDE | 16.624 | 91 | 9192 | 0.16 | PPBV | | 99 |
| 98) M-DICHLOROBENZENE | 16.598 | 146 | 7938 | 0.19 | PPBV | | 98 |
| 99) P-DICHLOROBENZENE | 16.692 | 146 | 8082 | 0.20 | PPBV | | 99 |
| 100) O-DICHLOROBENZENE | 17.010 | 146 | 7837 | 0.20 | PPBV | | 99 |
| 101) SEC-BUTYLBENZENE | 16.836 | 134 | 3638 | 0.20 | PPBV | | 98 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 12052 | 0.20 | PPBV | | 97 |
| 103) P-ISOPROPYLTOLUENE | 17.033 | 134 | 4106 | 0.21 | PPBV | | 98 |
| 104) N-BUTYLBENZENE | 17.399 | 134 | 3733 | 0.19 | PPBV | | 94 |
| 105) HEXACHLOROETHANE | 17.573 | 117 | 4492 | 0.19 | PPBV | | 97 |
| 106) HEXACHLOROBUTADIENE | 18.634 | 225 | 5552 | 0.19 | PPBV | | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.322 | 180 | 5074 | 0.14 | PPBV | | 96 |
| 108) NAPHTHALENE | 18.370 | 128 | 9939 | 0.13 | PPBV | | 98 |
| 110) TVHC as equiv Pentane | 2.271 | TIC | 12241m | 0.22 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration

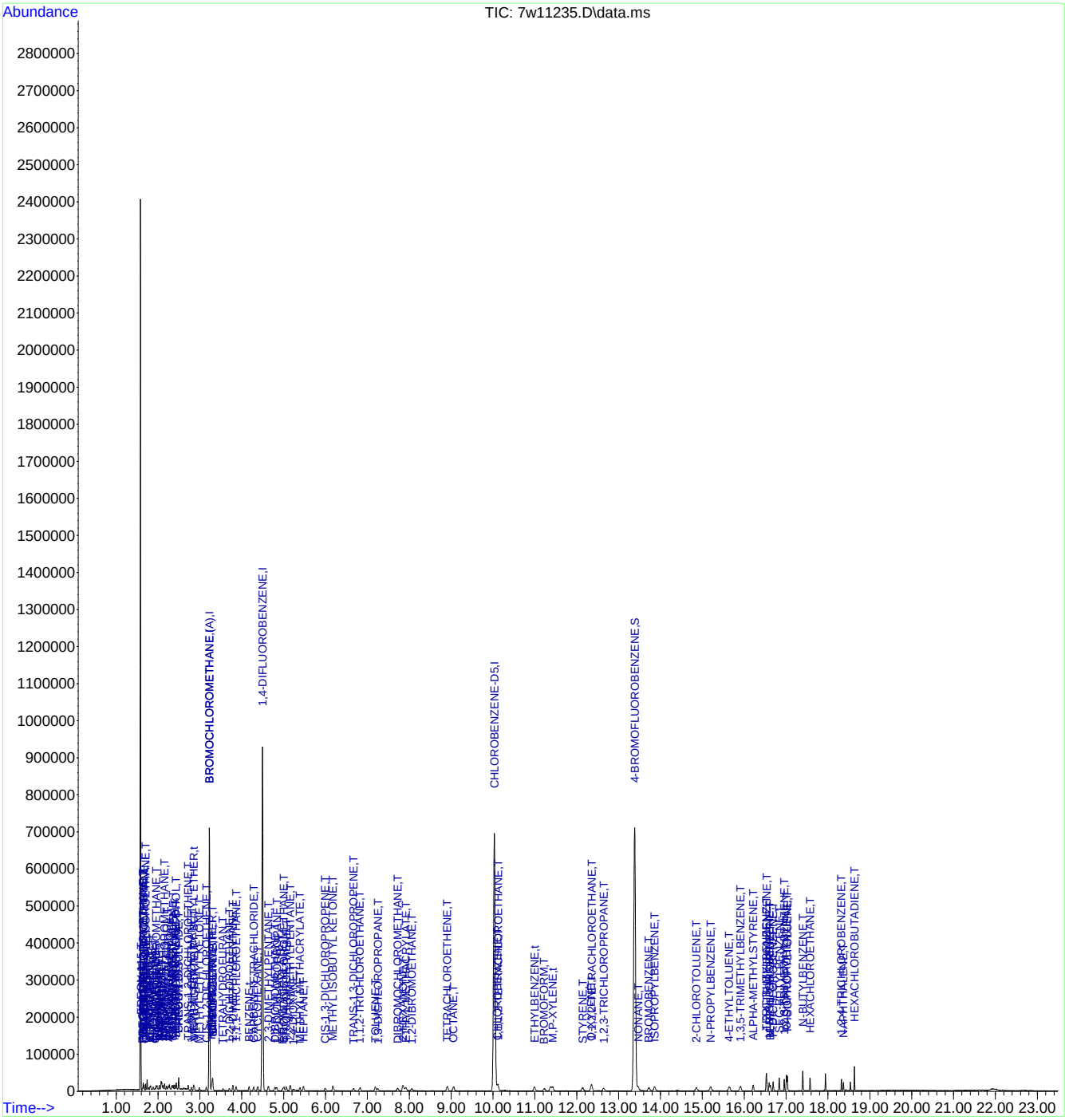
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:49:48 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



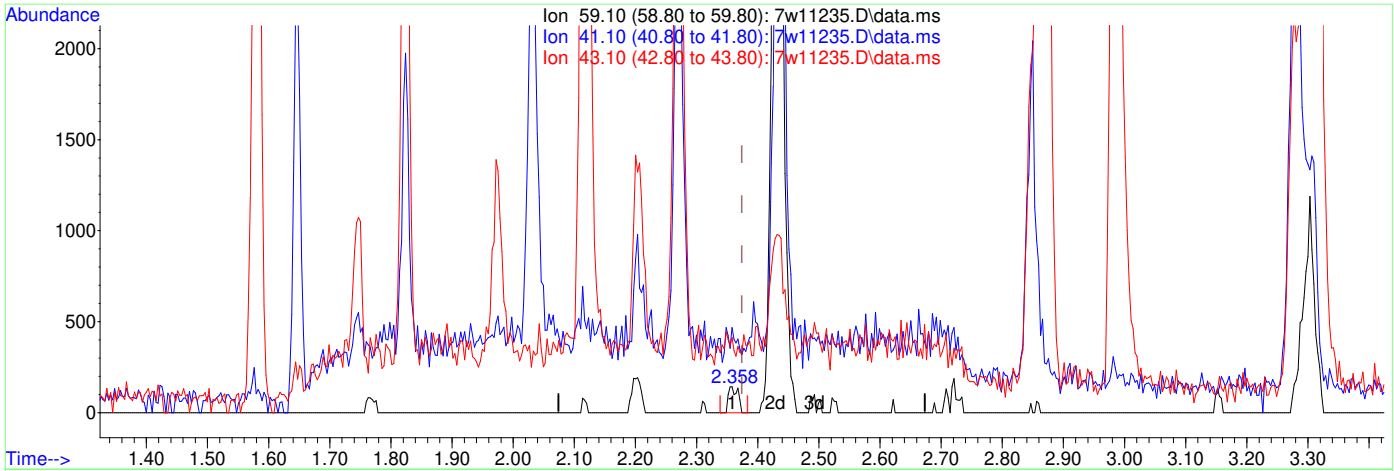
**Sample Number:** V7W405-IC405
**Lab FileID:** 7W11235.D
**Injection Time:** 12/28/24 10:32
**Method:** TO-15
**Analyst approved:** 12/30/24 00:11 Kanya Veerawat
**Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

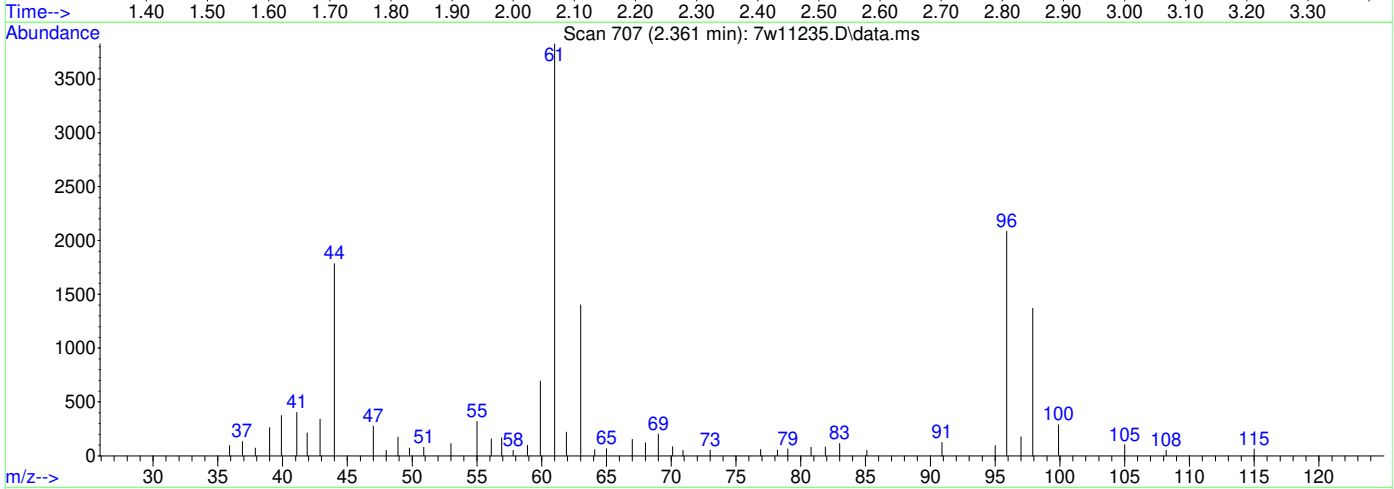
| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Ethanol | 64-17-5 | | 1.98 | Poor instrument integration |
| Acetonitrile | 75-05-8 | | 2.03 | Poor instrument integration |
| Acetone (2-Propanone) | 67-64-1 | | 2.12 | Poor instrument integration |
| TVHC As Equiv Pentane | | | 2.27 | Missed peak |
| Tertiary Butyl Alcohol | 75-65-0 | | 2.43 | Missed peak |
| 1,4-Dioxane | 123-91-1 | | 5.23 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.358min (-0.016) 0.01PPBV

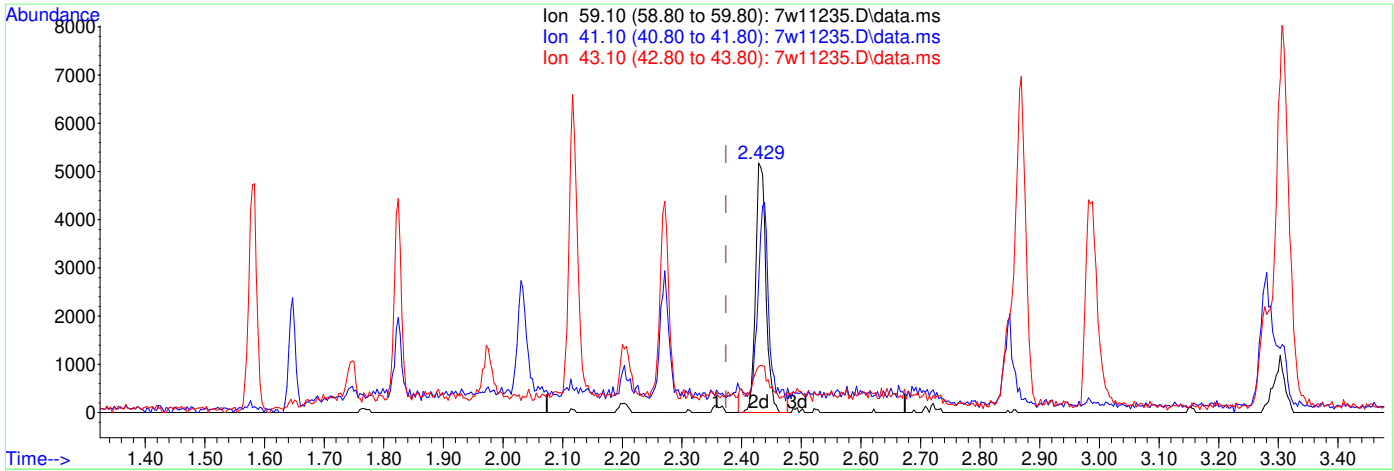
response 153

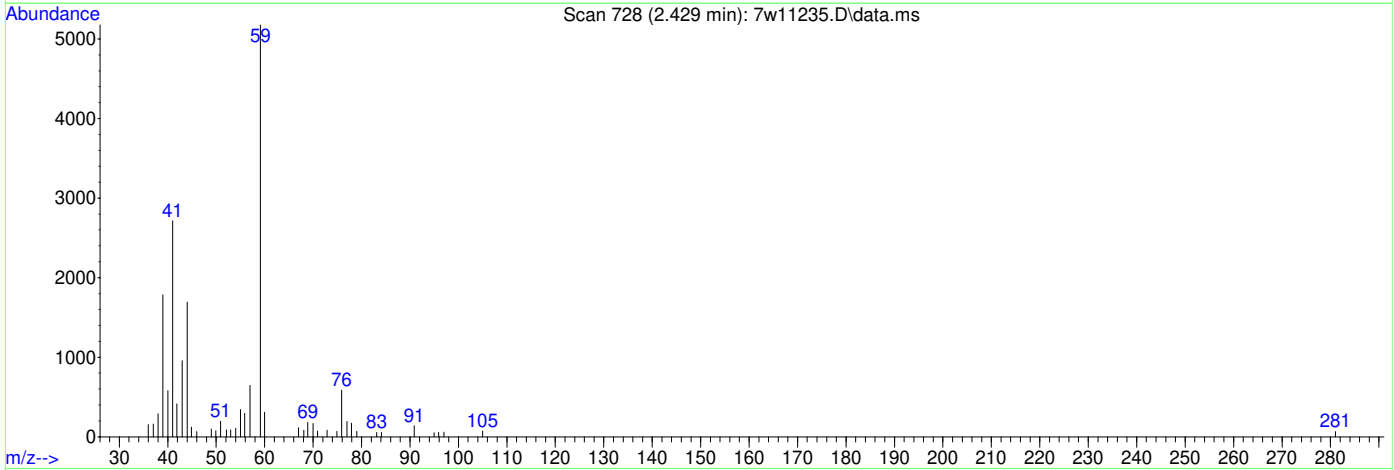
| Ion | Exp% | Act% |
|---|---|---|
| 59.10 | 100 | 100 |
| 41.10 | 20.40 | 87.58# |
| 43.10 | 14.20 | 81.70# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(35) TERTIARY BUTYL ALCOHOL (T)

2.429min (+0.055) 0.22PPBV m

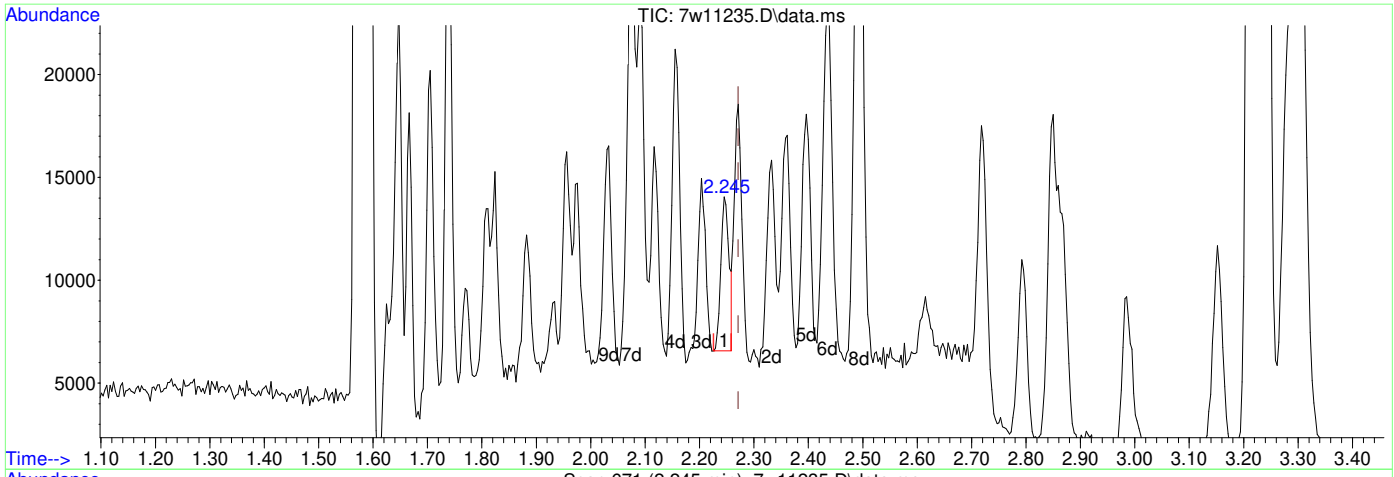
response 6213

| Ion | Exp% | Act% |
|---|---|---|
| 59.10 | 100 | 100 |
| 41.10 | 20.40 | 2.16# |
| 43.10 | 14.20 | 2.01# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.245min (-0.026) 0.14PPBV

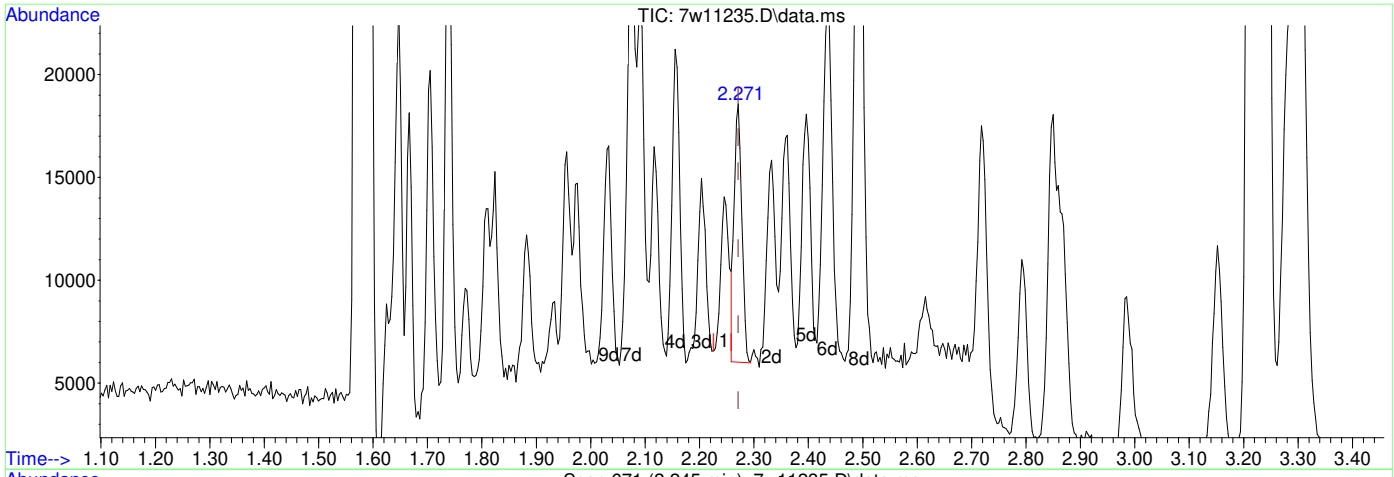
response 7940

| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:29:55 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(110) TVHC as equiv Pentane

2.271min (+0.000) 0.22PPBV m

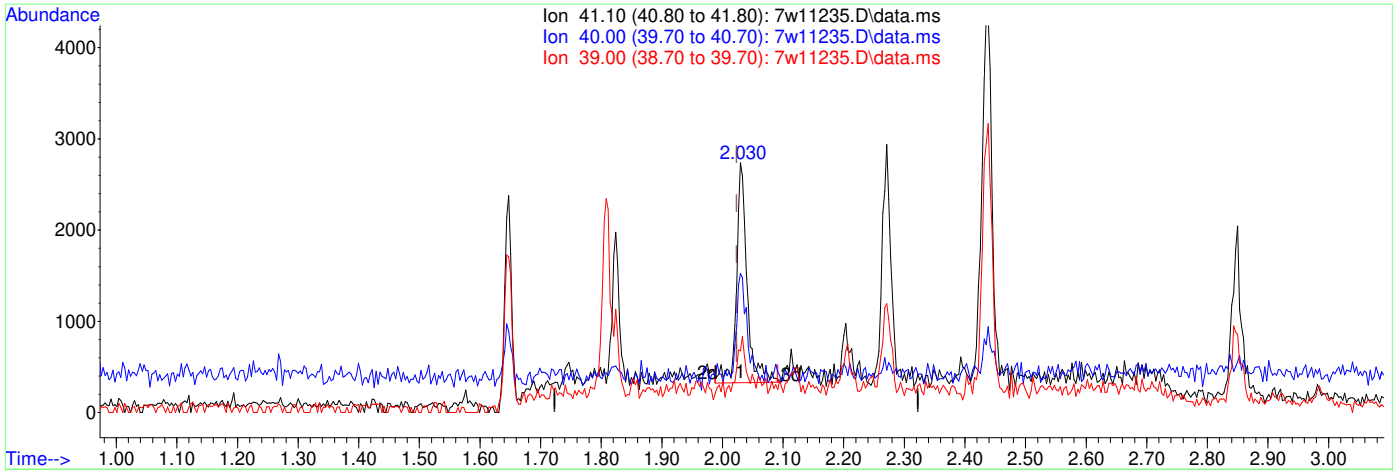
response 12241

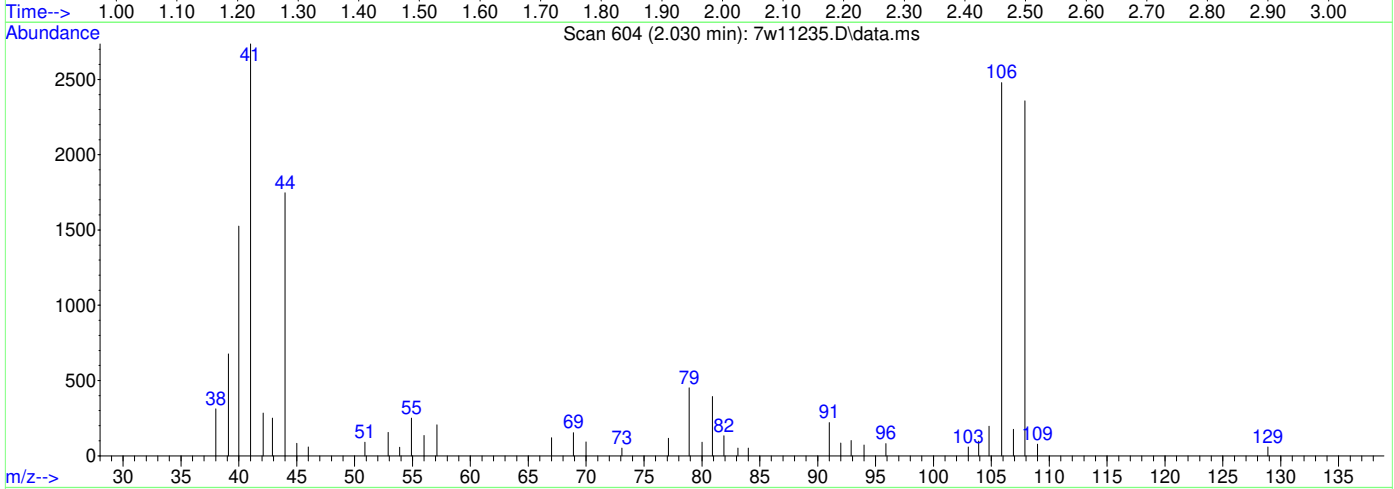
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.30PPBV

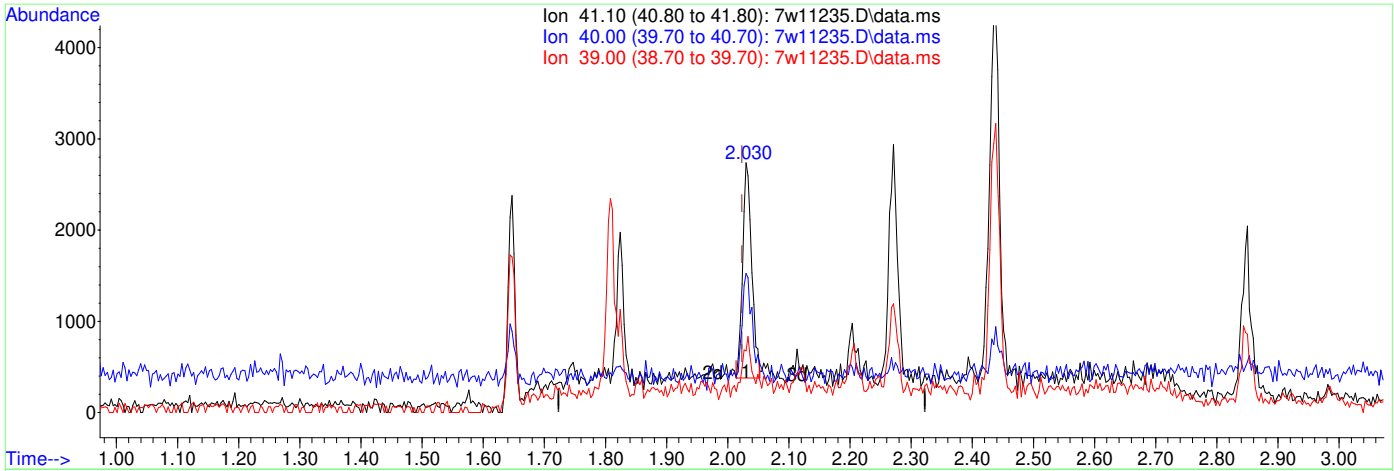
response 2967

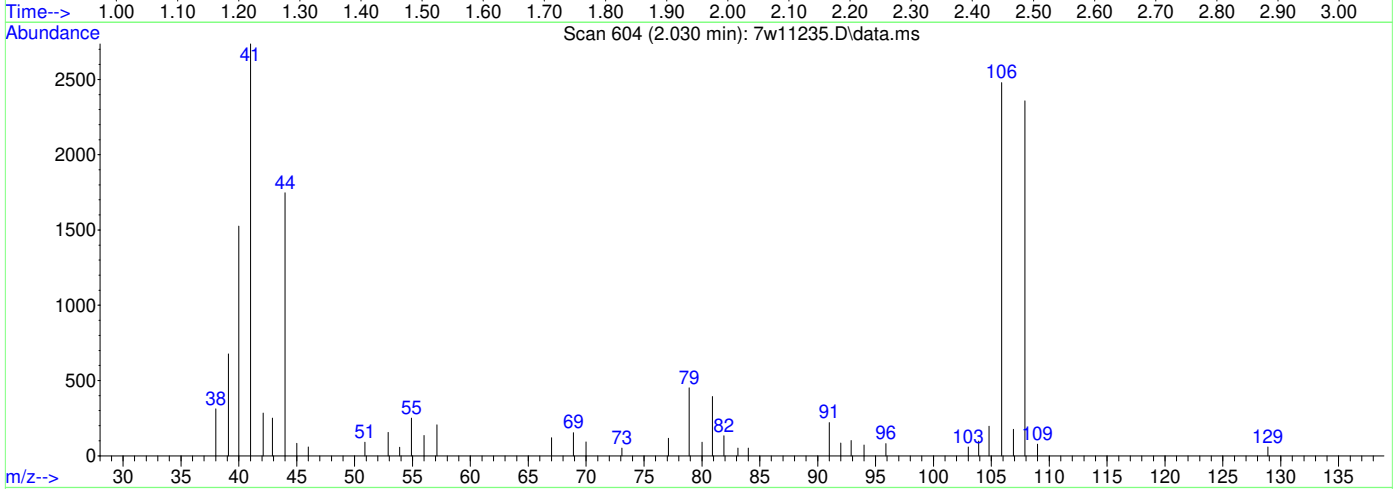
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.20 | 51.53 |
| 39.00 | 19.70 | 22.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(17) ACETONITRILE (T)

2.030min (+0.007) 0.24PPBV m

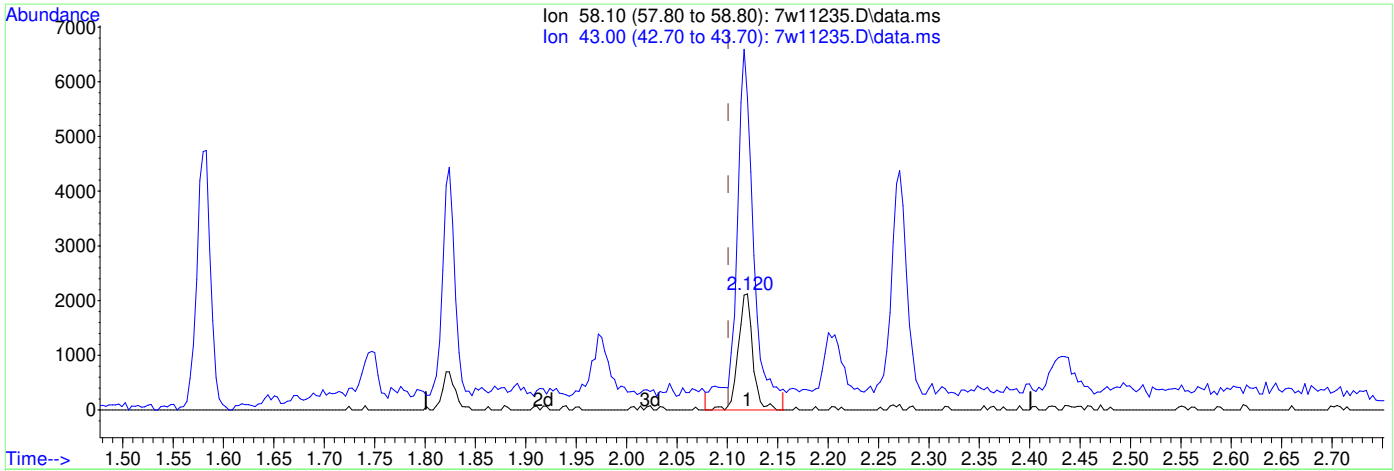
response 2440

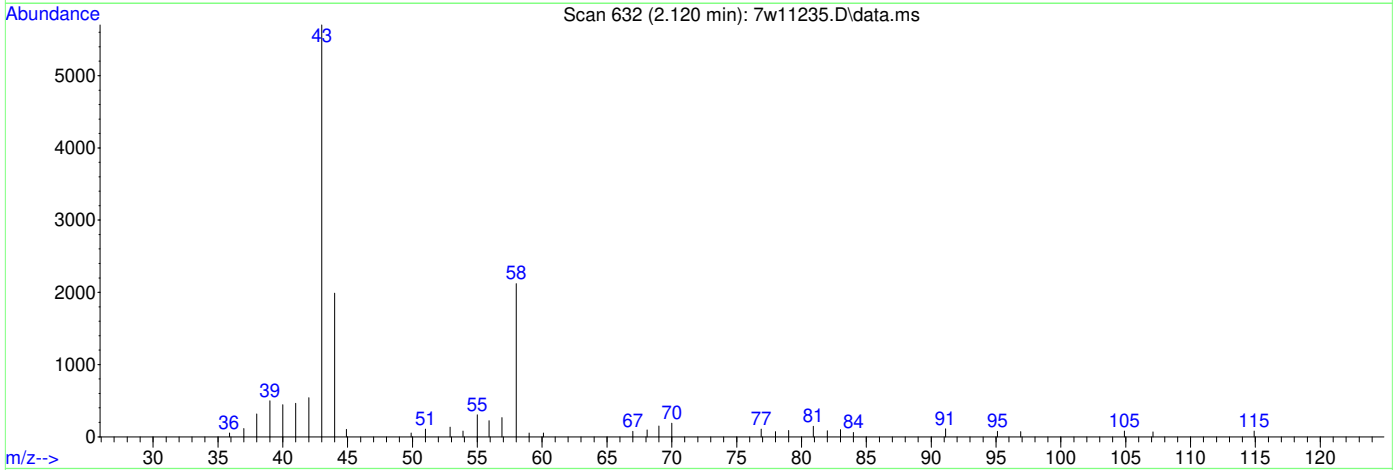
| Ion | Exp% | Act% |
|---|---|---|
| 41.10 | 100 | 100 |
| 40.00 | 54.20 | 62.66 |
| 39.00 | 19.70 | 26.76# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.34PPBV

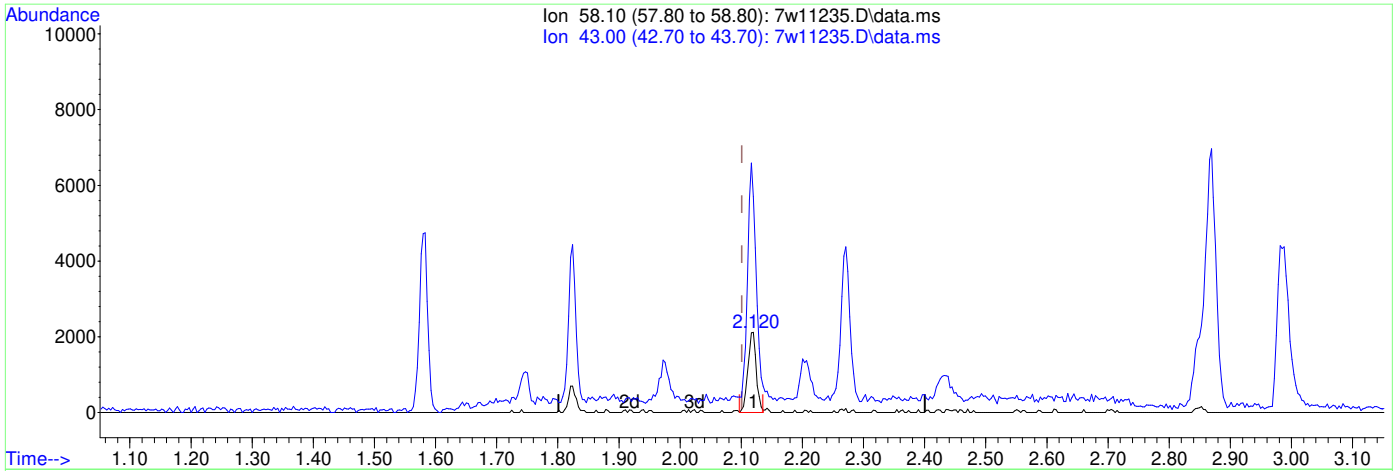
response 2106

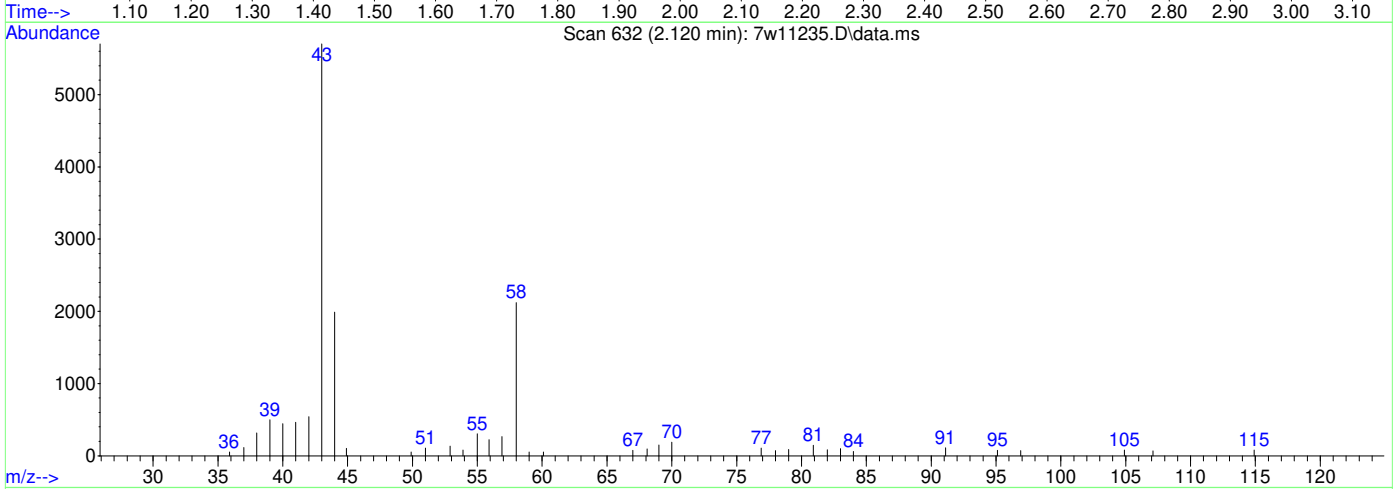
| Ion | Exp% | Act% |
|---|---|---|
| 58.10 | 100 | 100 |
| 43.00 | 334.80 | 308.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(23) ACETONE (T)

2.120min (+0.019) 0.33PPBV m

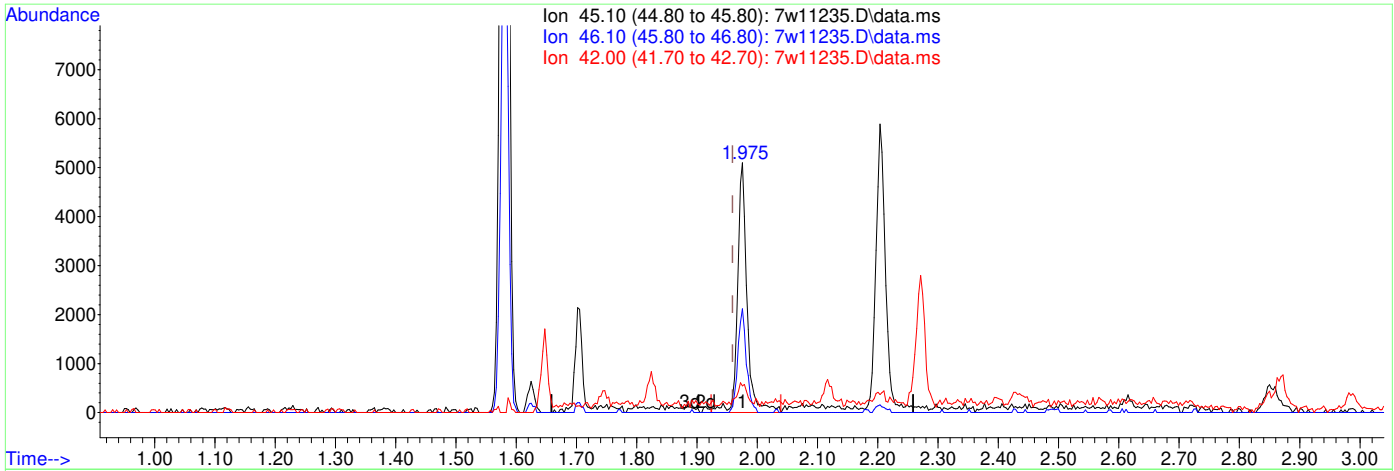
response 2022

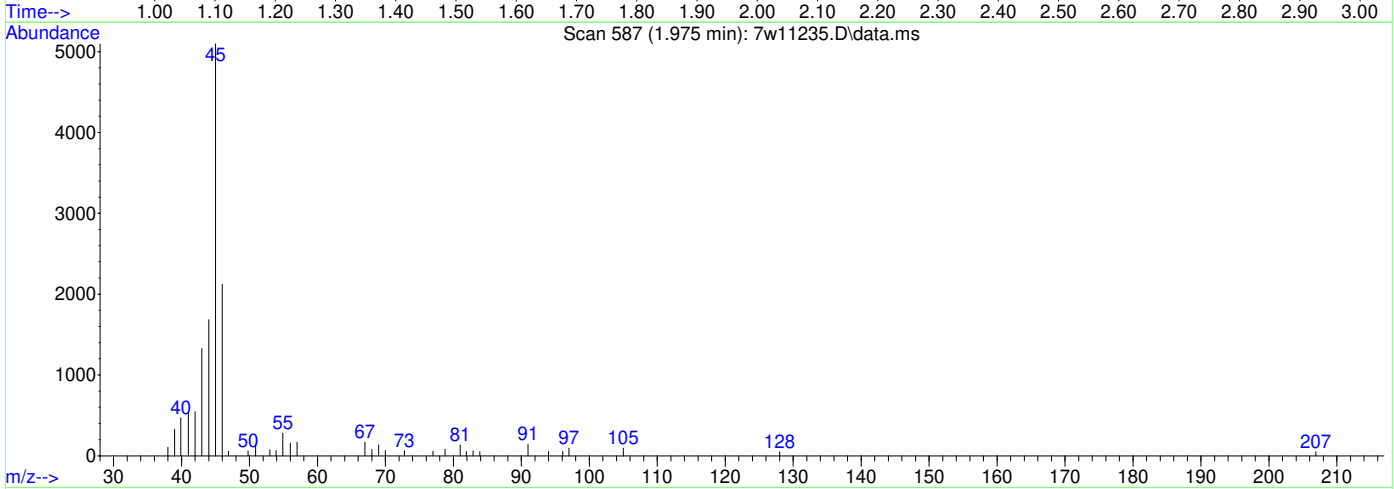
| Ion | Exp% | Act% |
|---|---|---|
| 58.10 | 100 | 100 |
| 43.00 | 334.80 | 320.87 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.80PPBV

response 5504

| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 37.95 |
| 42.00 | 9.00 | 11.10 |
| 0.00 | 0.00 | 0.00 |

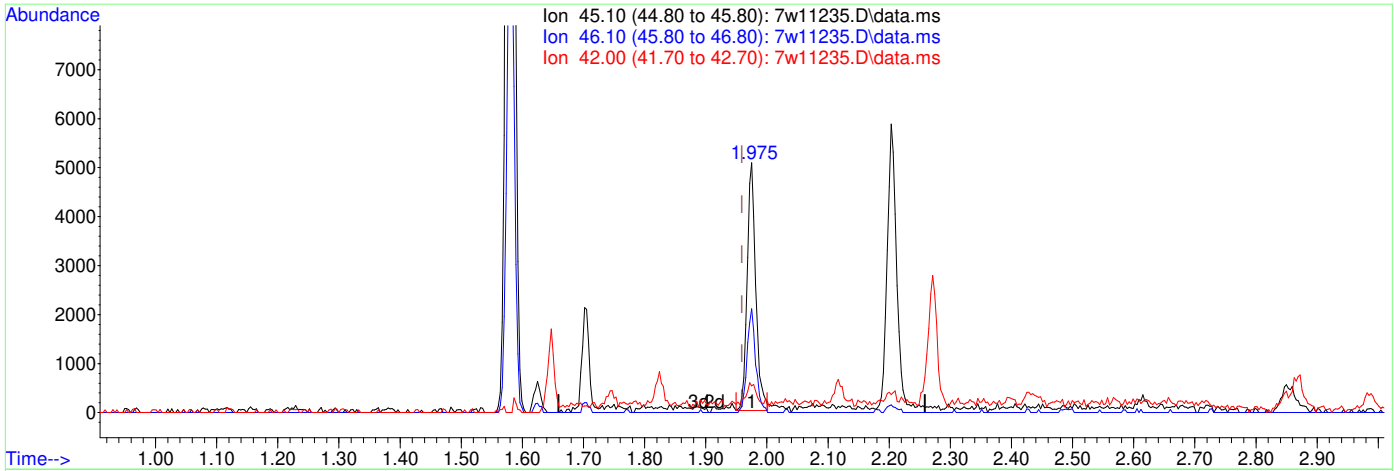


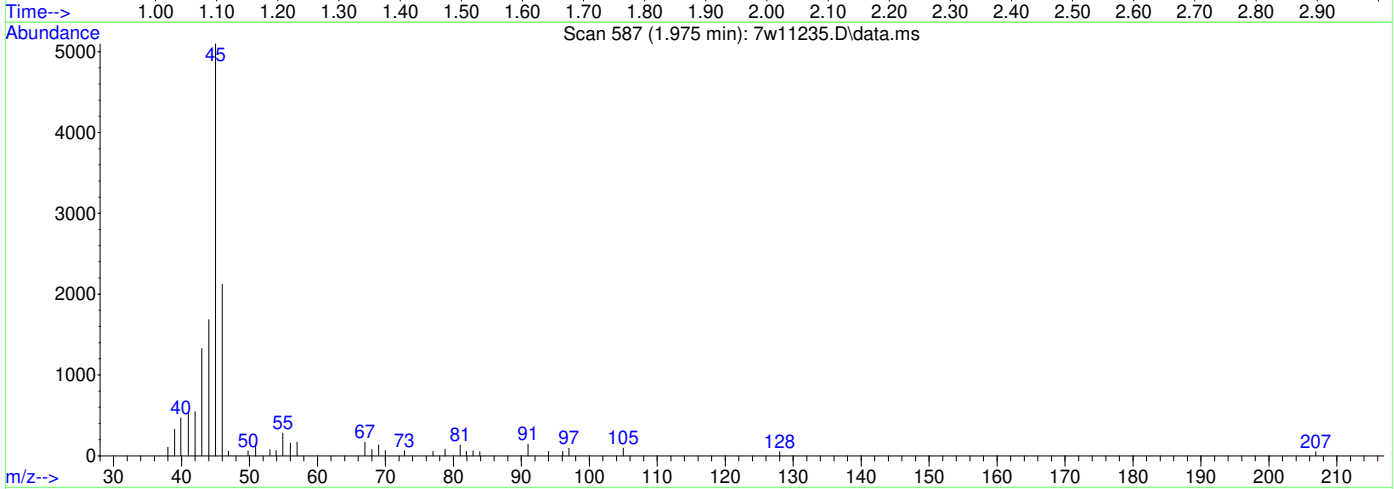
7W11235.D edits: ETHANOL

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(28) ETHANOL (T)

1.975min (+0.016) 0.72PPBV m

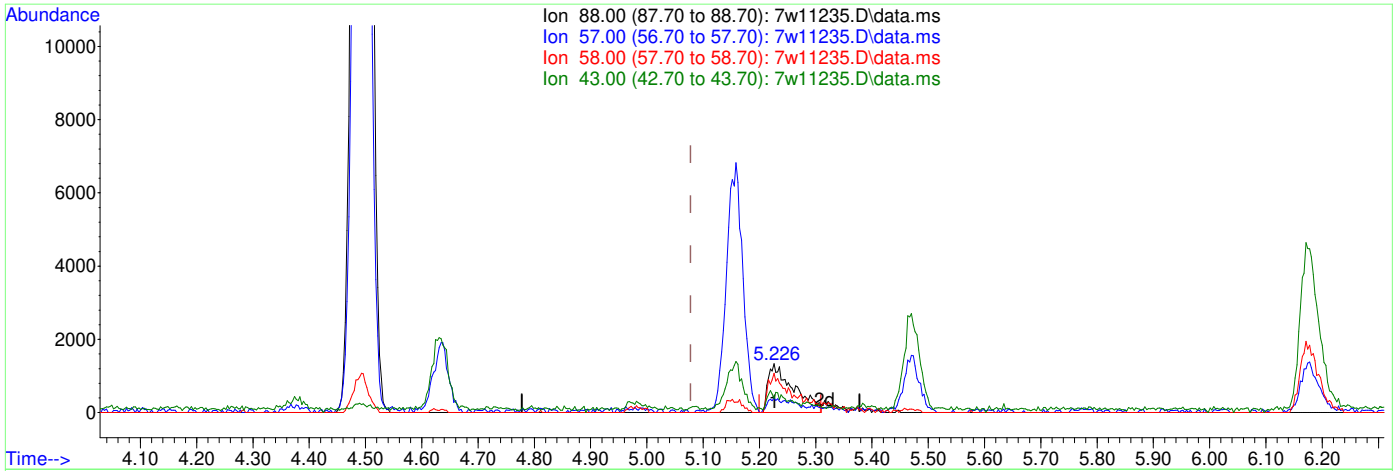
response 4943

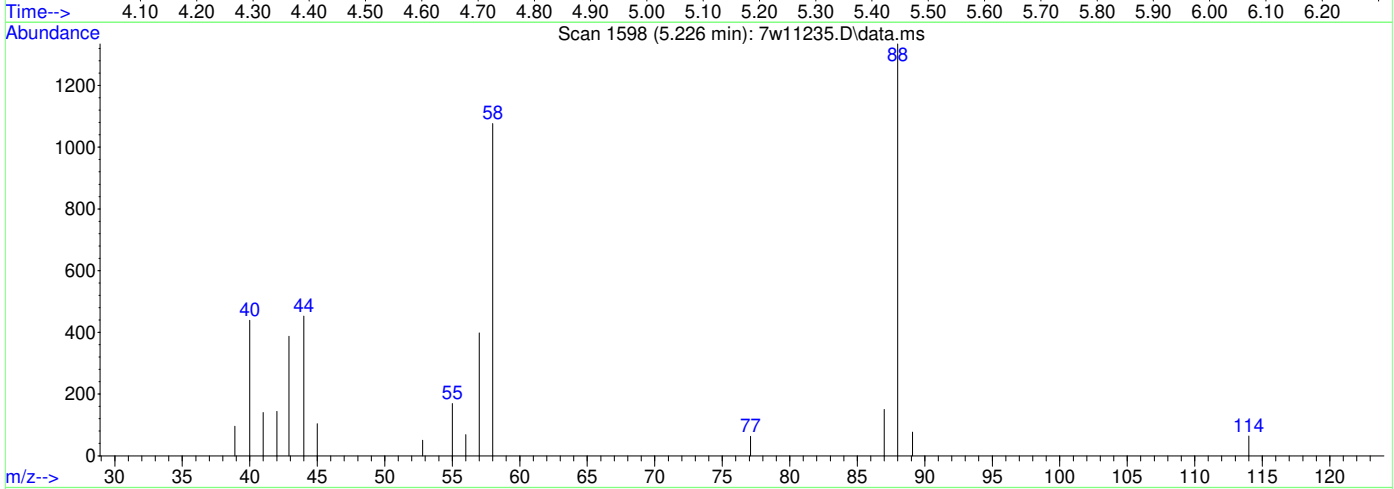
| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 42.26 |
| 42.00 | 9.00 | 12.36# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.43PPBV

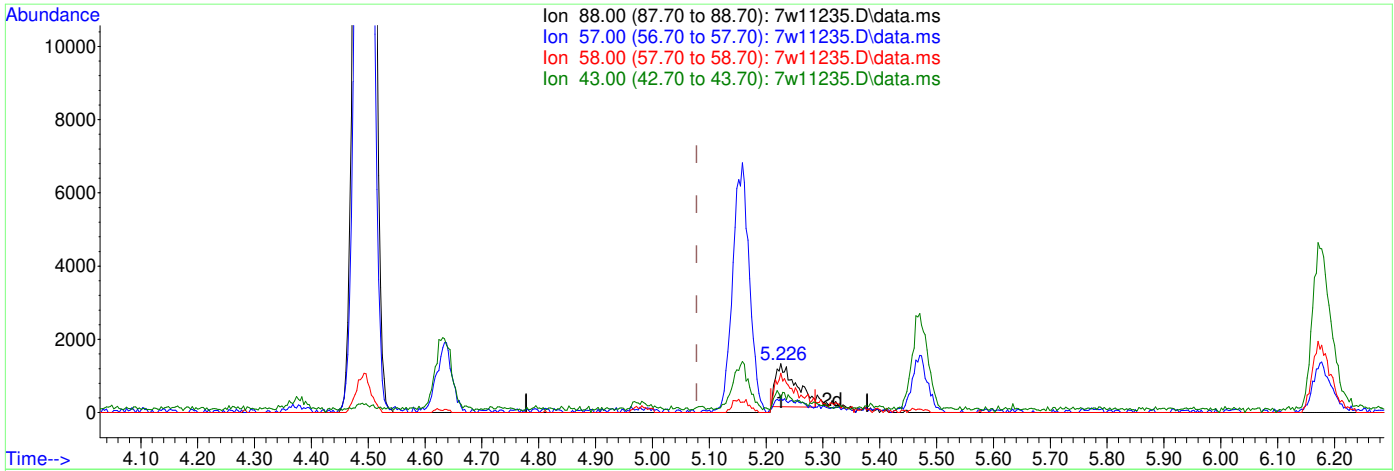
response 4150

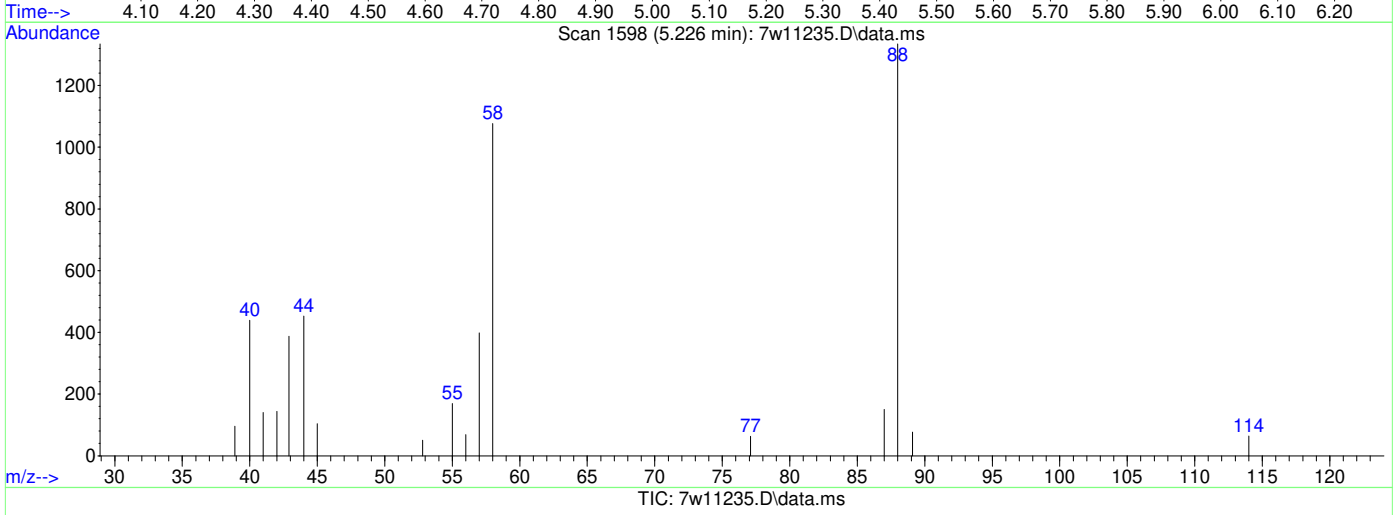
| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 57.00 | 21.40 | 33.30# |
| 58.00 | 71.40 | 76.77 |
| 43.00 | 28.80 | 37.20 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11235.D
Acq On : 28 Dec 2024 10:32 am
Operator : benk
Sample : ic405-0.20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 29 05:32:56 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:28:20 2024
Response via : Initial Calibration




TIC: 7w11235.D\data.ms

(61) 1,4-DIOXANE (T)

5.226min (+0.148) 0.31PPBV m

response 2954

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 57.00 | 21.40 | 46.78# |
| 58.00 | 71.40 | 107.85# |
| 43.00 | 28.80 | 52.27# |

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 12/30/24 00:15

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 130126 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 661732 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.030 | 117 | 600657 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 130126 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.380 | 95 | 428848 | 9.74 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 7461 | 0.80 | PPBV | | 97 |
| 3) FREON 152A | 1.628 | 65 | 3457 | 0.54 | PPBV | | 98 |
| 4) CHLORODIFLUOROMETHANE | 1.641 | 67 | 1753 | 0.56 | PPBV | | 93 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 8201 | 0.53 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 17786 | 0.54 | PPBV | | 99 |
| 7) PROPYLENE | 1.647 | 41 | 4729 | 0.61 | PPBV | | 96 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 13030 | 0.55 | PPBV | | 97 |
| 9) FREON 114 | 1.737 | 85 | 14652 | 0.56 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.708 | 52 | 1636 | 0.53 | PPBV | | 89 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 5781 | 0.52 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 4670 | 0.56 | PPBV | | 85 |
| 13) N-BUTANE | 1.824 | 43 | 9329 | 0.60 | PPBV | # | 93 |
| 14) BROMOMETHANE | 1.885 | 94 | 5284 | 0.56 | PPBV | | 98 |
| 15) CHLOROETHANE | 1.933 | 64 | 3113 | 0.55 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 12553 | 0.55 | PPBV | | 97 |
| 17) ACETONITRILE | 2.027 | 41 | 5180 | 0.55 | PPBV | | 98 |
| 18) ACROLEIN | 2.065 | 56 | 2982 | 0.60 | PPBV | | 92 |
| 19) FREON 123 | 2.075 | 83 | 13106 | 0.55 | PPBV | | 98 |
| 20) FREON 123A | 2.094 | 117 | 8580 | 0.57 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 15558 | 0.54 | PPBV | | 94 |
| 22) ISOPROPYL ALCOHOL | 2.184 | 45 | 12758 | 0.57 | PPBV | | 94 |
| 23) ACETONE | 2.107 | 58 | 3383 | 0.59 | PPBV | | 95 |
| 24) PENTANE | 2.271 | 42 | 6568 | 0.59 | PPBV | | 99 |
| 25) IODOMETHANE | 2.332 | 142 | 15154 | 0.57 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 6019 | 0.58 | PPBV | | 93 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 15735 | 0.55 | PPBV | # | 87 |
| 28) ETHANOL | 1.962 | 45 | 4727m | 0.78 | PPBV | | |
| 29) BROMOETHENE | 2.030 | 106 | 5411 | 0.54 | PPBV | # | 93 |
| 30) ACRYLONITRILE | 2.242 | 52 | 4847 | 0.63 | PPBV | | 94 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 6063m | 0.66 | PPBV | | |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 2853 | 0.54 | PPBV | | 99 |
| 33) FREON 113 | 2.490 | 151 | 9324 | 0.54 | PPBV | | 97 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 6105 | 0.55 | PPBV | | 97 |
| 35) TERTIARY BUTYL ALCOHOL | 2.396 | 59 | 14539 | 0.54 | PPBV | | 92 |
| 36) METHYL TERTIARY BUTYL ... | 2.830 | 73 | 18535 | 0.56 | PPBV | # | 94 |
| 37) TETRAHYDROFURAN | 3.525 | 72 | 2976 | 0.54 | PPBV | | 93 |
| 38) HEXANE | 3.277 | 57 | 11414 | 0.57 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.863 | 86 | 1803 | 0.56 | PPBV | | 90 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 11928 | 0.56 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.965 | 72 | 3166 | 0.55 | PPBV | | 95 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 6909 | 0.57 | PPBV | | 96 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 3289 | 0.57 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.290 | 61 | 2317 | 0.56 | PPBV | | 96 |
| 45) METHYL ACRYLATE | 3.277 | 55 | 13660 | 0.56 | PPBV | # | 99 |
| 46) CHLOROFORM | 3.297 | 83 | 13724 | 0.58 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 12969 | 0.56 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 14399 | 0.56 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 13974 | 0.50 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.702 | 62 | 10257 | 0.56 | PPBV | | 99 |
| 51) | BENZENE | 4.171 | 78 | 19367 | 0.57 | PPBV | | 99 |
| 53) | CYCLOHEXANE | 4.374 | 84 | 8799 | 0.56 | PPBV | | 96 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 4644 | 0.58 | PPBV | | 97 |
| 55) | TRICHLOROETHENE | 5.059 | 95 | 9453 | 0.55 | PPBV | | 95 |
| 56) | 1,2-DICHLOROPROPANE | 4.827 | 63 | 7706 | 0.53 | PPBV | | 99 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 8465 | 0.57 | PPBV | | 98 |
| 58) | ETHYL ACRYLATE | 4.956 | 55 | 16033 | 0.50 | PPBV | | 96 |
| 59) | BROMODICHLOROMETHANE | 5.007 | 83 | 14110 | 0.50 | PPBV | | 95 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.152 | 57 | 35677 | 0.56 | PPBV | | 100 |
| 61) | 1,4-DIOXANE | 5.139 | 88 | 4905 | 0.53 | PPBV | # | 1 |
| 62) | HEPTANE | 5.467 | 43 | 13181 | 0.59 | PPBV | | 96 |
| 63) | METHYL METHACRYLATE | 5.371 | 69 | 7721 | 0.56 | PPBV | | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.116 | 58 | 6846 | 0.53 | PPBV | | 94 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.988 | 75 | 12166 | 0.51 | PPBV | | 96 |
| 66) | TOLUENE | 7.184 | 91 | 24314 | 0.53 | PPBV | | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 11960 | 0.53 | PPBV | | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 10484 | 0.46 | PPBV | | 92 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.817 | 83 | 7092 | 0.54 | PPBV | | 98 |
| 70) | 2-HEXANONE | 7.788 | 58 | 9642 | 0.50 | PPBV | | 98 |
| 71) | ETHYL METHACRYLATE | 7.898 | 69 | 12529 | 0.51 | PPBV | | 99 |
| 72) | TETRACHLOROETHENE | 8.904 | 164 | 9969 | 0.56 | PPBV | | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 14205 | 0.49 | PPBV | | 98 |
| 74) | 1,2-DIBROMOETHANE | 8.055 | 107 | 13114 | 0.53 | PPBV | | 99 |
| 75) | OCTANE | 9.055 | 43 | 17337 | 0.55 | PPBV | | 98 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.113 | 131 | 10660 | 0.53 | PPBV | | 97 |
| 78) | CHLOROBENZENE | 10.103 | 112 | 19943 | 0.55 | PPBV | | 99 |
| 79) | ETHYLBENZENE | 10.988 | 91 | 32514 | 0.56 | PPBV | | 100 |
| 80) | M,P-XYLENE | 11.409 | 91 | 51003 | 1.10 | PPBV | | 94 |
| 81) | O-XYLENE | 12.341 | 91 | 25344 | 0.55 | PPBV | | 99 |
| 82) | STYRENE | 12.136 | 104 | 18328 | 0.51 | PPBV | | 99 |
| 83) | NONANE | 13.470 | 43 | 17721 | 0.55 | PPBV | | 98 |
| 84) | BROMOFORM | 11.219 | 173 | 12250 | 0.49 | PPBV | | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.351 | 83 | 17300 | 0.54 | PPBV | | 99 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 13495 | 0.52 | PPBV | # | 99 |
| 88) | ISOPROPYLBENZENE | 13.849 | 120 | 9703 | 0.52 | PPBV | | 97 |
| 89) | BROMOBENZENE | 13.714 | 77 | 17543 | 0.51 | PPBV | | 97 |
| 90) | 2-CHLOROTOLUENE | 14.849 | 126 | 8301 | 0.48 | PPBV | | 99 |
| 91) | N-PROPYLBENZENE | 15.190 | 120 | 9518 | 0.49 | PPBV | | 99 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 34399 | 0.50 | PPBV | # | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.914 | 105 | 29336 | 0.51 | PPBV | | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.209 | 118 | 13890 | 0.46 | PPBV | | 98 |
| 95) | TERT-BUTYLBENZENE | 16.524 | 134 | 7147 | 0.52 | PPBV | | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 29945 | 0.52 | PPBV | | 100 |
| 97) | BENZYL CHLORIDE | 16.624 | 91 | 22336 | 0.41 | PPBV | | 98 |
| 98) | M-DICHLOROBENZENE | 16.595 | 146 | 19313 | 0.48 | PPBV | | 99 |
| 99) | P-DICHLOROBENZENE | 16.688 | 146 | 19478 | 0.50 | PPBV | | 100 |
| 100) | O-DICHLOROBENZENE | 17.007 | 146 | 18748 | 0.51 | PPBV | | 99 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 8964 | 0.52 | PPBV | | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.952 | 105 | 29312 | 0.51 | PPBV | | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 9615 | 0.50 | PPBV | | 95 |
| 104) | N-BUTYLBENZENE | 17.393 | 134 | 9503 | 0.50 | PPBV | | 99 |
| 105) | HEXACHLOROETHANE | 17.573 | 117 | 10657 | 0.46 | PPBV | | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.630 | 225 | 13635 | 0.48 | PPBV | | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.322 | 180 | 13109 | 0.36 | PPBV | | 98 |
| 108) | NAPHTHALENE | 18.367 | 128 | 25591 | 0.32 | PPBV | | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 31378m | 0.58 | PPBV | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration

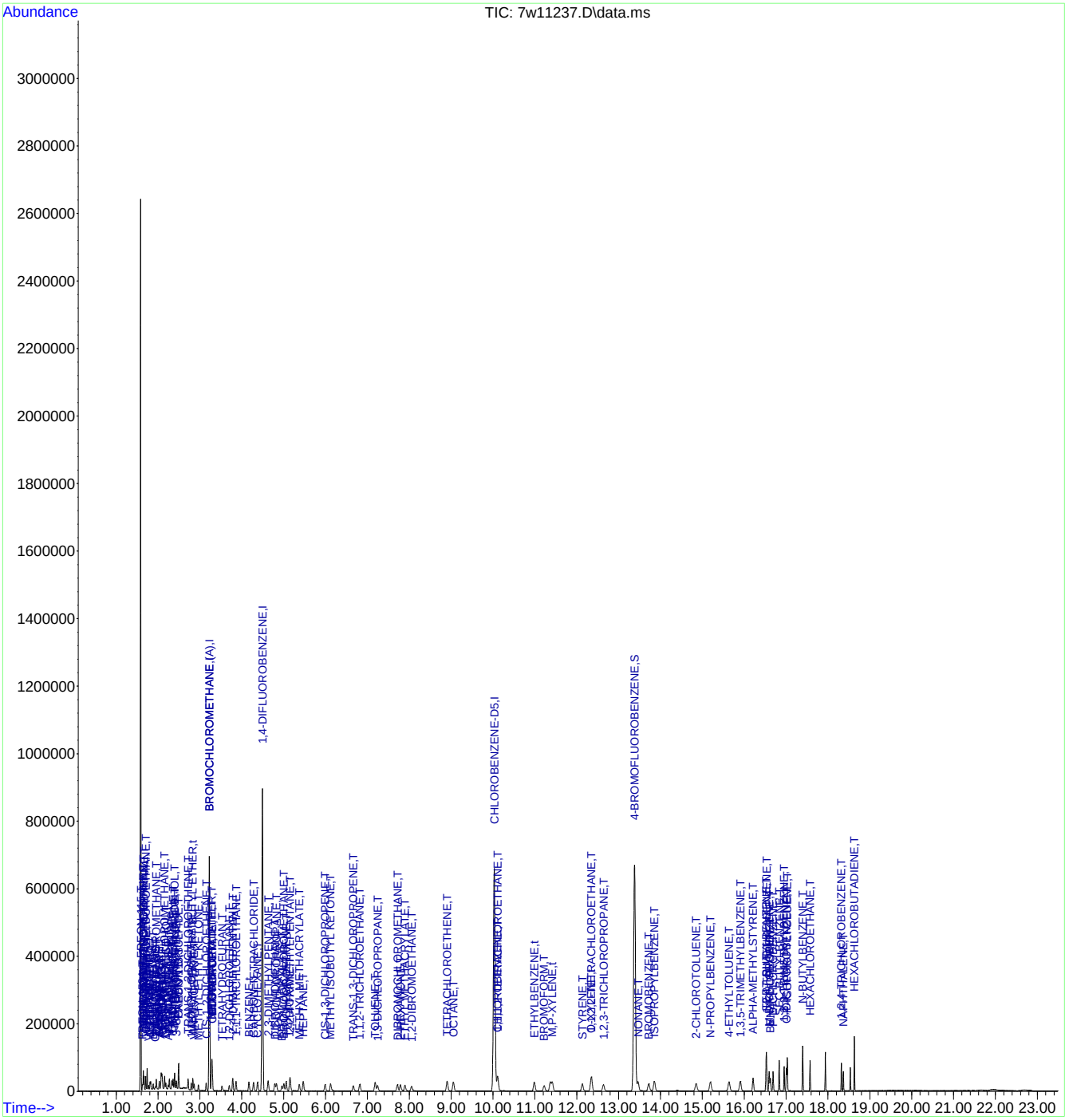
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:20:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration



# Manual Integration Approval Summary



**Sample Number:** V7W405-IC405
**Lab FileID:** 7W11237.D
**Injection Time:** 12/28/24 11:51

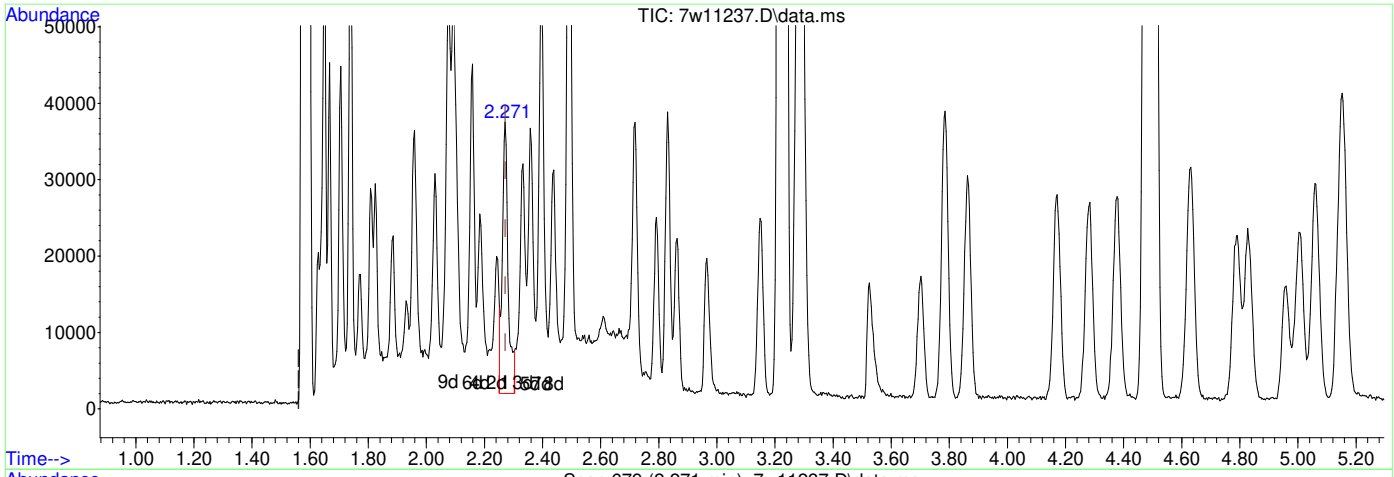
**Method:** TO-15
**Analyst approved:** 12/30/24 00:11 Kanya Veerawat
**Supervisor approved:** 12/30/24 00:15 Kanya Veerawat

| Parameter | CAS | Sig# | R.T. (min.) | Reason |
|---|---|---|---|---|
| Ethanol | 64-17-5 | | 1.96 | Poor instrument integration |
| TVHC As Equiv Pentane | | | 2.27 | Poor instrument integration |
| Methylene chloride | 75-09-2 | | 2.40 | Poor instrument integration |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.90PPBV

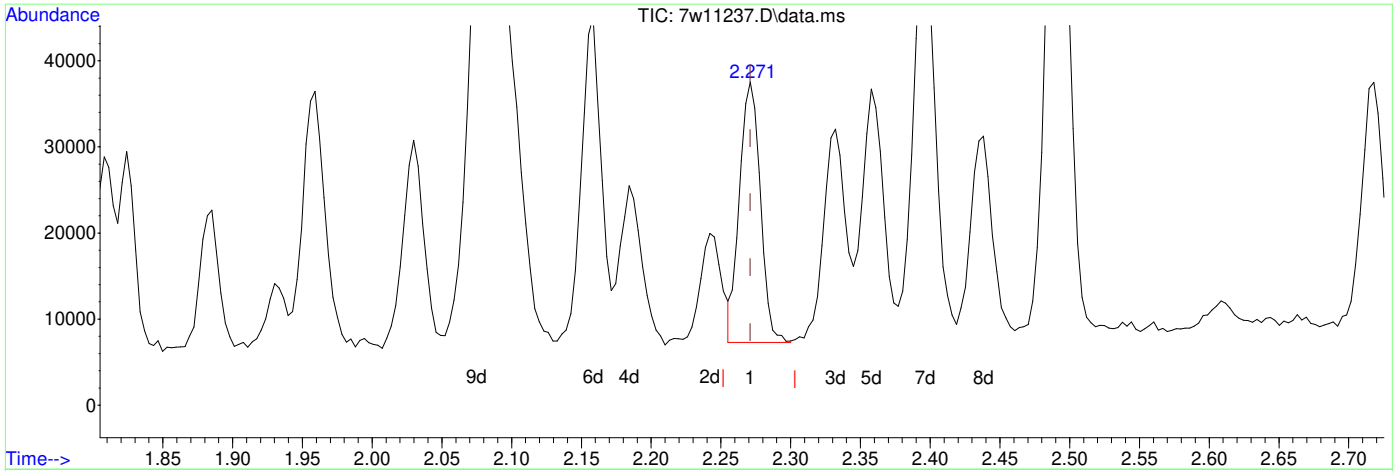
response 48575

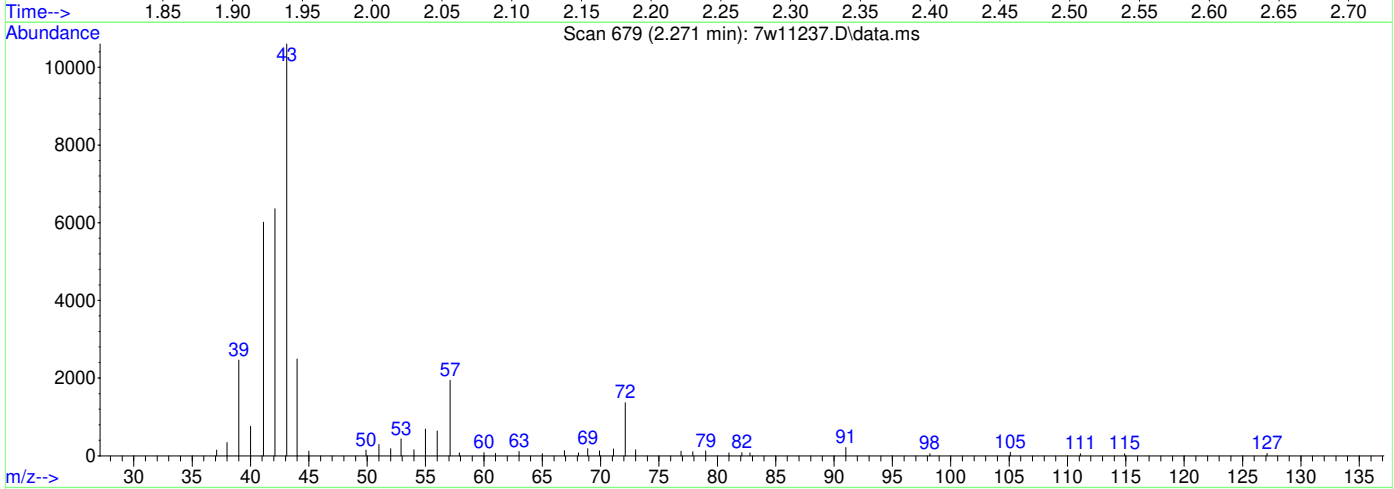
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(110) TVHC as equiv Pentane

2.271min (-0.000) 0.58PPBV m

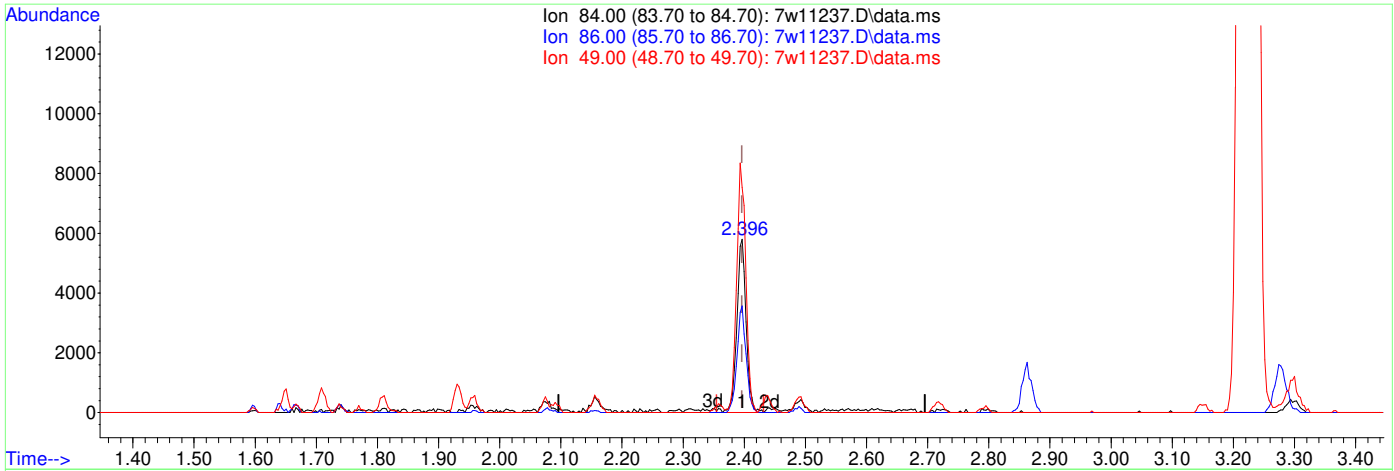
response 31378

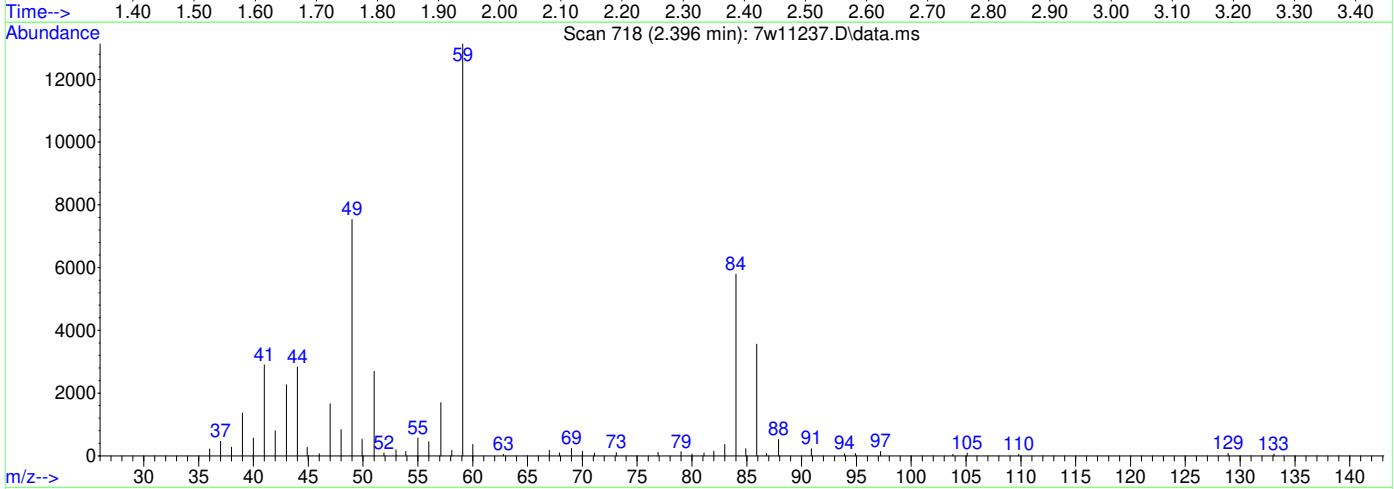
| Signal | Exp% | Act% |
|---|---|---|
| TIC | 100 | 100 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.67PPBV

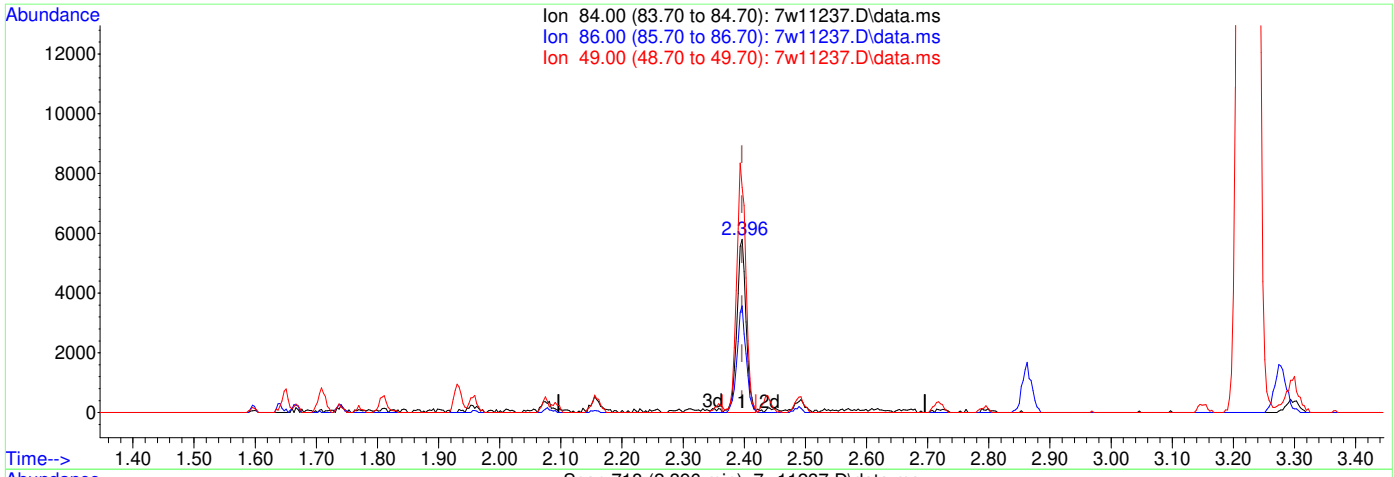
response 6163

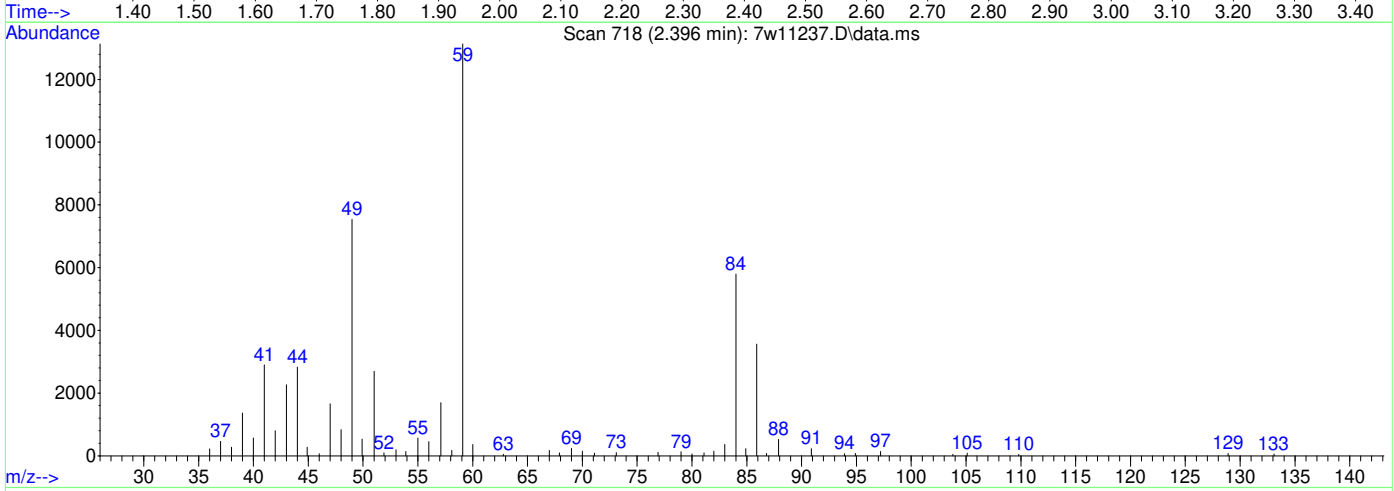
| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 86.00 | 65.70 | 59.99 |
| 49.00 | 148.40 | 145.94 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(31) METHYLENE CHLORIDE (T)

2.396min (+0.000) 0.66PPBV m

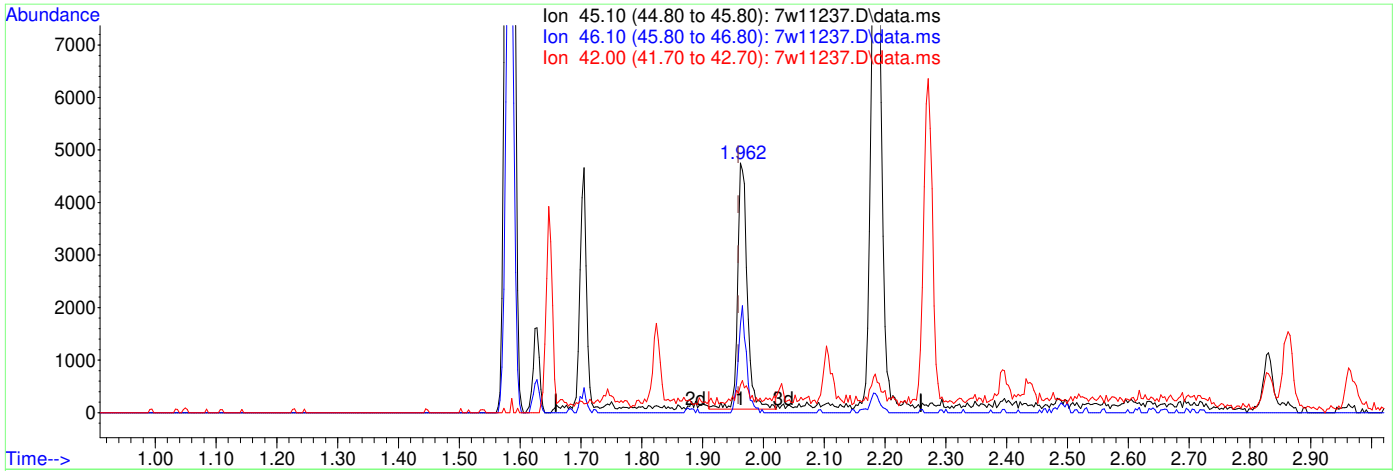
response 6063

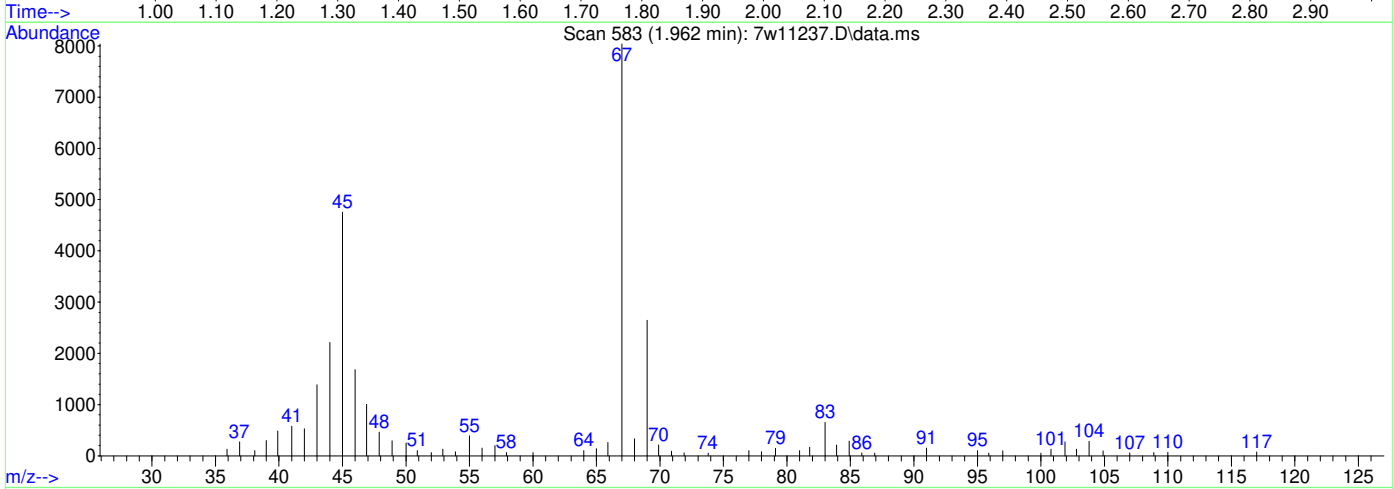
| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 86.00 | 65.70 | 60.98 |
| 49.00 | 148.40 | 148.34 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.84PPBV

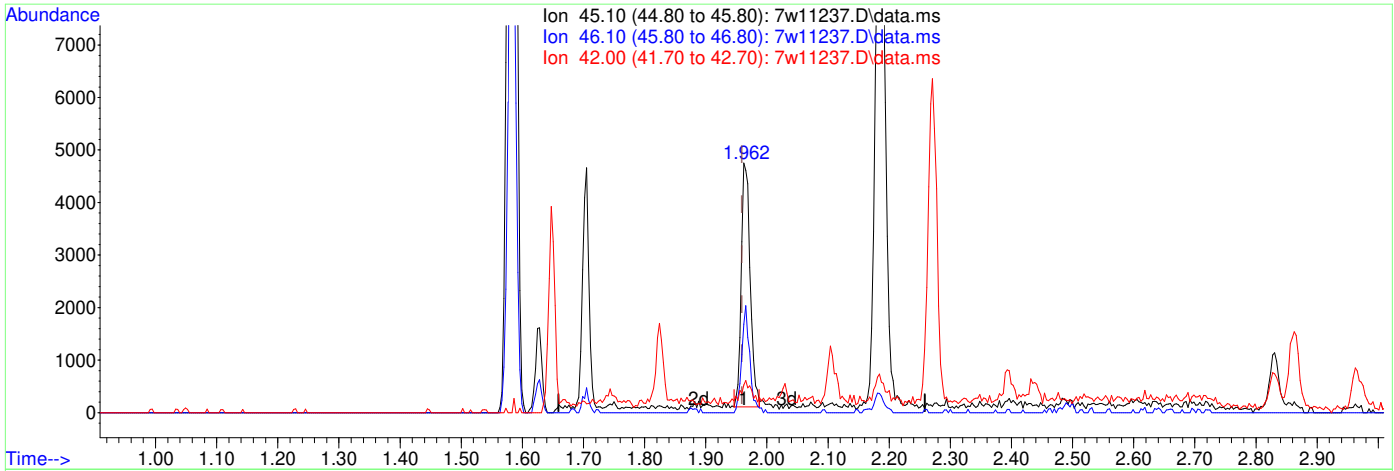
response 5104

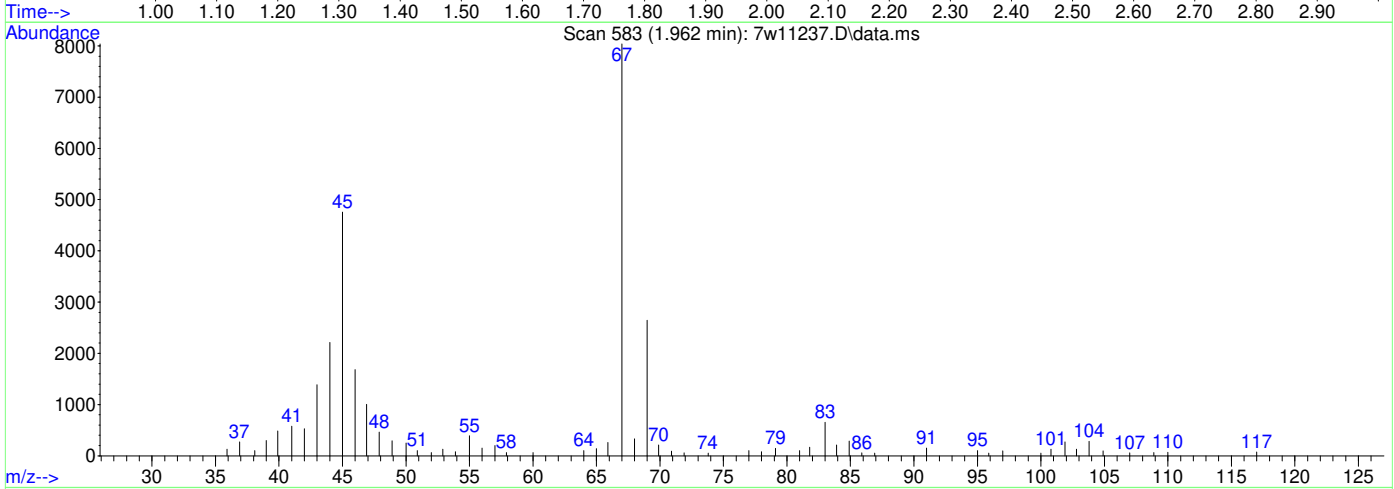
| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 36.68 |
| 42.00 | 9.00 | 13.09# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 7w11237.D
Acq On : 28 Dec 2024 11:51 am
Operator : benk
Sample : ic405-0.50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:09:53 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:06:59 2024
Response via : Initial Calibration




TIC: 7w11237.D\data.ms

(28) ETHANOL (T)

1.962min (+0.003) 0.78PPBV m

response 4727

| Ion | Exp% | Act% |
|---|---|---|
| 45.10 | 100 | 100 |
| 46.10 | 40.80 | 39.60 |
| 42.00 | 9.00 | 14.13# |
| 0.00 | 0.00 | 0.00 |



7W11237.D edits: ETHANOL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 131992 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 667855 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.036 | 117 | 626654 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 131920 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 462248 | 10.08 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.599 | 119 | 10064 | 0.92 | PPBV | | 94 |
| 3) FREON 152A | 1.628 | 65 | 33700 | 5.21 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 1.641 | 67 | 15976 | 5.06 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 80059 | 5.13 | PPBV | | 98 |
| 6) DICHLORODIFLUOROMETHANE | 1.670 | 85 | 173239 | 5.25 | PPBV | | 99 |
| 7) PROPYLENE | 1.650 | 41 | 41238 | 5.25 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 127875 | 5.29 | PPBV | | 98 |
| 9) FREON 114 | 1.740 | 85 | 144861 | 5.50 | PPBV | | 99 |
| 10) CHLOROMETHANE | 1.711 | 52 | 15800 | 5.06 | PPBV | | 96 |
| 11) VINYL CHLORIDE | 1.773 | 62 | 57502 | 5.10 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.811 | 54 | 43964 | 5.19 | PPBV | | 97 |
| 13) N-BUTANE | 1.827 | 43 | 81043 | 5.16 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.885 | 94 | 50054 | 5.27 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.933 | 64 | 29393 | 5.09 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.959 | 67 | 120507 | 5.21 | PPBV | | 99 |
| 17) ACETONITRILE | 2.030 | 41 | 47324 | 4.94 | PPBV | | 100 |
| 18) ACROLEIN | 2.065 | 56 | 25829 | 5.10 | PPBV | | 96 |
| 19) FREON 123 | 2.078 | 83 | 127410 | 5.25 | PPBV | | 99 |
| 20) FREON 123A | 2.094 | 117 | 83554 | 5.51 | PPBV | | 100 |
| 21) TRICHLOROFLUOROMETHANE | 2.162 | 101 | 156031 | 5.30 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.191 | 45 | 120912 | 5.38 | PPBV | | 98 |
| 23) ACETONE | 2.107 | 58 | 31346 | 5.48 | PPBV | | 99 |
| 24) PENTANE | 2.274 | 42 | 59564 | 5.29 | PPBV | | 99 |
| 25) IODOMETHANE | 2.335 | 142 | 150640 | 5.59 | PPBV | | 99 |
| 26) 1,1-DICHLOROETHYLENE | 2.364 | 96 | 56281 | 5.40 | PPBV | | 97 |
| 27) CARBON DISULFIDE | 2.496 | 76 | 148579 | 5.14 | PPBV | | 97 |
| 28) ETHANOL | 1.969 | 45 | 36620 | 6.22 | PPBV | | 99 |
| 29) BROMOETHENE | 2.036 | 106 | 54180 | 5.33 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.245 | 52 | 43642 | 5.65 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.400 | 84 | 49865 | 5.35 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.441 | 76 | 27594 | 5.21 | PPBV | | 97 |
| 33) FREON 113 | 2.496 | 151 | 94391 | 5.44 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.721 | 96 | 59643 | 5.32 | PPBV | | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.396 | 59 | 139322 | 5.10 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.830 | 73 | 179162 | 5.34 | PPBV | | 97 |
| 37) TETRAHYDROFURAN | 3.518 | 72 | 29434 | 5.26 | PPBV | | 97 |
| 38) HEXANE | 3.281 | 57 | 107163 | 5.24 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.866 | 86 | 15656 | 4.82 | PPBV | | 94 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 112446 | 5.24 | PPBV | | 99 |
| 41) METHYL ETHYL KETONE | 2.962 | 72 | 31098 | 5.28 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 64258 | 5.22 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 31191 | 5.39 | PPBV | | 97 |
| 44) ETHYL ACETATE | 3.290 | 61 | 22898 | 5.46 | PPBV | | 96 |
| 45) METHYL ACRYLATE | 3.274 | 55 | 129647 | 5.28 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.300 | 83 | 128139 | 5.33 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.792 | 57 | 123380 | 5.22 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 138013 | 5.27 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.287 | 117 | 143015 | 5.07 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.705 | 62 | 97467 | 5.27 | PPBV | | 100 |
| 51) BENZENE | 4.174 | 78 | 184175 | 5.34 | PPBV | | 100 |
| 53) CYCLOHEXANE | 4.383 | 84 | 81438 | 5.13 | PPBV | | 98 |
| 54) 2,3-DIMETHYLPENTANE | 4.634 | 71 | 42493 | 5.21 | PPBV | | 99 |
| 55) TRICHLOROETHENE | 5.062 | 95 | 88289 | 5.08 | PPBV | | 98 |
| 56) 1,2-DICHLOROPROPANE | 4.834 | 63 | 73869 | 5.04 | PPBV | | 99 |
| 57) DIBROMOMETHANE | 4.792 | 174 | 75119 | 4.95 | PPBV | | 99 |
| 58) ETHYL ACRYLATE | 4.956 | 55 | 163994 | 5.11 | PPBV | | 99 |
| 59) BROMODICHLOROMETHANE | 5.010 | 83 | 141102 | 4.96 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.158 | 57 | 343171 | 5.32 | PPBV | | 99 |
| 61) 1,4-DIOXANE | 5.116 | 88 | 52796 | 5.80 | PPBV | # | 63 |
| 62) HEPTANE | 5.470 | 43 | 118231 | 5.24 | PPBV | | 100 |
| 63) METHYL METHACRYLATE | 5.370 | 69 | 74099 | 5.29 | PPBV | | 99 |
| 64) METHYL ISOBUTYL KETONE | 6.116 | 58 | 72901 | 5.68 | PPBV | | 99 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 121502 | 5.04 | PPBV | | 99 |
| 66) TOLUENE | 7.190 | 91 | 236256 | 5.07 | PPBV | | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.248 | 76 | 116018 | 5.06 | PPBV | | 99 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 106931 | 4.69 | PPBV | | 99 |
| 69) 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 68331 | 5.17 | PPBV | | 99 |
| 70) 2-HEXANONE | 7.801 | 58 | 133890 | 7.43 | PPBV | | 99 |
| 71) ETHYL METHACRYLATE | 7.898 | 69 | 127278 | 5.21 | PPBV | | 95 |
| 72) TETRACHLOROETHENE | 8.911 | 164 | 96143 | 5.35 | PPBV | | 99 |
| 73) DIBROMOCHLOROMETHANE | 7.721 | 129 | 138711 | 4.71 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.058 | 107 | 131144 | 5.20 | PPBV | | 100 |
| 75) OCTANE | 9.062 | 43 | 163300 | 5.13 | PPBV | | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 106207 | 5.07 | PPBV | | 99 |
| 78) CHLOROBENZENE | 10.110 | 112 | 195164 | 5.17 | PPBV | | 99 |
| 79) ETHYLBENZENE | 10.991 | 91 | 318088 | 5.28 | PPBV | | 100 |
| 80) M,P-XYLENE | 11.412 | 91 | 497734 | 10.31 | PPBV | | 98 |
| 81) O-XYLENE | 12.348 | 91 | 254047 | 5.25 | PPBV | | 99 |
| 82) STYRENE | 12.136 | 104 | 193679 | 5.16 | PPBV | | 99 |
| 83) NONANE | 13.470 | 43 | 175616 | 5.23 | PPBV | | 99 |
| 84) BROMOFORM | 11.226 | 173 | 124504 | 4.75 | PPBV | | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 175404 | 5.22 | PPBV | | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.644 | 75 | 139660 | 5.10 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.856 | 120 | 98143 | 5.06 | PPBV | | 97 |
| 89) BROMOBENZENE | 13.724 | 77 | 176709 | 4.96 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.856 | 126 | 88415 | 4.88 | PPBV | | 99 |
| 91) N-PROPYLBENZENE | 15.193 | 120 | 103410 | 5.07 | PPBV | | 100 |
| 92) 4-ETHYLTOLUENE | 15.640 | 105 | 367789 | 5.15 | PPBV | | 99 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 310860 | 5.20 | PPBV | | 100 |
| 94) ALPHA-METHYLSTYRENE | 16.212 | 118 | 154089 | 4.85 | PPBV | | 99 |
| 95) TERT-BUTYLBENZENE | 16.528 | 134 | 76413 | 5.38 | PPBV | | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 317907 | 5.29 | PPBV | | 100 |
| 97) BENZYL CHLORIDE | 16.627 | 91 | 263588 | 4.58 | PPBV | | 100 |
| 98) M-DICHLOROBENZENE | 16.598 | 146 | 201910 | 4.83 | PPBV | | 100 |
| 99) P-DICHLOROBENZENE | 16.692 | 146 | 204152 | 5.04 | PPBV | | 99 |
| 100) O-DICHLOROBENZENE | 17.010 | 146 | 192317 | 4.98 | PPBV | | 99 |
| 101) SEC-BUTYLBENZENE | 16.839 | 134 | 95434 | 5.29 | PPBV | | 99 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 305447 | 5.07 | PPBV | | 100 |
| 103) P-ISOPROPYLTOLUENE | 17.032 | 134 | 104354 | 5.27 | PPBV | | 100 |
| 104) N-BUTYLBENZENE | 17.396 | 134 | 101938 | 5.14 | PPBV | | 99 |
| 105) HEXACHLOROETHANE | 17.576 | 117 | 121825 | 4.99 | PPBV | | 99 |
| 106) HEXACHLOROBUTADIENE | 18.634 | 225 | 147583 | 5.03 | PPBV | | 99 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.322 | 180 | 175966 | 4.63 | PPBV | | 100 |
| 108) NAPHTHALENE | 18.370 | 128 | 372235 | 4.46 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.274 | TIC | 296961 | 5.41 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration

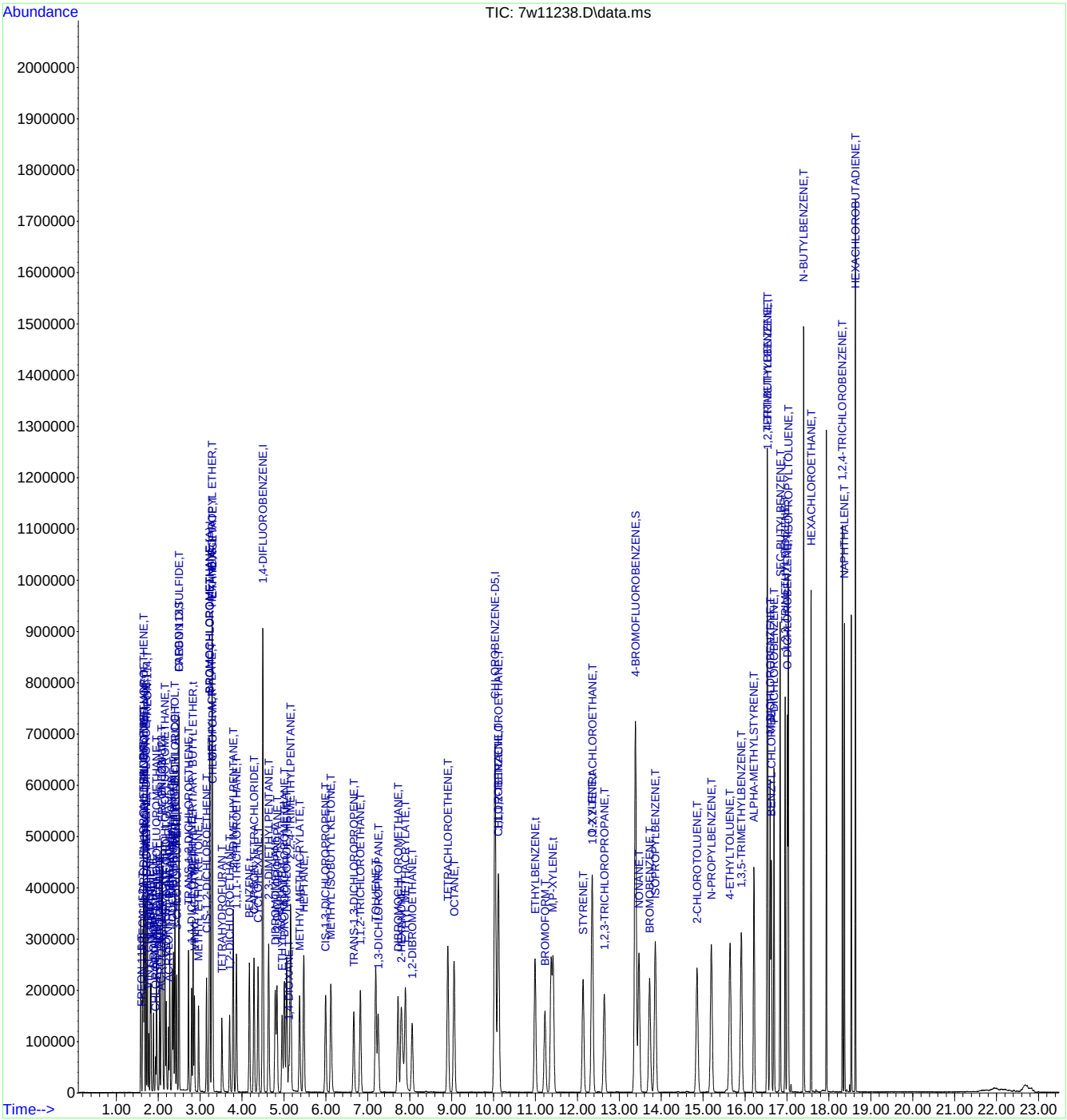
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11238.D
Acq On : 28 Dec 2024 12:34 pm
Operator : benk
Sample : ic405-5
Misc : MS74014,v7w405,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 29 05:06:24 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:02:57 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 131378 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 659033 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 616113 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 131378 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 447162 | 10.73 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 159197 | 74.09 | PPBV | | 90 |
| 3) FREON 152A | 1.625 | 65 | 70619 | 11.74 | PPBV | | 87 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 34075 | 14.82 | PPBV | | 97 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 169558 | 10.01 | PPBV | # | 55 |
| 6) DICHLORODIFLUOROMETHANE | 1.663 | 85 | 361796 | 7.33 | PPBV | | 97 |
| 7) PROPYLENE | 1.647 | 41 | 87865 | 8.50 | PPBV | | 95 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 266833 | 7.04 | PPBV | | 97 |
| 9) FREON 114 | 1.737 | 85 | 300840 | 8.01 | PPBV | | 92 |
| 10) CHLOROMETHANE | 1.708 | 52 | 33563 | 7.85 | PPBV | | 94 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 119055 | 8.61 | PPBV | | 97 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 94033 | 8.95 | PPBV | # | 80 |
| 13) N-BUTANE | 1.824 | 43 | 174592 | 7.87 | PPBV | | 97 |
| 14) BROMOMETHANE | 1.882 | 94 | 103381 | 7.11 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 61993 | 8.71 | PPBV | | 95 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 253114 | 7.73 | PPBV | | 97 |
| 17) ACETONITRILE | 2.023 | 41 | 99368 | 6.46 | PPBV | | 98 |
| 18) ACROLEIN | 2.062 | 56 | 53905 | 7.69 | PPBV | | 100 |
| 19) FREON 123 | 2.075 | 83 | 265342 | 7.41 | PPBV | | 97 |
| 20) FREON 123A | 2.091 | 117 | 174347 | 7.60 | PPBV | | 95 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 327408 | 6.55 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.175 | 45 | 247379 | 7.31 | PPBV | | 96 |
| 23) ACETONE | 2.101 | 58 | 61121 | 7.39 | PPBV | | 73 |
| 24) PENTANE | 2.271 | 42 | 126473 | 7.40 | PPBV | | 95 |
| 25) IODOMETHANE | 2.332 | 142 | 309671 | 7.54 | PPBV | | 85 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 115617 | 7.71 | PPBV | | 91 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 317177 | 9.43 | PPBV | # | 89 |
| 28) ETHANOL | 1.959 | 45 | 62292 | 5.92 | PPBV | | 99 |
| 29) BROMOETHENE | 2.030 | 106 | 112928 | 7.39 | PPBV | | 96 |
| 30) ACRYLONITRILE | 2.239 | 52 | 88292 | 8.10 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 101654 | 7.33 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.435 | 76 | 57302 | 8.22 | PPBV | | 79 |
| 33) FREON 113 | 2.490 | 151 | 193605 | 6.66 | PPBV | | 91 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 121649 | 7.89 | PPBV | | 82 |
| 35) TERTIARY BUTYL ALCOHOL | 2.374 | 59 | 282192 | 7.69 | PPBV | | 93 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 375375 | 11.26 | PPBV | | 96 |
| 37) TETRAHYDROFURAN | 3.506 | 72 | 60165 | 8.30 | PPBV | | 99 |
| 38) HEXANE | 3.274 | 57 | 225309 | 9.57 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.859 | 86 | 34415 | 8.74 | PPBV | | 87 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 238292 | 11.30 | PPBV | | 98 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 65627 | 8.91 | PPBV | | 93 |
| 42) CIS-1,2-DICHLOROETHENE | 3.149 | 96 | 136752 | 8.67 | PPBV | # | 78 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 65052 | 9.34 | PPBV | | 86 |
| 44) ETHYL ACETATE | 3.284 | 61 | 47399 | 8.74 | PPBV | | 89 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 274676 | 9.87 | PPBV | # | 98 |
| 46) CHLOROFORM | 3.297 | 83 | 272447 | 9.74 | PPBV | | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 264908 | 10.43 | PPBV | | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 291408 | 11.12 | PPBV | # | 100 |
| 49) CARBON TETRACHLORIDE | 4.281 | 117 | 312176 | 12.66 | PPBV | | 99 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 207916 | 14.06 | PPBV | # | 96 |
| 51) BENZENE | 4.171 | 78 | 391264 | 8.99 | PPBV | | 89 |
| 53) CYCLOHEXANE | 4.377 | 84 | 176001 | 9.71 | PPBV | | 86 |
| 54) 2,3-DIMETHYLPENTANE | 4.631 | 71 | 90898 | 9.87 | PPBV | | 87 |
| 55) TRICHLOROETHENE | 5.062 | 95 | 186075 | 9.84 | PPBV | | 89 |
| 56) 1,2-DICHLOROPROPANE | 4.827 | 63 | 156355 | 10.04 | PPBV | | 92 |
| 57) DIBROMOMETHANE | 4.789 | 174 | 163006 | 10.89 | PPBV | | 88 |
| 58) ETHYL ACRYLATE | 4.949 | 55 | 347446 | 10.77 | PPBV | | 97 |
| 59) BROMODICHLOROMETHANE | 5.007 | 83 | 305589 | 11.32 | PPBV | | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 711259 | 10.97 | PPBV | | 97 |
| 61) 1,4-DIOXANE | 5.078 | 88 | 98611 | 8.03 | PPBV | | 86 |
| 62) HEPTANE | 5.467 | 43 | 252921 | 10.32 | PPBV | | 98 |
| 63) METHYL METHACRYLATE | 5.367 | 69 | 155284 | 10.18 | PPBV | | 95 |
| 64) METHYL ISOBUTYL KETONE | 6.094 | 58 | 141262 | 9.65 | PPBV | | 92 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.988 | 75 | 260974 | 11.14 | PPBV | | 92 |
| 66) TOLUENE | 7.190 | 91 | 501403 | 9.17 | PPBV | | 98 |
| 67) 1,3-DICHLOROPROPANE | 7.245 | 76 | 248146 | 10.14 | PPBV | | 99 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 233274 | 11.52 | PPBV | | 96 |
| 69) 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 143467 | 9.13 | PPBV | | 96 |
| 70) 2-HEXANONE | 7.756 | 58 | 195827 | 9.35 | PPBV | | 95 |
| 71) ETHYL METHACRYLATE | 7.888 | 69 | 260347 | 9.94 | PPBV | | 98 |
| 72) TETRACHLOROETHENE | 8.907 | 164 | 198985 | 11.49 | PPBV | | 96 |
| 73) DIBROMOCHLOROMETHANE | 7.721 | 129 | 308021 | 12.06 | PPBV | | 100 |
| 74) 1,2-DIBROMOETHANE | 8.055 | 107 | 281582 | 10.52 | PPBV | | 99 |
| 75) OCTANE | 9.059 | 43 | 351937 | 10.13 | PPBV | | 95 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 230902 | 11.97 | PPBV | | 97 |
| 78) CHLOROBENZENE | 10.110 | 112 | 416067 | 9.97 | PPBV | | 97 |
| 79) ETHYLBENZENE | 10.988 | 91 | 677850 | 9.63 | PPBV | | 99 |
| 80) M,P-XYLENE | 11.419 | 91 | 1056677 | 19.39 | PPBV | | 96 |
| 81) O-XYLENE | 12.345 | 91 | 537862 | 9.76 | PPBV | | 99 |
| 82) STYRENE | 12.132 | 104 | 417847 | 9.89 | PPBV | | 94 |
| 83) NONANE | 13.470 | 43 | 371464 | 9.82 | PPBV | | 89 |
| 84) BROMOFORM | 11.226 | 173 | 280283 | 12.71 | PPBV | | 99 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 374106 | 8.64 | PPBV | # | 97 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.640 | 75 | 296227 | 10.40 | PPBV | | 100 |
| 88) ISOPROPYLBENZENE | 13.859 | 120 | 209134 | 9.89 | PPBV | | 98 |
| 89) BROMOBENZENE | 13.721 | 77 | 377278 | 10.25 | PPBV | | 99 |
| 90) 2-CHLOROTOLUENE | 14.849 | 126 | 189709 | 10.34 | PPBV | | 100 |
| 91) N-PROPYLBENZENE | 15.197 | 120 | 218536 | 10.09 | PPBV | | 98 |
| 92) 4-ETHYLTOLUENE | 15.640 | 105 | 780911 | 9.78 | PPBV | | 96 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 651438 | 10.03 | PPBV | | 97 |
| 94) ALPHA-METHYLSTYRENE | 16.213 | 118 | 327935 | 9.46 | PPBV | | 98 |
| 95) TERT-BUTYLBENZENE | 16.528 | 134 | 157884 | 10.20 | PPBV | | 88 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.534 | 105 | 662762 | 9.43 | PPBV | | 94 |
| 97) BENZYL CHLORIDE | 16.627 | 91 | 587334 | 9.57 | PPBV | # | 93 |
| 98) M-DICHLOROBENZENE | 16.598 | 146 | 434222 | 9.56 | PPBV | # | 100 |
| 99) P-DICHLOROBENZENE | 16.692 | 146 | 438983 | 9.89 | PPBV | | 98 |
| 100) O-DICHLOROBENZENE | 17.007 | 146 | 411459 | 9.52 | PPBV | | 99 |
| 101) SEC-BUTYLBENZENE | 16.836 | 134 | 198439 | 9.99 | PPBV | # | 1 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 642624 | 9.11 | PPBV | | 97 |
| 103) P-ISOPROPYLTOLUENE | 17.029 | 134 | 216933 | 9.81 | PPBV | # | 100 |
| 104) N-BUTYLBENZENE | 17.393 | 134 | 214010 | 9.26 | PPBV | # | 1 |
| 105) HEXACHLOROETHANE | 17.573 | 117 | 268359 | 10.15 | PPBV | | 95 |
| 106) HEXACHLOROBUTADIENE | 18.631 | 225 | 315642 | 11.07 | PPBV | # | 1 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.319 | 180 | 394080 | 10.00 | PPBV | | 99 |
| 108) NAPHTHALENE | 18.367 | 128 | 863409 | 10.22 | PPBV | | 100 |
| 110) TVHC as equiv Pentane | 2.271 | TIC | 604399 | 7.36 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration

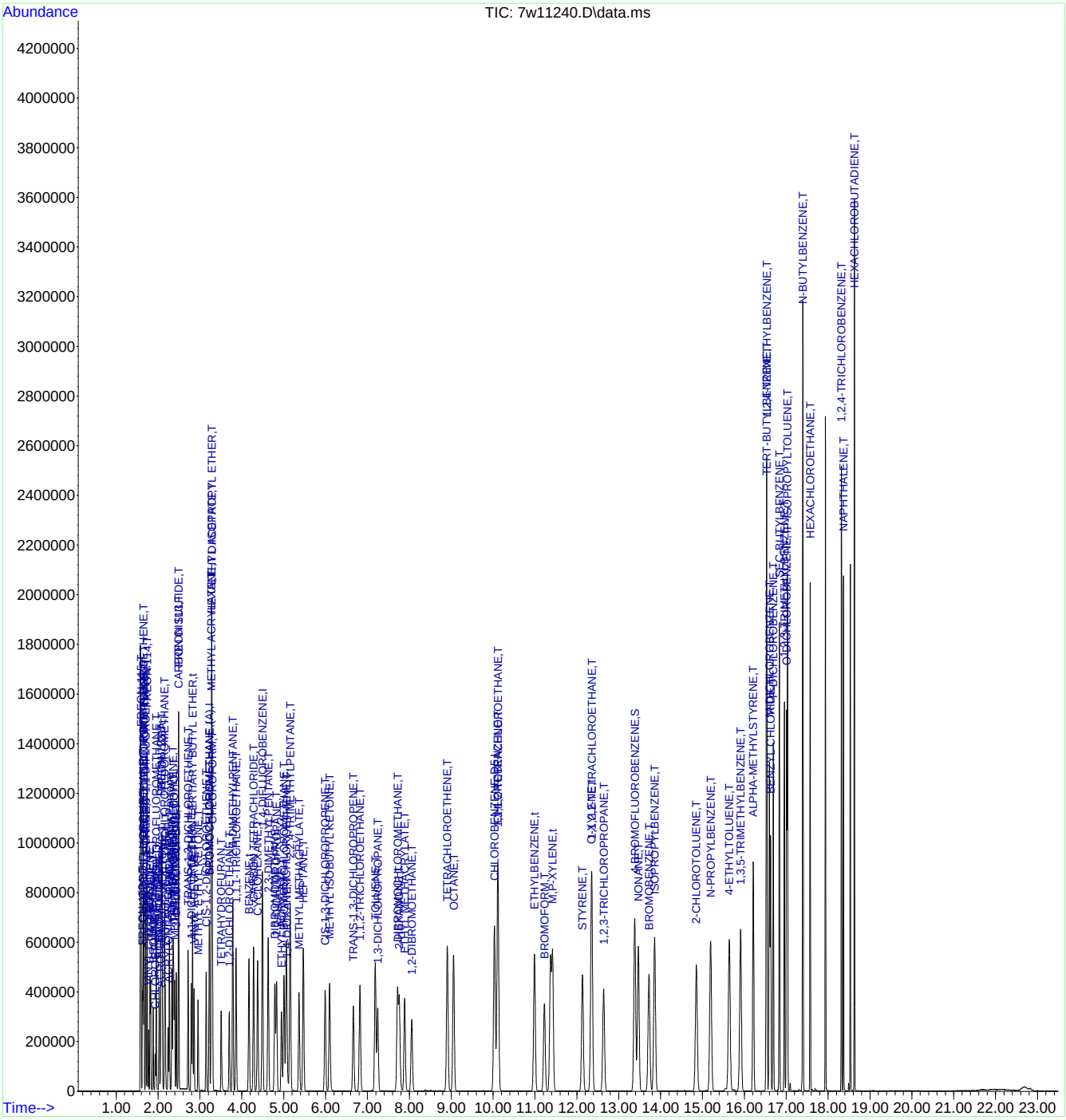
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11240.D
Acq On : 28 Dec 2024 1:47 pm
Operator : benk
Sample : icc405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:50:37 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 22 00:53:20 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 126854 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 638427 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.036 | 117 | 603108 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 126854 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.386 | 95 | 441368 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 306896 | 26.40 | PPBV | | 99 |
| 3) FREON 152A | 1.625 | 65 | 138617 | 22.37 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 66594 | 22.10 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 326020 | 21.56 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 699867 | 22.02 | PPBV | | 100 |
| 7) PROPYLENE | 1.647 | 41 | 169555 | 22.33 | PPBV | | 100 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 512499 | 21.75 | PPBV | | 100 |
| 9) FREON 114 | 1.737 | 85 | 580240 | 22.76 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.708 | 52 | 64518 | 21.24 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.769 | 62 | 232906 | 21.63 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 182551 | 22.51 | PPBV | | 99 |
| 13) N-BUTANE | 1.824 | 43 | 338097 | 22.35 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.882 | 94 | 198021 | 21.52 | PPBV | | 100 |
| 15) CHLOROETHANE | 1.930 | 64 | 118969 | 21.35 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 488646 | 21.83 | PPBV | | 100 |
| 17) ACETONITRILE | 2.023 | 41 | 192313 | 21.06 | PPBV | | 99 |
| 18) ACROLEIN | 2.062 | 56 | 106570 | 22.10 | PPBV | | 99 |
| 19) FREON 123 | 2.075 | 83 | 511901 | 21.82 | PPBV | | 100 |
| 20) FREON 123A | 2.094 | 117 | 333208 | 22.49 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 623390 | 21.54 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.171 | 45 | 473419 | 21.61 | PPBV | | 100 |
| 23) ACETONE | 2.101 | 58 | 117725 | 21.30 | PPBV | | 98 |
| 24) PENTANE | 2.271 | 42 | 244309 | 22.30 | PPBV | | 100 |
| 25) IODOMETHANE | 2.332 | 142 | 591604 | 22.44 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 221667 | 21.84 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 613010 | 21.98 | PPBV | | 99 |
| 28) ETHANOL | 1.959 | 45 | 118748 | 20.62 | PPBV | | 100 |
| 29) BROMOETHENE | 2.033 | 106 | 214598 | 21.70 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.242 | 52 | 169494 | 22.65 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 194495 | 21.35 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 110765 | 21.67 | PPBV | | 99 |
| 33) FREON 113 | 2.493 | 151 | 367709 | 21.49 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 235716 | 21.81 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.371 | 59 | 539655 | 20.14 | PPBV | | 99 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 723428 | 22.26 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.506 | 72 | 117493 | 21.83 | PPBV | | 98 |
| 38) HEXANE | 3.277 | 57 | 430909 | 21.67 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.859 | 86 | 67826 | 22.25 | PPBV | | 97 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 457937 | 22.05 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 126630 | 22.17 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.149 | 96 | 263112 | 22.01 | PPBV | | 99 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 125352 | 22.33 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.284 | 61 | 89942 | 21.78 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 529034 | 22.22 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.300 | 83 | 516462 | 21.80 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 506373 | 22.17 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 564470 | 22.35 | PPBV | | 100 |
| 49) CARBON TETRACHLORIDE | 4.281 | 117 | 609663 | 22.69 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.702 | 62 | 402638 | 22.56 | PPBV | 99 |
| 51) | BENZENE | 4.171 | 78 | 755006 | 22.64 | PPBV | 100 |
| 53) | CYCLOHEXANE | 4.377 | 84 | 339869 | 22.43 | PPBV | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.631 | 71 | 174649 | 22.38 | PPBV | 100 |
| 55) | TRICHLOROETHENE | 5.062 | 95 | 359704 | 21.51 | PPBV | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.830 | 63 | 303407 | 21.63 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.789 | 174 | 312992 | 21.48 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.946 | 55 | 676723 | 22.37 | PPBV | 100 |
| 59) | BROMODICHLOROMETHANE | 5.007 | 83 | 587425 | 21.65 | PPBV | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 1375032 | 22.23 | PPBV | 100 |
| 61) | 1,4-DIOXANE | 5.072 | 88 | 186784 | 20.95 | PPBV | 98 |
| 62) | HEPTANE | 5.470 | 43 | 488300 | 22.76 | PPBV | 100 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 299512 | 22.42 | PPBV | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.094 | 58 | 271987 | 22.01 | PPBV | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 507797 | 22.32 | PPBV | 100 |
| 66) | TOLUENE | 7.190 | 91 | 973750 | 22.00 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.248 | 76 | 478931 | 21.95 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 458798 | 21.61 | PPBV | 99 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.824 | 83 | 278027 | 22.03 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.760 | 58 | 377518 | 21.81 | PPBV | 99 |
| 71) | ETHYL METHACRYLATE | 7.891 | 69 | 506129 | 21.83 | PPBV | 100 |
| 72) | TETRACHLOROETHENE | 8.911 | 164 | 383020 | 22.40 | PPBV | 99 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 613995 | 22.67 | PPBV | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.062 | 107 | 545593 | 22.79 | PPBV | 99 |
| 75) | OCTANE | 9.059 | 43 | 685319 | 22.86 | PPBV | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.126 | 131 | 451908 | 22.41 | PPBV | 100 |
| 78) | CHLOROBENZENE | 10.113 | 112 | 814457 | 22.39 | PPBV | 100 |
| 79) | ETHYLBENZENE | 10.991 | 91 | 1320164 | 22.74 | PPBV | 100 |
| 80) | M,P-XYLENE | 11.422 | 91 | 2058784 | 44.15 | PPBV | 97 |
| 81) | O-XYLENE | 12.351 | 91 | 1048912 | 22.42 | PPBV | 100 |
| 82) | STYRENE | 12.136 | 104 | 820877 | 23.04 | PPBV | 100 |
| 83) | NONANE | 13.476 | 43 | 726869 | 22.53 | PPBV | 100 |
| 84) | BROMOFORM | 11.229 | 173 | 563890 | 23.16 | PPBV | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.364 | 83 | 732603 | 22.70 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.644 | 75 | 576776 | 21.83 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.859 | 120 | 409277 | 21.93 | PPBV | 100 |
| 89) | BROMOBENZENE | 13.727 | 77 | 739407 | 21.57 | PPBV | 99 |
| 90) | 2-CHLOROTOLUENE | 14.859 | 126 | 371222 | 21.39 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.200 | 120 | 428493 | 21.98 | PPBV | 100 |
| 92) | 4-ETHYLTOLUENE | 15.643 | 105 | 1547675 | 23.00 | PPBV | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.917 | 105 | 1290766 | 22.94 | PPBV | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.216 | 118 | 655690 | 22.20 | PPBV | 100 |
| 95) | TERT-BUTYLBENZENE | 16.531 | 134 | 310716 | 22.85 | PPBV | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.541 | 105 | 1317303 | 23.21 | PPBV | 100 |
| 97) | BENZYL CHLORIDE | 16.631 | 91 | 1195390 | 22.98 | PPBV | 100 |
| 98) | M-DICHLOROBENZENE | 16.602 | 146 | 866695 | 22.10 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.695 | 146 | 880704 | 23.27 | PPBV | 99 |
| 100) | O-DICHLOROBENZENE | 17.010 | 146 | 820370 | 22.71 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.840 | 134 | 391899 | 22.95 | PPBV | 99 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.959 | 105 | 1280395 | 22.70 | PPBV | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.032 | 134 | 426177 | 22.64 | PPBV | 99 |
| 104) | N-BUTYLBENZENE | 17.396 | 134 | 426836 | 23.04 | PPBV | 99 |
| 105) | HEXACHLOROETHANE | 17.573 | 117 | 540620 | 23.91 | PPBV | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.634 | 225 | 657155 | 24.71 | PPBV | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.322 | 180 | 830811 | 25.23 | PPBV | 100 |
| 108) | NAPHTHALENE | 18.370 | 128 | 1764884 | 24.88 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 1194978 | 22.35 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration

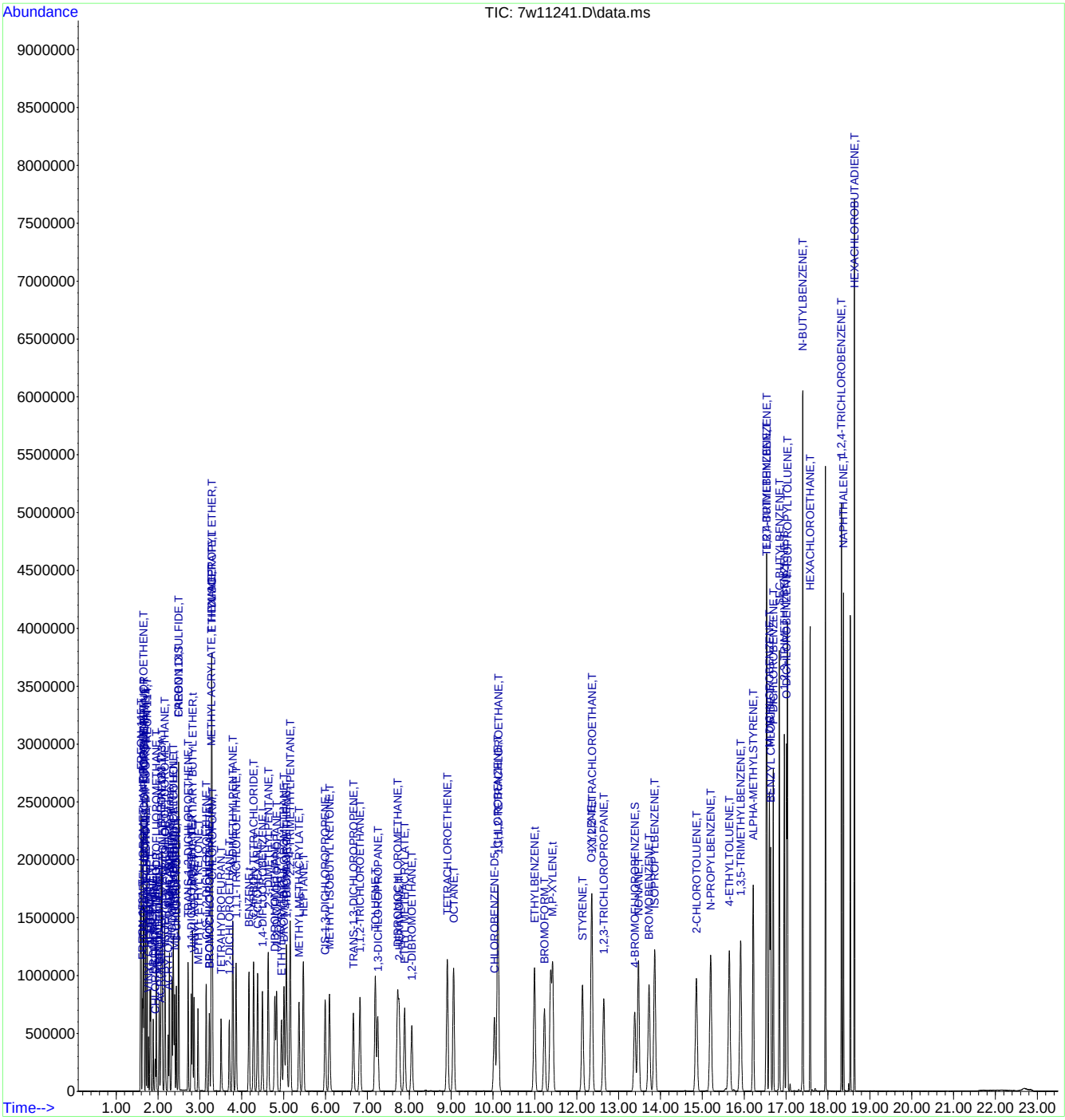
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11241.D
Acq On : 28 Dec 2024 2:25 pm
Operator : benk
Sample : ic405-20
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 04:59:47 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 04:57:55 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 128392 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 638040 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.036 | 117 | 608914 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 128392 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.386 | 95 | 448477 | 10.10 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.596 | 119 | 78301 | 6.17 | PPBV | | 99 |
| 3) FREON 152A | 1.628 | 65 | 271083 | 42.58 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 132367 | 42.80 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 640501 | 41.48 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 1369137 | 42.02 | PPBV | | 99 |
| 7) PROPYLENE | 1.647 | 41 | 334942 | 43.23 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 992525 | 41.26 | PPBV | | 99 |
| 9) FREON 114 | 1.737 | 85 | 1128910 | 43.25 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.708 | 52 | 126447 | 40.84 | PPBV | | 99 |
| 11) VINYL CHLORIDE | 1.770 | 62 | 457248 | 41.26 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 359850 | 43.23 | PPBV | | 98 |
| 13) N-BUTANE | 1.824 | 43 | 664309 | 42.89 | PPBV | | 100 |
| 14) BROMOMETHANE | 1.882 | 94 | 388703 | 41.40 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 234917 | 41.29 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 953303 | 41.67 | PPBV | | 99 |
| 17) ACETONITRILE | 2.024 | 41 | 382342 | 40.79 | PPBV | | 99 |
| 18) ACROLEIN | 2.062 | 56 | 210760 | 42.45 | PPBV | | 98 |
| 19) FREON 123 | 2.075 | 83 | 1007587 | 42.03 | PPBV | | 99 |
| 20) FREON 123A | 2.094 | 117 | 645065 | 42.70 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 1198641 | 40.71 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.171 | 45 | 919602 | 41.21 | PPBV | | 99 |
| 23) ACETONE | 2.101 | 58 | 229086 | 40.49 | PPBV | | 96 |
| 24) PENTANE | 2.271 | 42 | 476107 | 42.62 | PPBV | | 99 |
| 25) IODOMETHANE | 2.332 | 142 | 1141436 | 42.49 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 433522 | 41.91 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 1199868 | 41.99 | PPBV | | 98 |
| 28) ETHANOL | 1.959 | 45 | 231131 | 39.51 | PPBV | | 99 |
| 29) BROMOETHENE | 2.033 | 106 | 418405 | 41.48 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.242 | 52 | 329828 | 43.13 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.397 | 84 | 377713 | 40.74 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 216809 | 41.46 | PPBV | | 98 |
| 33) FREON 113 | 2.493 | 151 | 702415 | 40.38 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 459126 | 41.44 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.371 | 59 | 1038619 | 38.07 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 1408890 | 42.40 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.503 | 72 | 230020 | 41.68 | PPBV | | 98 |
| 38) HEXANE | 3.278 | 57 | 841035 | 41.48 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.860 | 86 | 135381 | 42.88 | PPBV | | 96 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 894939 | 42.15 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 247507 | 42.44 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 508963 | 41.67 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 242060 | 42.13 | PPBV | | 100 |
| 44) ETHYL ACETATE | 3.287 | 61 | 173891 | 41.49 | PPBV | | 97 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 1030168 | 42.35 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.300 | 83 | 994566 | 41.35 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.786 | 57 | 995716 | 42.70 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 1104833 | 42.73 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 1201848 | 43.46 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.702 | 62 | 786023 | 43.02 | PPBV | 100 |
| 51) | BENZENE | 4.171 | 78 | 1476843 | 43.33 | PPBV | 100 |
| 53) | CYCLOHEXANE | 4.380 | 84 | 660333 | 43.05 | PPBV | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 342659 | 43.55 | PPBV | 99 |
| 55) | TRICHLOROETHENE | 5.065 | 95 | 697734 | 41.42 | PPBV | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.834 | 63 | 592598 | 41.86 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 613694 | 41.83 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.953 | 55 | 1336385 | 43.54 | PPBV | 100 |
| 59) | BROMODICHLOROMETHANE | 5.014 | 83 | 1156711 | 42.23 | PPBV | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.158 | 57 | 2680756 | 42.95 | PPBV | 100 |
| 61) | 1,4-DIOXANE | 5.072 | 88 | 360357 | 40.48 | PPBV | 97 |
| 62) | HEPTANE | 5.474 | 43 | 959929 | 44.25 | PPBV | 100 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 588562 | 43.68 | PPBV | 98 |
| 64) | METHYL ISOBUTYL KETONE | 6.094 | 58 | 531405 | 42.76 | PPBV | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.994 | 75 | 1007886 | 43.71 | PPBV | 100 |
| 66) | TOLUENE | 7.194 | 91 | 1917193 | 42.81 | PPBV | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.252 | 76 | 942161 | 42.70 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.670 | 75 | 919599 | 42.50 | PPBV | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.827 | 83 | 546179 | 42.88 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.760 | 58 | 734508 | 42.06 | PPBV | 98 |
| 71) | ETHYL METHACRYLATE | 7.898 | 69 | 990940 | 42.20 | PPBV | 99 |
| 72) | TETRACHLOROETHENE | 8.914 | 164 | 760618 | 44.10 | PPBV | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.724 | 129 | 1226800 | 44.15 | PPBV | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.068 | 107 | 1076666 | 44.47 | PPBV | 100 |
| 75) | OCTANE | 9.065 | 43 | 1356937 | 44.57 | PPBV | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.133 | 131 | 890891 | 43.21 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.120 | 112 | 1599753 | 43.04 | PPBV | 99 |
| 79) | ETHYLBENZENE | 10.997 | 91 | 2611736 | 44.06 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.428 | 91 | 4059078 | 85.31 | PPBV | 97 |
| 81) | O-XYLENE | 12.358 | 91 | 2063787 | 43.28 | PPBV | 99 |
| 82) | STYRENE | 12.145 | 104 | 1646434 | 45.06 | PPBV | 99 |
| 83) | NONANE | 13.483 | 43 | 1444945 | 43.88 | PPBV | 99 |
| 84) | BROMOFORM | 11.239 | 173 | 1131928 | 44.81 | PPBV | 100 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.377 | 83 | 1439647 | 43.59 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.653 | 75 | 1138740 | 42.27 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.872 | 120 | 810452 | 42.53 | PPBV | 99 |
| 89) | BROMOBENZENE | 13.737 | 77 | 1459071 | 41.64 | PPBV | 100 |
| 90) | 2-CHLOROTOLUENE | 14.865 | 126 | 737857 | 41.58 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.206 | 120 | 861737 | 43.25 | PPBV | 99 |
| 92) | 4-ETHYLTOLUENE | 15.650 | 105 | 3111086 | 44.97 | PPBV | 100 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.927 | 105 | 2621466 | 45.35 | PPBV | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.219 | 118 | 1342872 | 44.04 | PPBV | 100 |
| 95) | TERT-BUTYLBENZENE | 16.537 | 134 | 619552 | 44.56 | PPBV | 98 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.547 | 105 | 2668790 | 45.73 | PPBV | 99 |
| 97) | BENZYL CHLORIDE | 16.634 | 91 | 2480317 | 45.63 | PPBV | 100 |
| 98) | M-DICHLOROBENZENE | 16.608 | 146 | 1757061 | 43.47 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.698 | 146 | 1789106 | 45.79 | PPBV | 99 |
| 100) | O-DICHLOROBENZENE | 17.017 | 146 | 1669395 | 44.86 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.843 | 134 | 787041 | 44.86 | PPBV | 100 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.962 | 105 | 2615378 | 45.01 | PPBV | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.036 | 134 | 851176 | 44.08 | PPBV | 99 |
| 104) | N-BUTYLBENZENE | 17.399 | 134 | 867814 | 45.39 | PPBV | 99 |
| 105) | HEXACHLOROETHANE | 17.576 | 117 | 1087679 | 46.31 | PPBV | 100 |
| 106) | HEXACHLOROBUTADIENE | 18.634 | 225 | 1294963 | 46.02 | PPBV | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.325 | 180 | 1761750 | 50.35 | PPBV | 99 |
| 108) | NAPHTHALENE | 18.373 | 128 | 3967394 | 52.90 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 2326791 | 42.64 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration

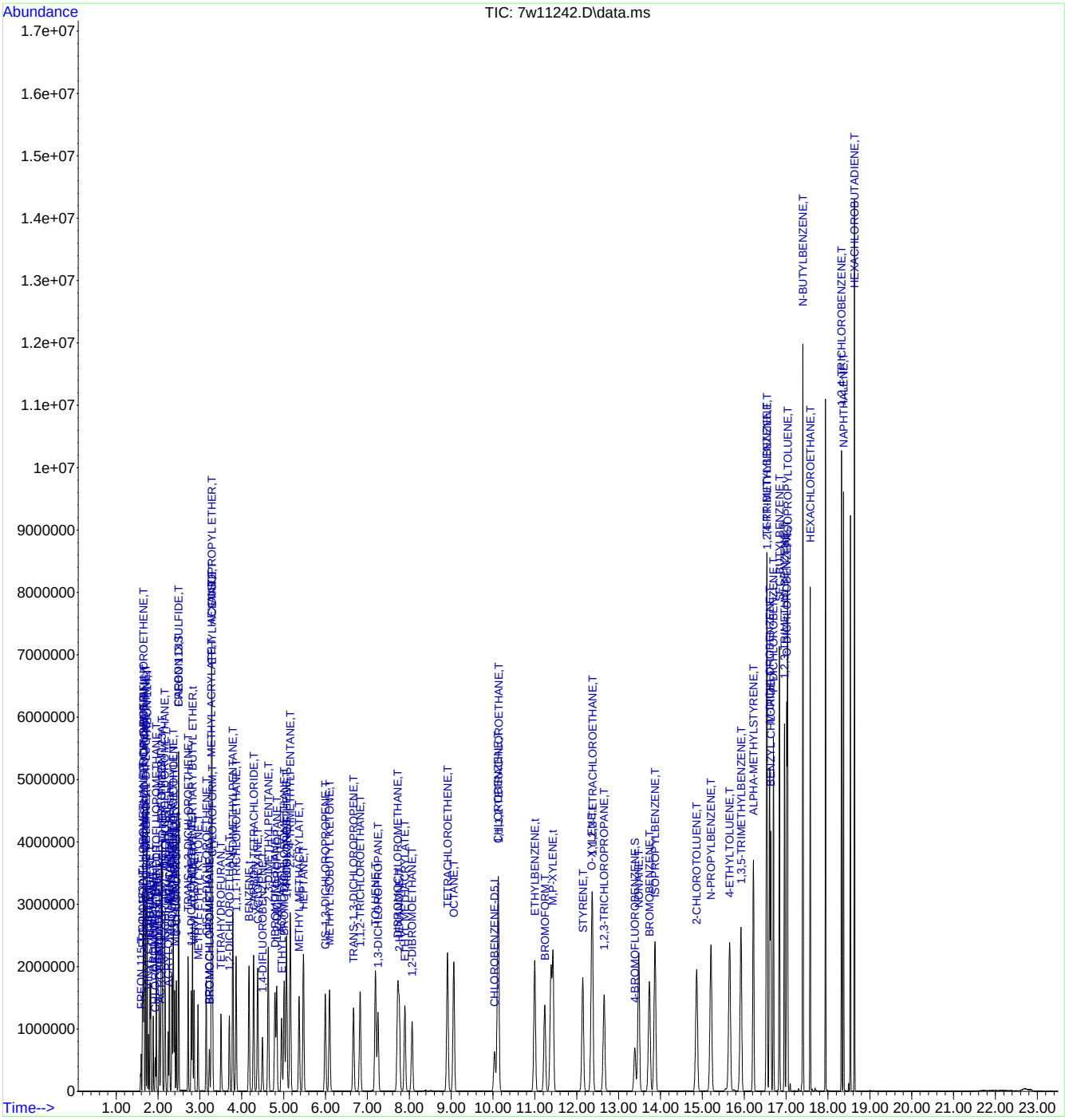
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11242.D
Acq On : 28 Dec 2024 3:08 pm
Operator : benk
Sample : ic405-40
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:01:19 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:00:22 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 131520 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 651140 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.036 | 117 | 631688 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 131506 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.390 | 95 | 464012 | 10.05 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) FREON 115 | 1.599 | 119 | 741705 | 72.63 | PPBV | | 100 |
| 3) FREON 152A | 1.628 | 65 | 330254 | 50.71 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 159956 | 50.37 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 768882 | 48.76 | PPBV | | 100 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 1645131 | 49.40 | PPBV | | 99 |
| 7) PROPYLENE | 1.647 | 41 | 405917 | 51.25 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 1189703 | 48.61 | PPBV | | 99 |
| 9) FREON 114 | 1.737 | 85 | 1353130 | 50.82 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.708 | 52 | 152465 | 48.29 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.770 | 62 | 552847 | 48.68 | PPBV | | 100 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 438160 | 51.38 | PPBV | | 98 |
| 13) N-BUTANE | 1.824 | 43 | 801394 | 50.60 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.882 | 94 | 469518 | 48.99 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 286683 | 49.28 | PPBV | | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 1156192 | 49.55 | PPBV | | 99 |
| 17) ACETONITRILE | 2.024 | 41 | 464245 | 48.23 | PPBV | | 99 |
| 18) ACROLEIN | 2.062 | 56 | 255031 | 50.01 | PPBV | | 99 |
| 19) FREON 123 | 2.075 | 83 | 1209864 | 49.38 | PPBV | | 99 |
| 20) FREON 123A | 2.094 | 117 | 776496 | 50.55 | PPBV | | 98 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 1437566 | 48.14 | PPBV | | 100 |
| 22) ISOPROPYL ALCOHOL | 2.171 | 45 | 1119311 | 49.31 | PPBV | | 99 |
| 23) ACETONE | 2.101 | 58 | 279034 | 48.35 | PPBV | | 94 |
| 24) PENTANE | 2.271 | 42 | 578759 | 50.86 | PPBV | | 98 |
| 25) IODOMETHANE | 2.332 | 142 | 1380179 | 50.59 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 522266 | 49.55 | PPBV | | 98 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 1448449 | 49.60 | PPBV | | 97 |
| 28) ETHANOL | 1.959 | 45 | 282775 | 47.56 | PPBV | | 99 |
| 29) BROMOETHENE | 2.030 | 106 | 504672 | 49.11 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.242 | 52 | 403117 | 51.71 | PPBV | | 99 |
| 31) METHYLENE CHLORIDE | 2.397 | 84 | 457423 | 48.53 | PPBV | | 99 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 264624 | 49.56 | PPBV | | 96 |
| 33) FREON 113 | 2.493 | 151 | 847049 | 48.11 | PPBV | | 100 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 555898 | 49.15 | PPBV | | 99 |
| 35) TERTIARY BUTYL ALCOHOL | 2.371 | 59 | 1254686 | 45.34 | PPBV | | 98 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 1709140 | 50.45 | PPBV | | 100 |
| 37) TETRAHYDROFURAN | 3.503 | 72 | 279916 | 49.61 | PPBV | | 99 |
| 38) HEXANE | 3.277 | 57 | 1018882 | 49.33 | PPBV | | 98 |
| 39) VINYL ACETATE | 2.863 | 86 | 164258 | 50.40 | PPBV | | 100 |
| 40) 1,1-DICHLOROETHANE | 2.795 | 63 | 1086544 | 50.15 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 300553 | 50.53 | PPBV | | 100 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 620942 | 49.96 | PPBV | | 98 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 294295 | 50.32 | PPBV | | 99 |
| 44) ETHYL ACETATE | 3.287 | 61 | 210312 | 49.48 | PPBV | | 98 |
| 45) METHYL ACRYLATE | 3.274 | 55 | 1251870 | 50.49 | PPBV | # | 100 |
| 46) CHLOROFORM | 3.303 | 83 | 1199986 | 49.23 | PPBV | | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.789 | 57 | 1214203 | 50.98 | PPBV | | 100 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 1336098 | 50.59 | PPBV | | 99 |
| 49) CARBON TETRACHLORIDE | 4.284 | 117 | 1464922 | 51.64 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) | 1,2-DICHLOROETHANE | 3.705 | 62 | 955960 | 51.25 | PPBV | 100 |
| 51) | BENZENE | 4.175 | 78 | 1792719 | 51.55 | PPBV | 100 |
| 53) | CYCLOHEXANE | 4.380 | 84 | 802582 | 51.32 | PPBV | 99 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 416634 | 51.90 | PPBV | 99 |
| 55) | TRICHLOROETHENE | 5.068 | 95 | 847031 | 49.44 | PPBV | 100 |
| 56) | 1,2-DICHLOROPROPANE | 4.837 | 63 | 718356 | 49.76 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.795 | 174 | 746491 | 49.91 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.953 | 55 | 1632310 | 51.89 | PPBV | 100 |
| 59) | BROMODICHLOROMETHANE | 5.014 | 83 | 1408411 | 50.31 | PPBV | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.162 | 57 | 3257100 | 51.21 | PPBV | 100 |
| 61) | 1,4-DIOXANE | 5.075 | 88 | 440803 | 48.96 | PPBV | 97 |
| 62) | HEPTANE | 5.474 | 43 | 1173841 | 52.95 | PPBV | 100 |
| 63) | METHYL METHACRYLATE | 5.371 | 69 | 720078 | 52.34 | PPBV | 99 |
| 64) | METHYL ISOBUTYL KETONE | 6.101 | 58 | 647296 | 51.17 | PPBV | 99 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.998 | 75 | 1227694 | 51.89 | PPBV | 99 |
| 66) | TOLUENE | 7.197 | 91 | 2335761 | 50.98 | PPBV | 99 |
| 67) | 1,3-DICHLOROPROPANE | 7.258 | 76 | 1144657 | 50.75 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.673 | 75 | 1120807 | 50.23 | PPBV | 98 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.827 | 83 | 664842 | 51.12 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.766 | 58 | 885743 | 49.80 | PPBV | 99 |
| 71) | ETHYL METHACRYLATE | 7.901 | 69 | 1209704 | 50.42 | PPBV | 99 |
| 72) | TETRACHLOROETHENE | 8.917 | 164 | 924639 | 52.38 | PPBV | 100 |
| 73) | DIBROMOCHLOROMETHANE | 7.724 | 129 | 1501535 | 52.28 | PPBV | 100 |
| 74) | 1,2-DIBROMOETHANE | 8.075 | 107 | 1306005 | 52.72 | PPBV | 100 |
| 75) | OCTANE | 9.068 | 43 | 1653400 | 52.92 | PPBV | 100 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.136 | 131 | 1082043 | 50.59 | PPBV | 100 |
| 78) | CHLOROBENZENE | 10.123 | 112 | 1946099 | 50.52 | PPBV | 99 |
| 79) | ETHYLBENZENE | 11.001 | 91 | 3179194 | 51.68 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.435 | 91 | 4921035 | 99.78 | PPBV | 98 |
| 81) | O-XYLENE | 12.361 | 91 | 2517379 | 50.98 | PPBV | 99 |
| 82) | STYRENE | 12.149 | 104 | 2010092 | 52.71 | PPBV | 99 |
| 83) | NONANE | 13.486 | 43 | 1757408 | 51.36 | PPBV | 99 |
| 84) | BROMOFORM | 11.242 | 173 | 1393708 | 52.57 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.380 | 83 | 1753514 | 51.18 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.660 | 75 | 1387618 | 49.69 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.875 | 120 | 989751 | 50.03 | PPBV | 99 |
| 89) | BROMOBENZENE | 13.740 | 77 | 1780294 | 48.96 | PPBV | 100 |
| 90) | 2-CHLOROTOLUENE | 14.872 | 126 | 902403 | 48.90 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.209 | 120 | 1049686 | 50.53 | PPBV | 100 |
| 92) | 4-ETHYLTOLUENE | 15.656 | 105 | 3853366 | 53.27 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.927 | 105 | 3207147 | 52.95 | PPBV | 100 |
| 94) | ALPHA-METHYLSTYRENE | 16.226 | 118 | 1650946 | 51.44 | PPBV | 100 |
| 95) | TERT-BUTYLBENZENE | 16.537 | 134 | 754397 | 52.14 | PPBV | 99 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.550 | 105 | 3224984 | 52.75 | PPBV | 99 |
| 97) | BENZYL CHLORIDE | 16.637 | 91 | 3059411 | 52.97 | PPBV | 100 |
| 98) | M-DICHLOROBENZENE | 16.608 | 146 | 2144105 | 50.56 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.701 | 146 | 2186003 | 53.27 | PPBV | 99 |
| 100) | O-DICHLOROBENZENE | 17.016 | 146 | 2046435 | 52.38 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.846 | 134 | 958582 | 52.29 | PPBV | 100 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.965 | 105 | 3193608 | 52.30 | PPBV | 100 |
| 103) | P-ISOPROPYLTOLUENE | 17.039 | 134 | 1037323 | 51.52 | PPBV | 100 |
| 104) | N-BUTYLBENZENE | 17.402 | 134 | 1055468 | 52.54 | PPBV | 98 |
| 105) | HEXACHLOROETHANE | 17.579 | 117 | 1337599 | 54.18 | PPBV | 99 |
| 106) | HEXACHLOROBUTADIENE | 18.640 | 225 | 1579214 | 53.23 | PPBV | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.328 | 180 | 2214716 | 58.74 | PPBV | 99 |
| 108) | NAPHTHALENE | 18.377 | 128 | 5075640 | 61.94 | PPBV | 99 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 2805792 | 50.47 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration

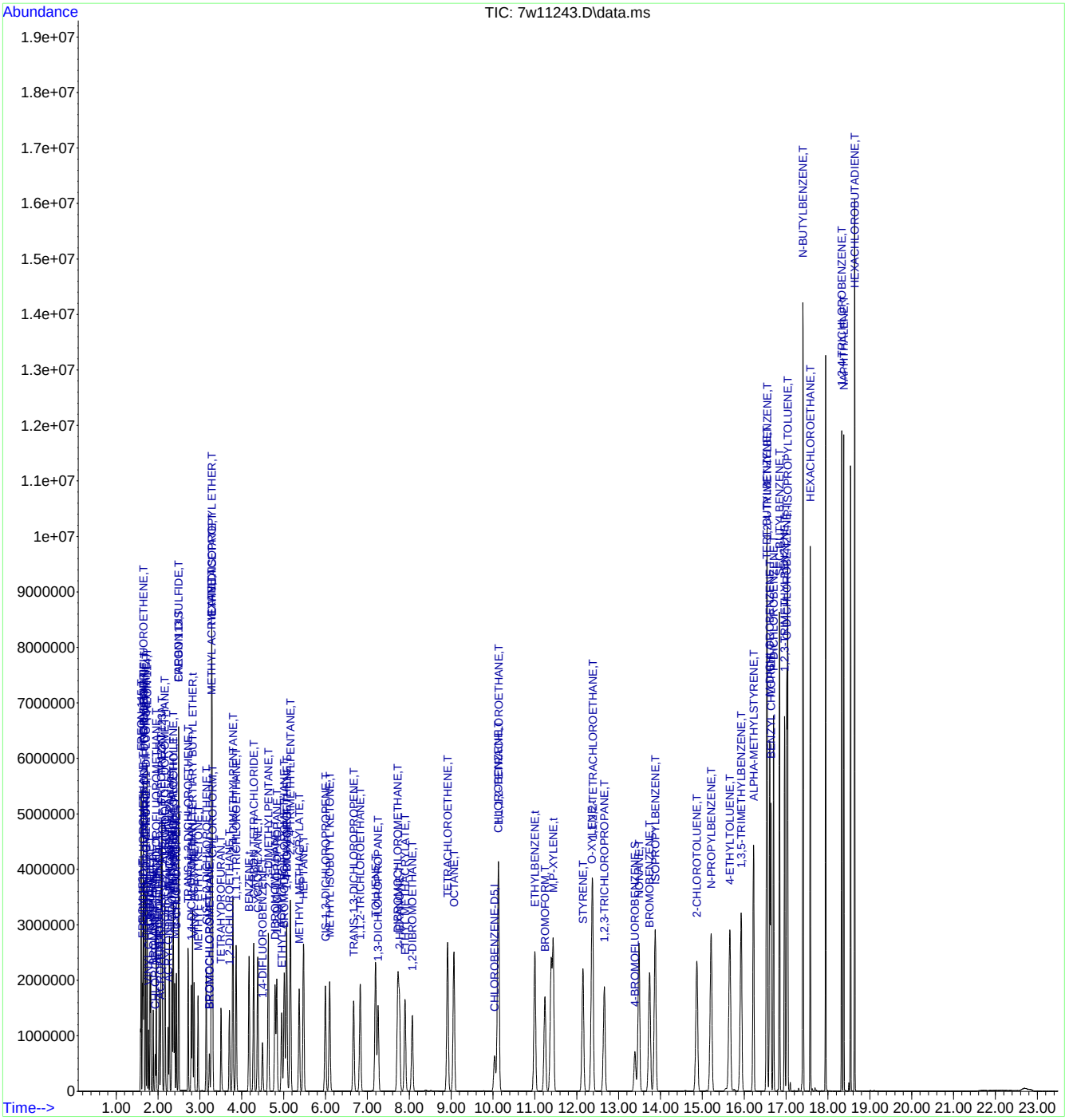
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11243.D
Acq On : 28 Dec 2024 3:52 pm
Operator : benk
Sample : ic405-50
Misc : MS74014,v7w405,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 29 05:02:32 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 05:01:43 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 128326 | 10.00 | PPBV | | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 645131 | 10.00 | PPBV | | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 603905 | 10.00 | PPBV | | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 128326 | 10.00 | PPBV | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 441032 | 10.06 | PPBV | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 3) FREON 152A | 1.625 | 65 | 70330 | 11.51 | PPBV | | 100 |
| 4) CHLORODIFLUOROMETHANE | 1.638 | 67 | 34678 | 11.18 | PPBV | | 99 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 167351 | 11.20 | PPBV | | 99 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 361530 | 11.30 | PPBV | | 100 |
| 7) PROPYLENE | 1.647 | 41 | 87750 | 10.42 | PPBV | | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.702 | 65 | 268830 | 11.34 | PPBV | | 100 |
| 9) FREON 114 | 1.737 | 85 | 299987 | 11.82 | PPBV | | 100 |
| 10) CHLOROMETHANE | 1.708 | 52 | 32863 | 9.89 | PPBV | | 98 |
| 11) VINYL CHLORIDE | 1.770 | 62 | 117466 | 10.94 | PPBV | | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 93721 | 10.25 | PPBV | | 98 |
| 13) N-BUTANE | 1.824 | 43 | 176537 | 10.61 | PPBV | | 99 |
| 14) BROMOMETHANE | 1.882 | 94 | 103865 | 10.82 | PPBV | | 99 |
| 15) CHLOROETHANE | 1.930 | 64 | 61928 | 10.66 | PPBV | | 99 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 260538 | 11.51 | PPBV | | 100 |
| 17) ACETONITRILE | 2.024 | 41 | 102868 | 9.97 | PPBV | | 99 |
| 18) ACROLEIN | 2.062 | 56 | 56736 | 10.47 | PPBV | | 97 |
| 19) FREON 123 | 2.075 | 83 | 258469 | 10.59 | PPBV | | 98 |
| 20) FREON 123A | 2.091 | 117 | 158572 | 10.43 | PPBV | | 99 |
| 21) TRICHLOROFLUOROMETHANE | 2.155 | 101 | 326972 | 11.60 | PPBV | | 99 |
| 22) ISOPROPYL ALCOHOL | 2.175 | 45 | 252254 | 10.61 | PPBV | | 100 |
| 23) ACETONE | 2.101 | 58 | 61862 | 8.30 | PPBV | | 98 |
| 24) PENTANE | 2.271 | 42 | 125892 | 11.02 | PPBV | | 100 |
| 25) IODOMETHANE | 2.332 | 142 | 311082 | 12.05 | PPBV | | 100 |
| 26) 1,1-DICHLOROETHYLENE | 2.358 | 96 | 116228 | 10.45 | PPBV | | 100 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 336807 | 12.16 | PPBV | | 100 |
| 28) ETHANOL | 1.959 | 45 | 54389 | 8.36 | PPBV | | 100 |
| 29) BROMOETHENE | 2.030 | 106 | 110904 | 10.85 | PPBV | | 99 |
| 30) ACRYLONITRILE | 2.242 | 52 | 88143 | 9.55 | PPBV | | 98 |
| 31) METHYLENE CHLORIDE | 2.397 | 84 | 104004 | 10.24 | PPBV | | 97 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 58086 | 10.99 | PPBV | | 98 |
| 33) FREON 113 | 2.490 | 151 | 198243 | 11.77 | PPBV | | 99 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 124974 | 10.79 | PPBV | | 100 |
| 35) TERTIARY BUTYL ALCOHOL | 2.374 | 59 | 310048 | 11.34 | PPBV | | 100 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 371996 | 11.23 | PPBV | | 99 |
| 37) TETRAHYDROFURAN | 3.506 | 72 | 62673 | 12.21 | PPBV | | 95 |
| 38) HEXANE | 3.278 | 57 | 218344 | 10.33 | PPBV | | 99 |
| 39) VINYL ACETATE | 2.860 | 86 | 35662 | 11.38 | PPBV | | 95 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 235369 | 11.36 | PPBV | | 100 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 64179 | 11.26 | PPBV | | 99 |
| 42) CIS-1,2-DICHLOROETHENE | 3.149 | 96 | 136309 | 11.43 | PPBV | | 100 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 65035 | 11.11 | PPBV | | 96 |
| 44) ETHYL ACETATE | 3.284 | 61 | 45987 | 11.36 | PPBV | | 98 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 275665 | 11.61 | PPBV | # | 99 |
| 46) CHLOROFORM | 3.297 | 83 | 276173 | 11.77 | PPBV | | 100 |
| 47) 2,4-DIMETHYLPENTANE | 3.786 | 57 | 258551 | 11.06 | PPBV | | 99 |
| 48) 1,1,1-TRICHLOROETHANE | 3.863 | 97 | 291531 | 11.59 | PPBV | | 100 |
| 49) CARBON TETRACHLORIDE | 4.281 | 117 | 311447 | 12.49 | PPBV | | 100 |
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 207686 | 11.83 | PPBV | | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 51) BENZENE | 4.171 | 78 | 391655 | 11.43 | PPBV | 100 |
| 53) CYCLOHEXANE | 4.377 | 84 | 173685 | 11.40 | PPBV | 99 |
| 54) 2,3-DIMETHYLPENTANE | 4.631 | 71 | 90324 | 11.29 | PPBV | 98 |
| 55) TRICHLOROETHENE | 5.062 | 95 | 186131 | 11.35 | PPBV | 99 |
| 56) 1,2-DICHLOROPROPANE | 4.831 | 63 | 156847 | 11.21 | PPBV | 99 |
| 57) DIBROMOMETHANE | 4.789 | 174 | 165870 | 10.76 | PPBV | 100 |
| 58) ETHYL ACRYLATE | 4.946 | 55 | 348773 | 11.73 | PPBV | 100 |
| 59) BROMODICHLOROMETHANE | 5.007 | 83 | 304404 | 11.65 | PPBV | 99 |
| 60) 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 699924 | 11.28 | PPBV | 100 |
| 61) 1,4-DIOXANE | 5.078 | 88 | 97454 | 10.66 | PPBV | 99 |
| 62) HEPTANE | 5.467 | 43 | 248482 | 11.40 | PPBV | 99 |
| 63) METHYL METHACRYLATE | 5.367 | 69 | 154917 | 11.06 | PPBV | 99 |
| 64) METHYL ISOBUTYL KETONE | 6.094 | 58 | 139000 | 10.68 | PPBV | 100 |
| 65) CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 243164 | 11.10 | PPBV | 99 |
| 66) TOLUENE | 7.187 | 91 | 493387 | 10.82 | PPBV | 100 |
| 67) 1,3-DICHLOROPROPANE | 7.245 | 76 | 247994 | 11.65 | PPBV | 100 |
| 68) TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 231781 | 11.25 | PPBV | 100 |
| 69) 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 144738 | 11.55 | PPBV | 100 |
| 70) 2-HEXANONE | 7.760 | 58 | 194335 | 9.56 | PPBV | 99 |
| 71) ETHYL METHACRYLATE | 7.888 | 69 | 261342 | 10.73 | PPBV | 100 |
| 72) TETRACHLOROETHENE | 8.908 | 164 | 197736 | 11.45 | PPBV | 100 |
| 73) DIBROMOCHLOROMETHANE | 7.718 | 129 | 308711 | 11.73 | PPBV | 100 |
| 74) 1,2-DIBROMOETHANE | 8.059 | 107 | 282440 | 12.31 | PPBV | 100 |
| 75) OCTANE | 9.055 | 43 | 344924 | 11.17 | PPBV | 100 |
| 77) 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 230150 | 11.92 | PPBV | 100 |
| 78) CHLOROBENZENE | 10.110 | 112 | 411539 | 11.71 | PPBV | 99 |
| 79) ETHYLBENZENE | 10.991 | 91 | 673474 | 11.32 | PPBV | 100 |
| 80) M,P-XYLENE | 11.422 | 91 | 1045863 | 22.43 | PPBV | 98 |
| 81) O-XYLENE | 12.345 | 91 | 527613 | 11.27 | PPBV | 100 |
| 82) STYRENE | 12.136 | 104 | 411836 | 12.28 | PPBV | 100 |
| 83) NONANE | 13.467 | 43 | 366216 | 11.39 | PPBV | 99 |
| 84) BROMOFORM | 11.226 | 173 | 264242 | 11.41 | PPBV | 100 |
| 85) 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 378232 | 12.14 | PPBV | 100 |
| 86) 1,2,3-TRICHLOROPROPANE | 12.644 | 75 | 297750 | 11.98 | PPBV | 100 |
| 88) ISOPROPYLBENZENE | 13.862 | 120 | 209087 | 11.69 | PPBV | 100 |
| 89) BROMOBENZENE | 13.724 | 77 | 380384 | 11.41 | PPBV | 100 |
| 90) 2-CHLOROTOLUENE | 14.856 | 126 | 191686 | 11.78 | PPBV | 99 |
| 91) N-PROPYLBENZENE | 15.197 | 120 | 216658 | 11.95 | PPBV | 100 |
| 92) 4-ETHYLTOLUENE | 15.640 | 105 | 779399 | 11.98 | PPBV | 100 |
| 93) 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 647532 | 11.83 | PPBV | 100 |
| 94) ALPHA-METHYLSTYRENE | 16.213 | 118 | 336497 | 12.04 | PPBV | 99 |
| 95) TERT-BUTYLBENZENE | 16.528 | 134 | 157132 | 11.99 | PPBV | 99 |
| 96) 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 661357 | 11.98 | PPBV | 100 |
| 97) BENZYL CHLORIDE | 16.628 | 91 | 620171 | 12.69 | PPBV | 100 |
| 98) M-DICHLOROBENZENE | 16.599 | 146 | 435352 | 11.56 | PPBV | 100 |
| 99) P-DICHLOROBENZENE | 16.692 | 146 | 440736 | 12.03 | PPBV | 99 |
| 100) O-DICHLOROBENZENE | 17.010 | 146 | 412635 | 11.60 | PPBV | 99 |
| 101) SEC-BUTYLBENZENE | 16.837 | 134 | 199730 | 12.23 | PPBV | 100 |
| 102) 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 642369 | 11.62 | PPBV | 100 |
| 103) P-ISOPROPYLTOLUENE | 17.033 | 134 | 217932 | 12.04 | PPBV | 100 |
| 104) N-BUTYLBENZENE | 17.396 | 134 | 210699 | 11.92 | PPBV | 99 |
| 105) HEXACHLOROETHANE | 17.573 | 117 | 264746 | 12.57 | PPBV | 100 |
| 106) HEXACHLOROBUTADIENE | 18.631 | 225 | 299792 | 11.33 | PPBV | 100 |
| 107) 1,2,4-TRICHLOROBENZENE | 18.319 | 180 | 379717 | 12.49 | PPBV | 100 |
| 108) NAPHTHALENE | 18.367 | 128 | 867478 | 12.86 | PPBV | 100 |
| 110) TVHC as equiv Pentane | 2.271 | TIC | 618380 | 11.35 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

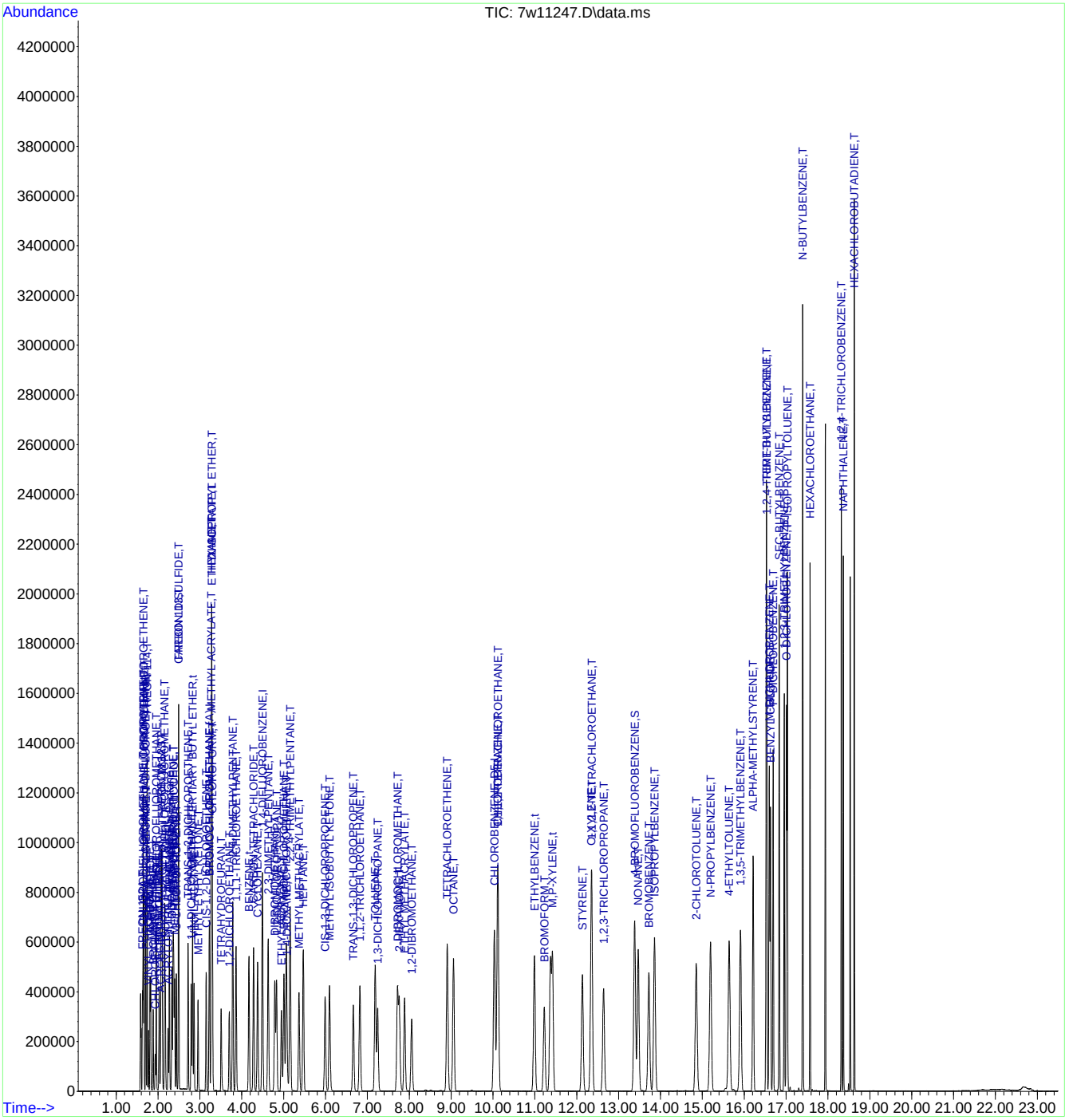
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

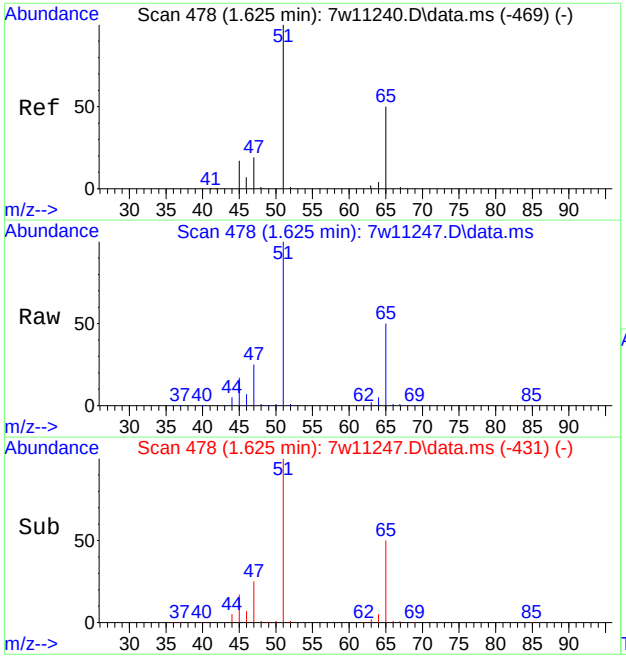
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\7w\
Data File : 7w11247.D
Acq On : 28 Dec 2024 6:36 pm
Operator : benk
Sample : icv405-10
Misc : MS74014,v7w405,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 29 19:41:44 2024
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

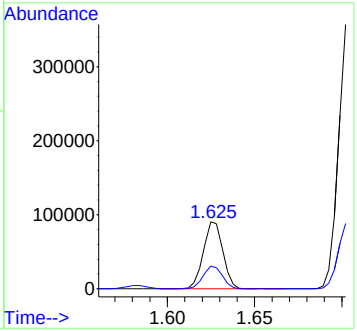


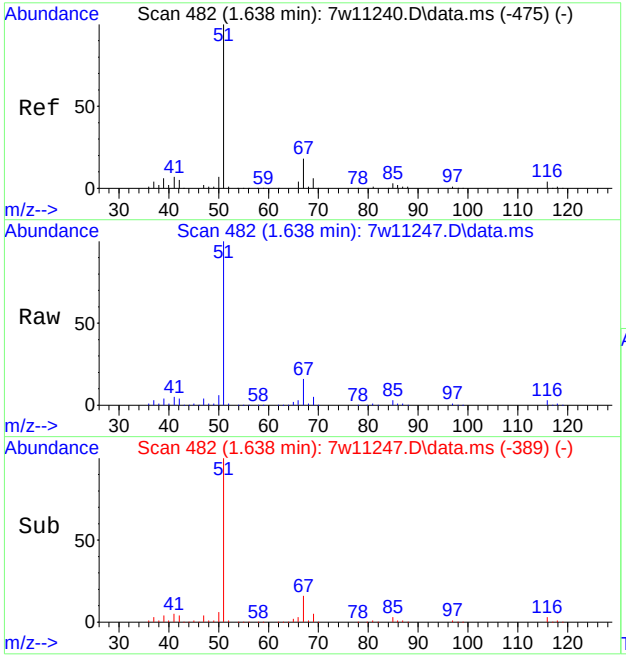



#3
FREON 152A
Concen: 11.51 PPBV
RT: 1.625 min Scan# 478
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 65 Resp: 70330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 45 | 33.6 | 23.5 | 43.7 |

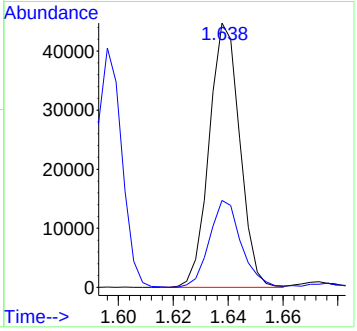


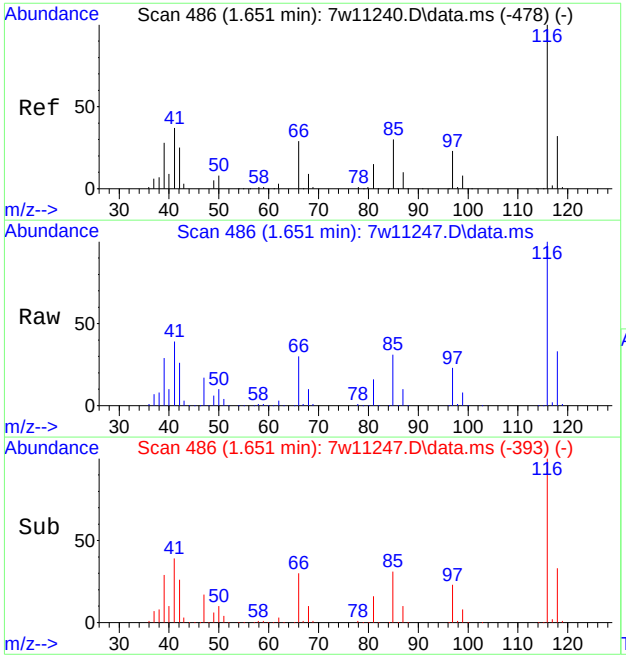




#4
CHLORODIFLUOROMETHANE
Concen: 11.18 PPBV
RT: 1.638 min Scan# 482
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 67 Resp: 34678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 34.3 | 24.4 | 45.4 |

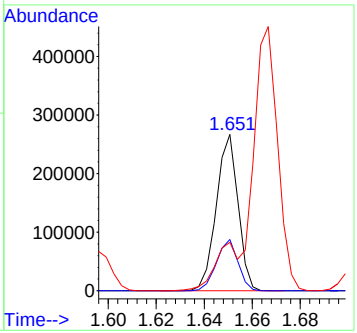


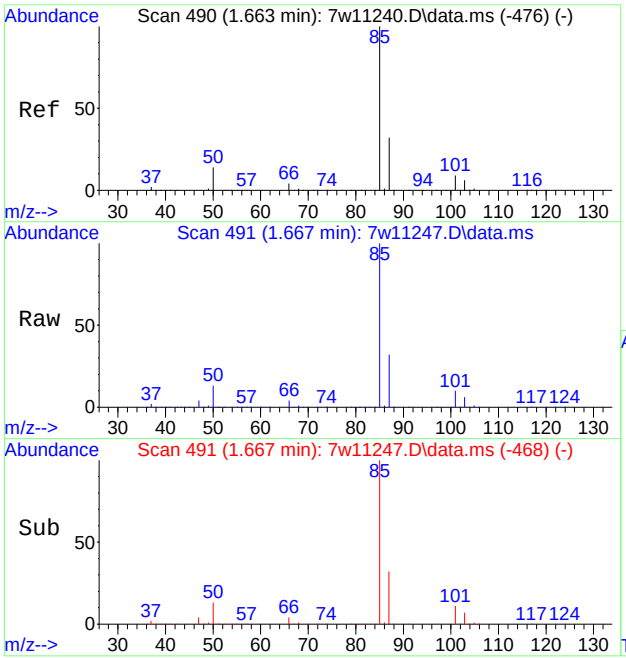



#5
CHLOROTRIFLUOROETHENE
Concen: 11.20 PPBV
RT: 1.651 min Scan# 486
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:116 Resp: 167351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 116 | 100 | | |
| 118 | 32.6 | 22.7 | 42.1 |
| 85 | 216.1 | 149.4 | 277.4 |

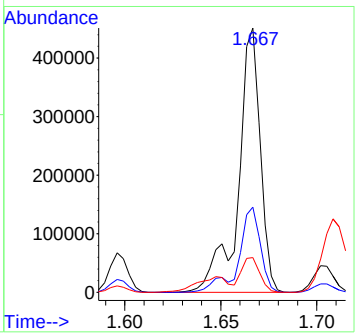


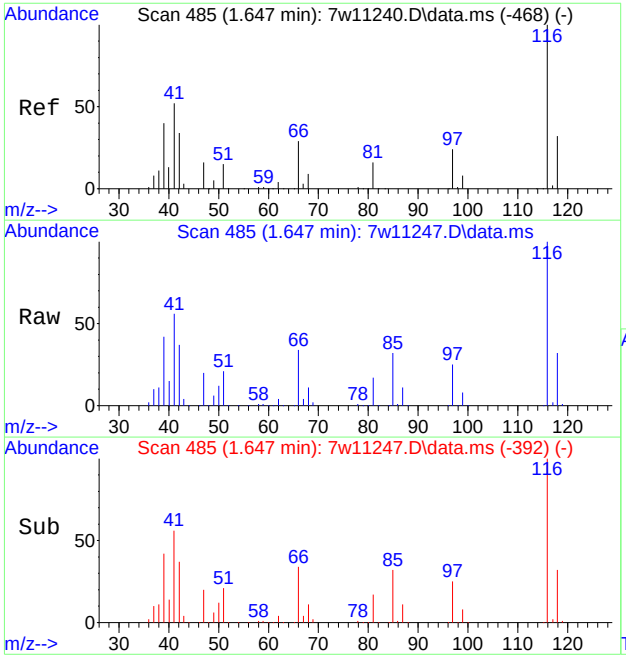




#6
DICHLORODIFLUOROMETHANE
Concen: 11.30 PPBV
RT: 1.667 min Scan# 491
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 85 Resp: 361530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 22.5 | 41.7 |
| 50 | 19.5 | 13.8 | 25.6 |

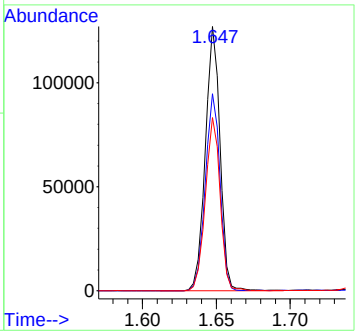


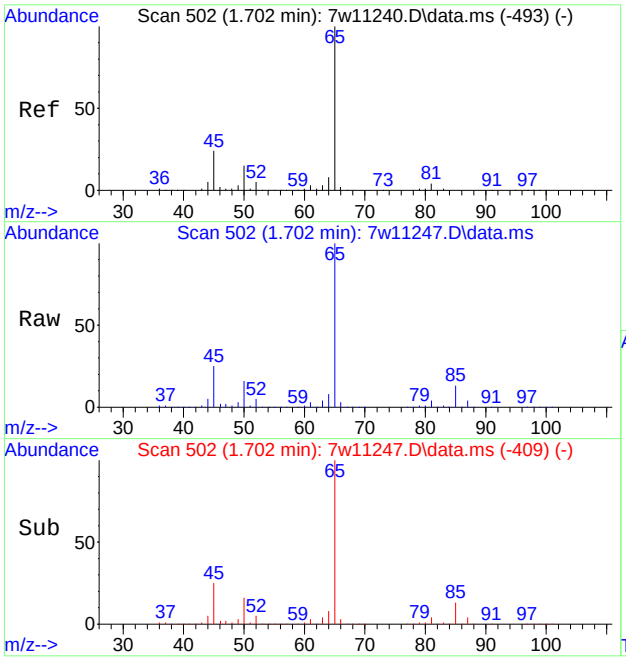



#7
PROPYLENE
Concen: 10.42 PPBV
RT: 1.647 min Scan# 485
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 41 Resp: 87750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.8 | 52.9 | 98.3 |
| 42 | 65.8 | 46.6 | 86.6 |

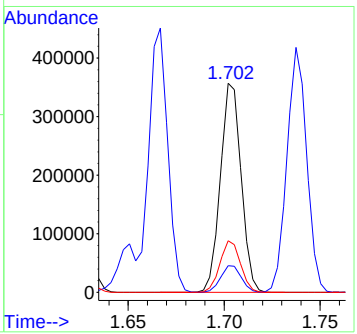


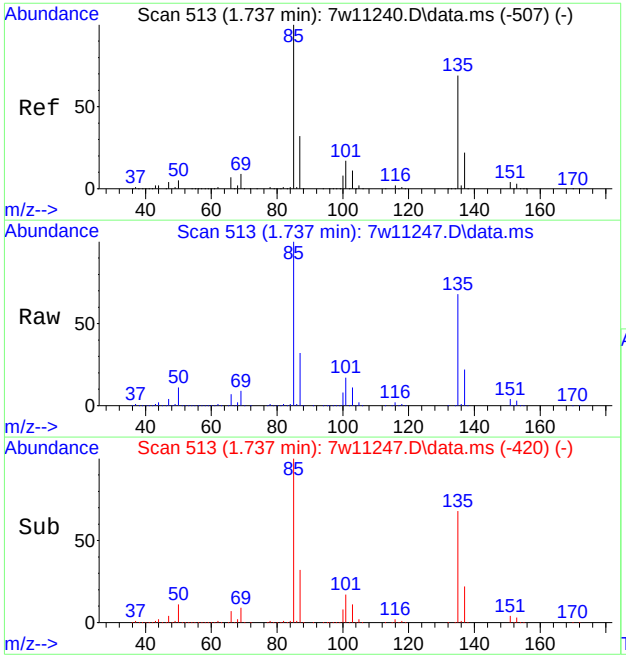




#8
1-CHLORO-1,1-DIFLUOROETHANE
Concen: 11.34 PPBV
RT: 1.702 min Scan# 502
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 65 Resp: 268830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 85 | 12.8 | 8.9 | 16.5 |
| 45 | 24.4 | 17.1 | 31.7 |

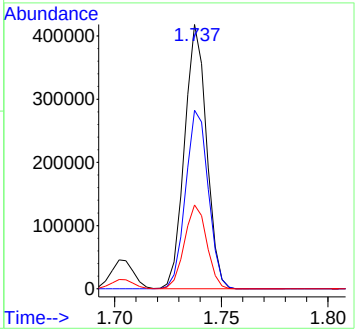


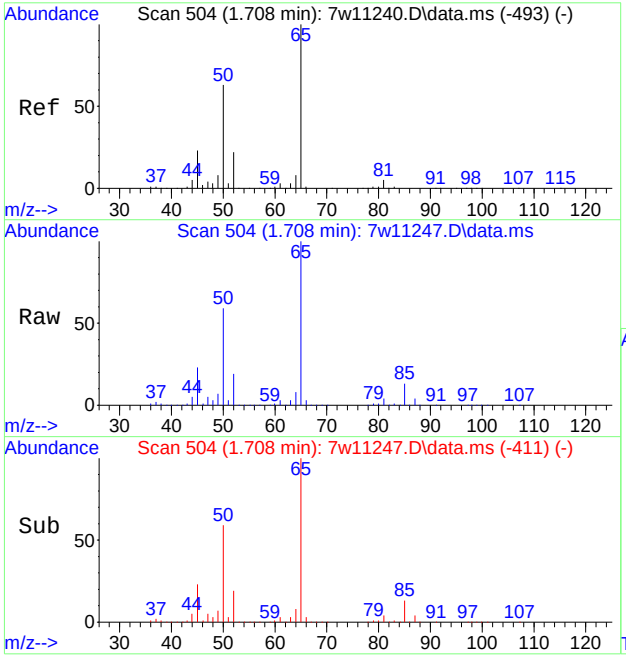



#9
FREON 114
Concen: 11.82 PPBV
RT: 1.737 min Scan# 513
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 85 Resp: 299987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 135 | 69.7 | 48.6 | 90.2 |
| 87 | 32.2 | 22.4 | 41.6 |

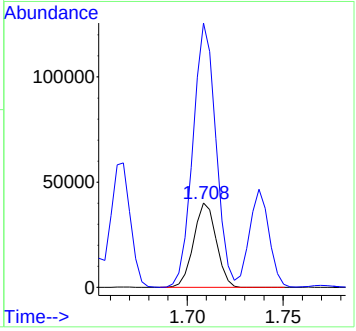


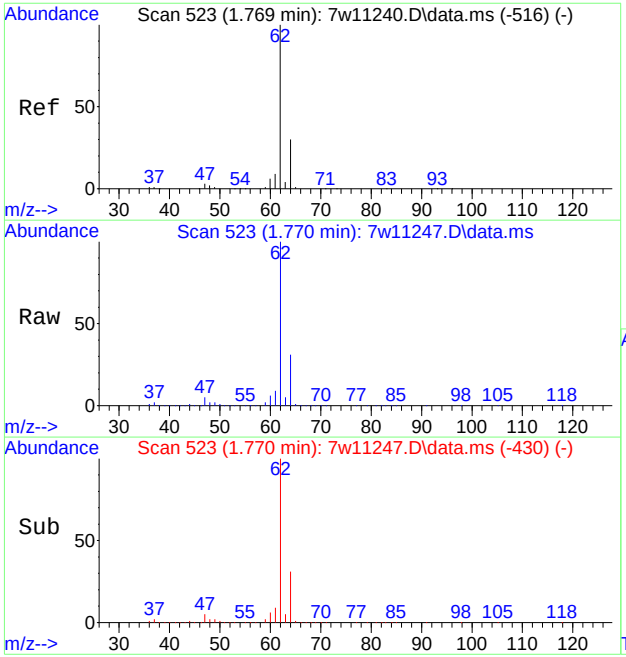




#10
CHLOROMETHANE
Concen: 9.89 PPBV
RT: 1.708 min Scan# 504
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 52 Resp: 32863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 50 | 318.7 | 220.1 | 408.8 |

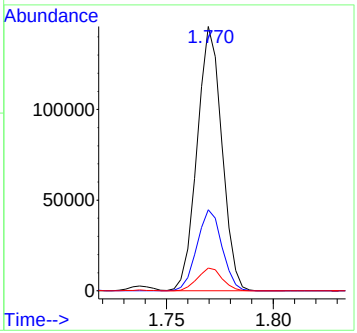


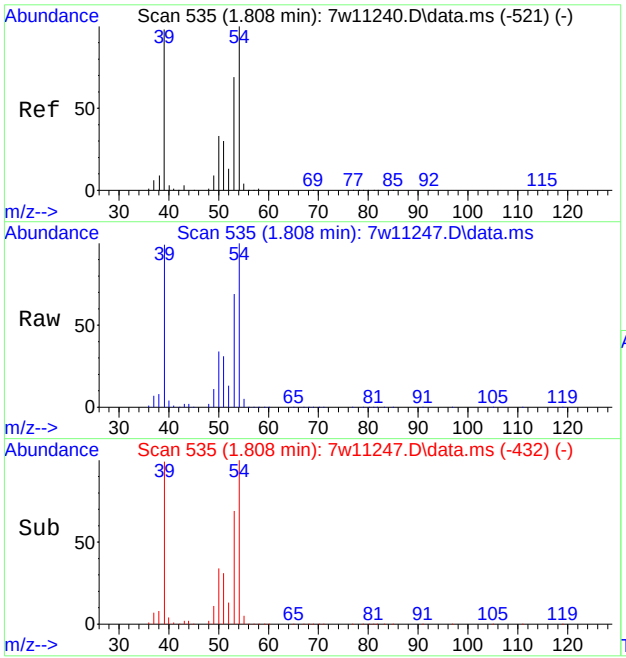



#11
VINYL CHLORIDE
Concen: 10.94 PPBV
RT: 1.770 min Scan# 523
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 62 Resp: 117466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 21.4 | 39.8 |
| 61 | 8.9 | 5.9 | 11.1 |

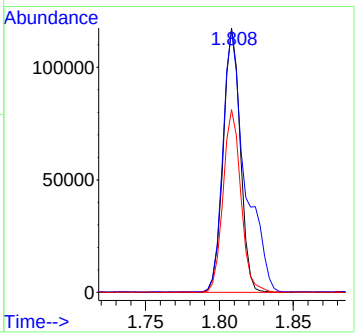


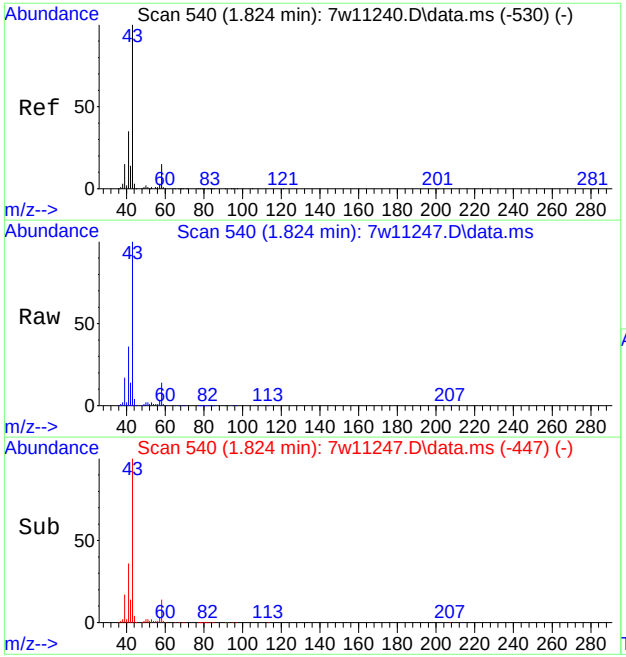




#12
1,3-BUTADIENE
Concen: 10.25 PPBV
RT: 1.808 min Scan# 535
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 54 Resp: 93721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 54 | 100 | | |
| 39 | 130.0 | 98.3 | 158.3 |
| 53 | 72.8 | 41.0 | 101.0 |

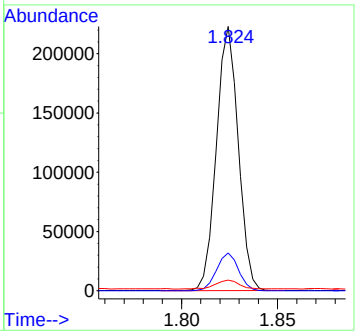


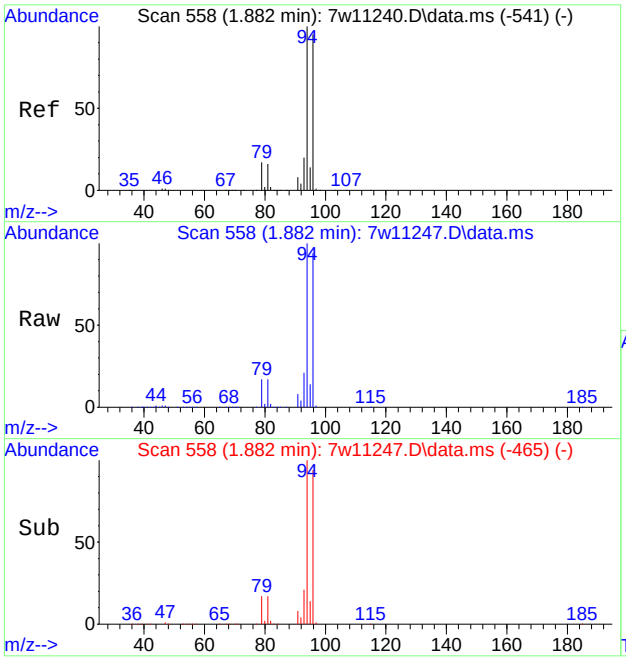



#13
N-BUTANE
Concen: 10.61 PPBV
RT: 1.824 min Scan# 540
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 176537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 14.4 | 10.4 | 19.2 |
| 44 | 4.8 | 3.0 | 5.6 |

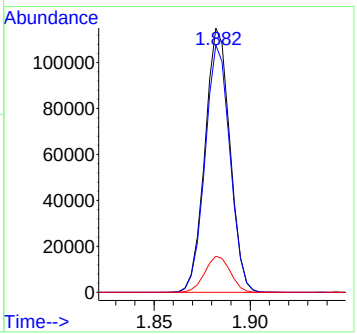


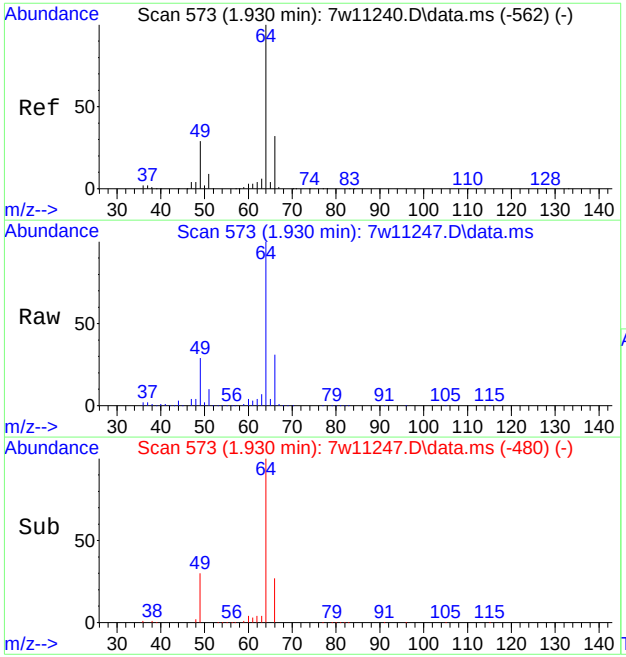




#14
BROMOMETHANE
Concen: 10.82 PPBV
RT: 1.882 min Scan# 558
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 94 Resp: 103865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 66.1 | 122.7 |
| 95 | 14.1 | 9.9 | 18.5 |

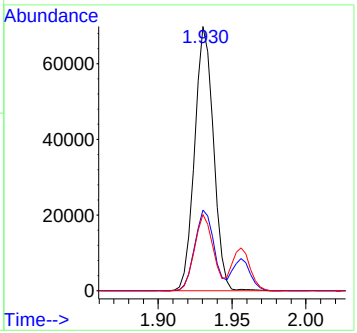


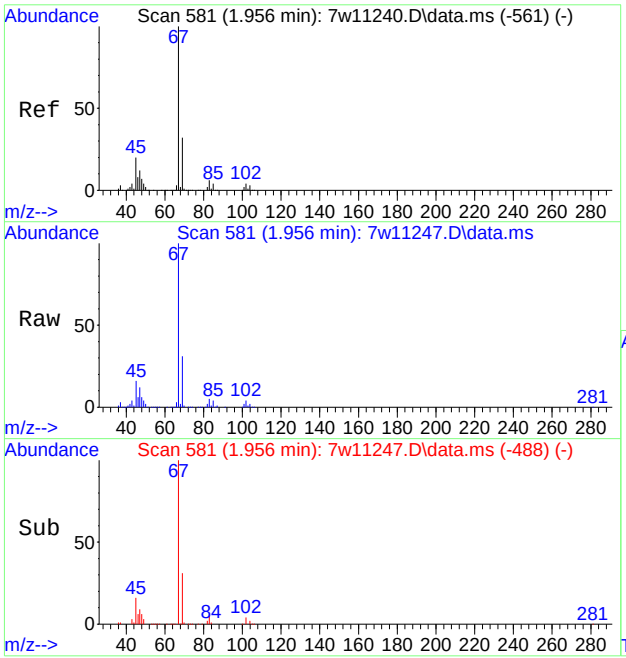



#15
CHLOROETHANE
Concen: 10.66 PPBV
RT: 1.930 min Scan# 573
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 64 Resp: 61928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 23.0 | 42.8 |
| 49 | 29.5 | 20.9 | 38.9 |

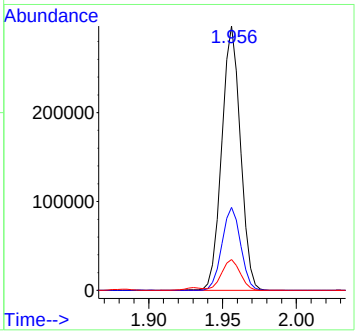


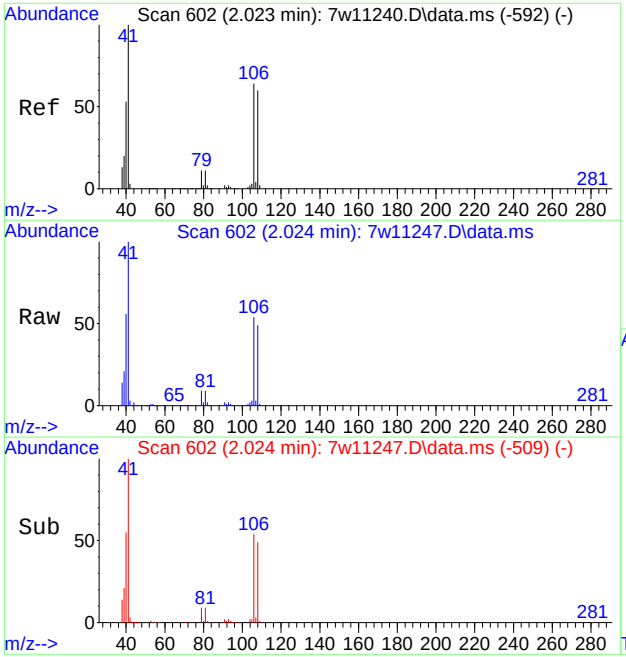




#16
DICHLOROFLUOROMETHANE
Concen: 11.51 PPBV
RT: 1.956 min Scan# 581
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 67 Resp: 260538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 67 | 100 | | |
| 69 | 31.5 | 22.0 | 40.8 |
| 47 | 12.7 | 9.0 | 16.6 |

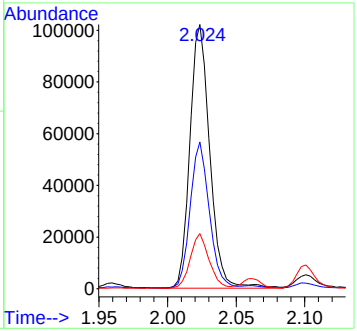


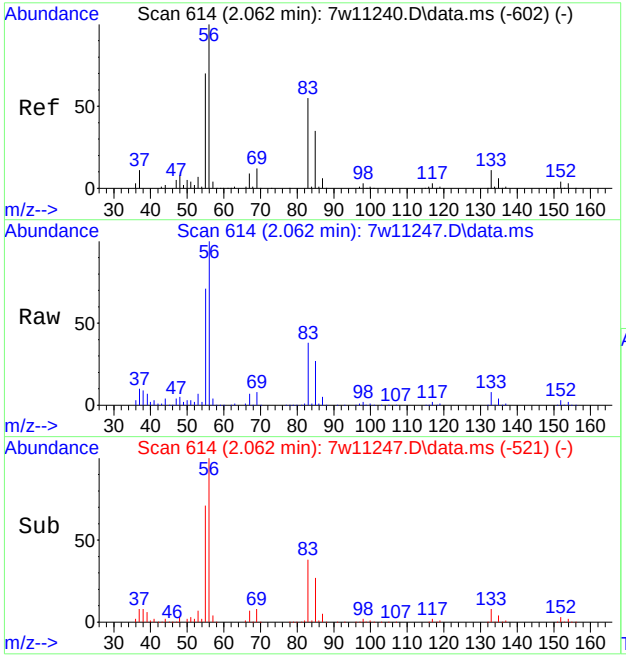



#17
ACETONITRILE
Concen: 9.97 PPBV
RT: 2.024 min Scan# 602
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 41 Resp: 102868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 40 | 53.7 | 37.9 | 70.5 |
| 39 | 19.7 | 13.8 | 25.6 |

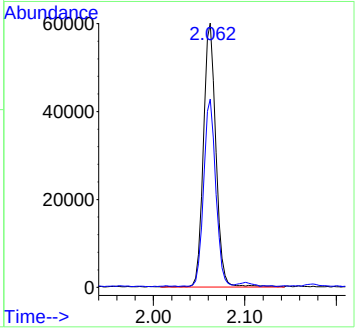


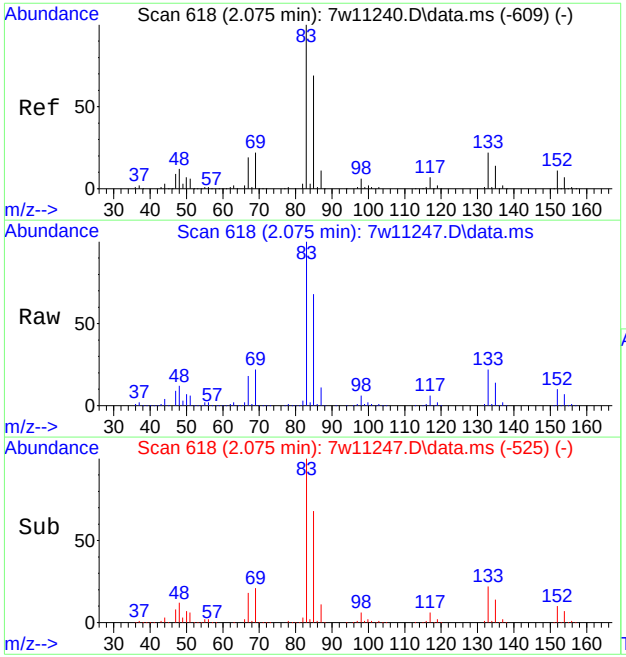




#18
ACROLEIN
Concen: 10.47 PPBV
RT: 2.062 min Scan# 614
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 56 Resp: 56736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 50.3 | 93.3 |

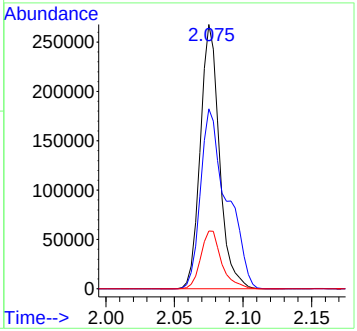


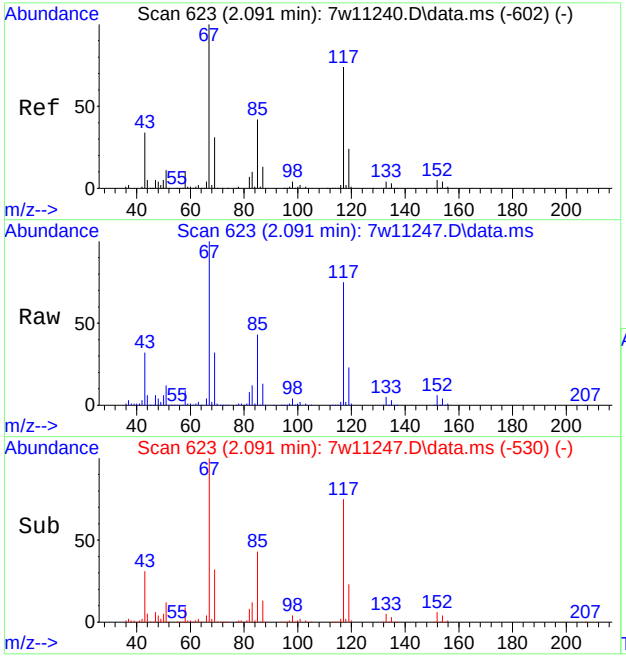



#19
FREON 123
Concen: 10.59 PPBV
RT: 2.075 min Scan# 618
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 258469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 94.1 | 67.4 | 125.2 |
| 133 | 23.8 | 16.6 | 30.8 |

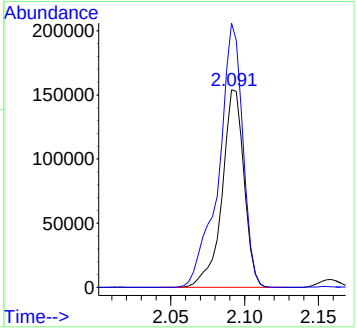


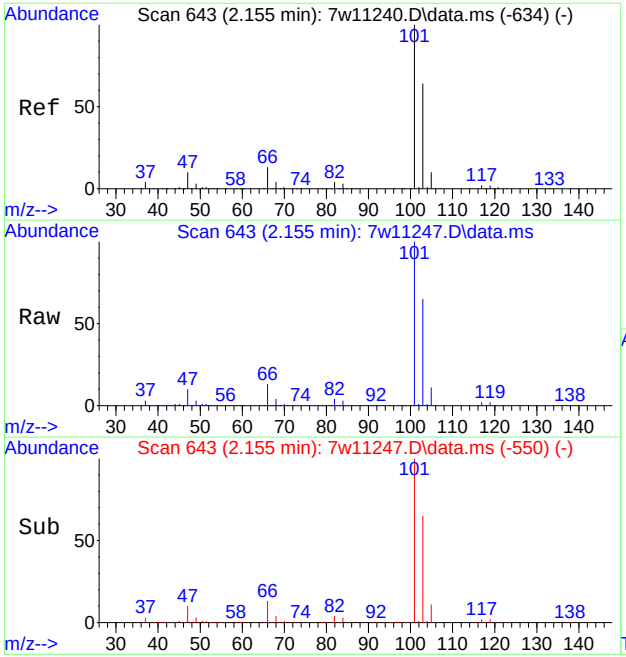




#20
FREON 123A
Concen: 10.43 PPBV
RT: 2.091 min Scan# 623
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 158572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 67 | 146.5 | 102.0 | 189.4 |

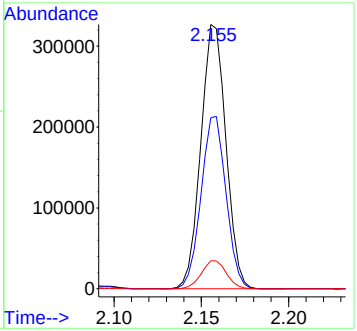


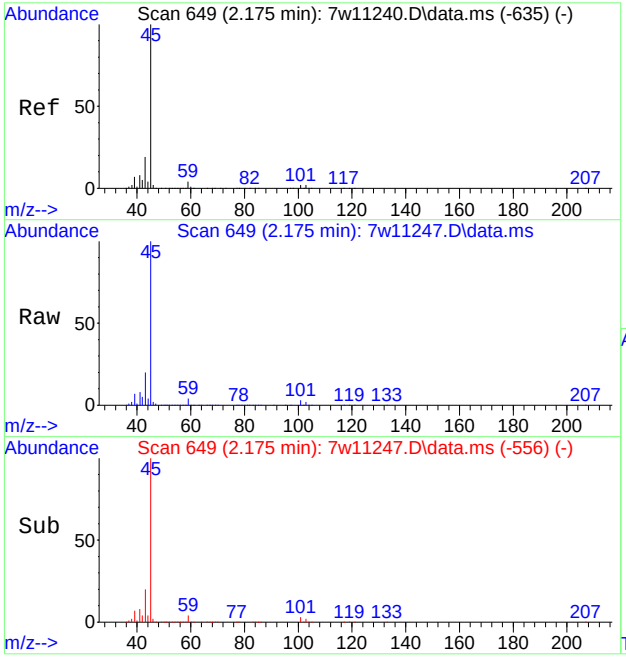



#21
TRICHLOROFLUOROMETHANE
Concen: 11.60 PPBV
RT: 2.155 min Scan# 643
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:101 Resp: 326972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.9 | 44.9 | 83.5 |
| 105 | 10.7 | 7.3 | 13.5 |

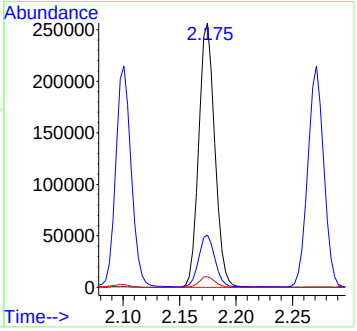


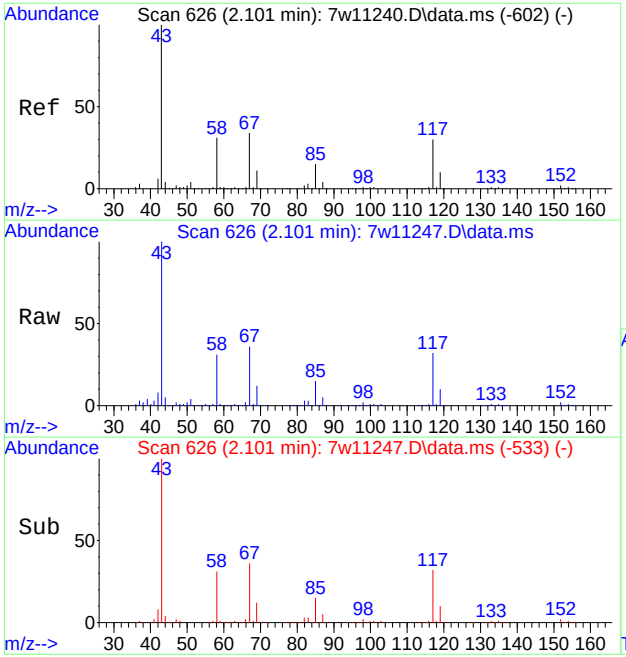




#22
ISOPROPYL ALCOHOL
Concen: 10.61 PPBV
RT: 2.175 min Scan# 649
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 45 Resp: 252254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 19.9 | 13.9 | 25.9 |
| 59 | 4.1 | 2.8 | 5.2 |

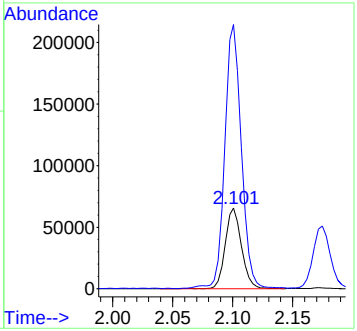


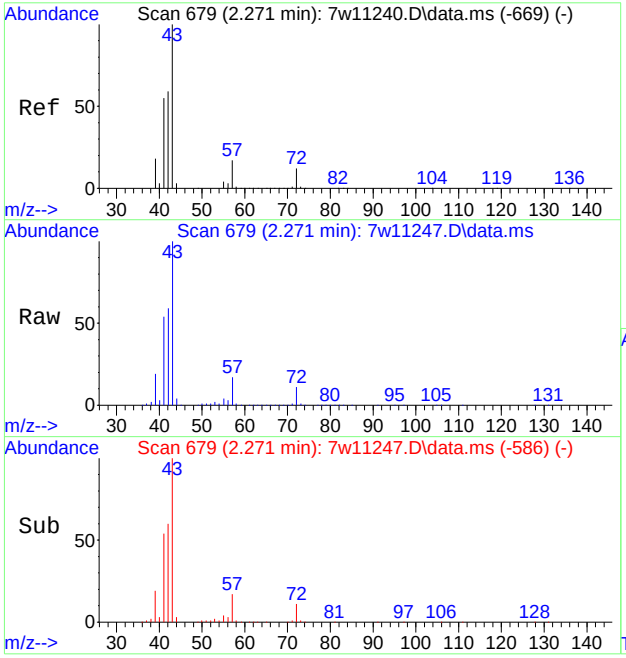



#23
ACETONE
Concen: 8.30 PPBV
RT: 2.101 min Scan# 626
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 61862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 331.5 | 234.4 | 435.2 |

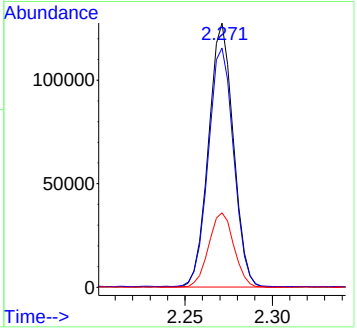


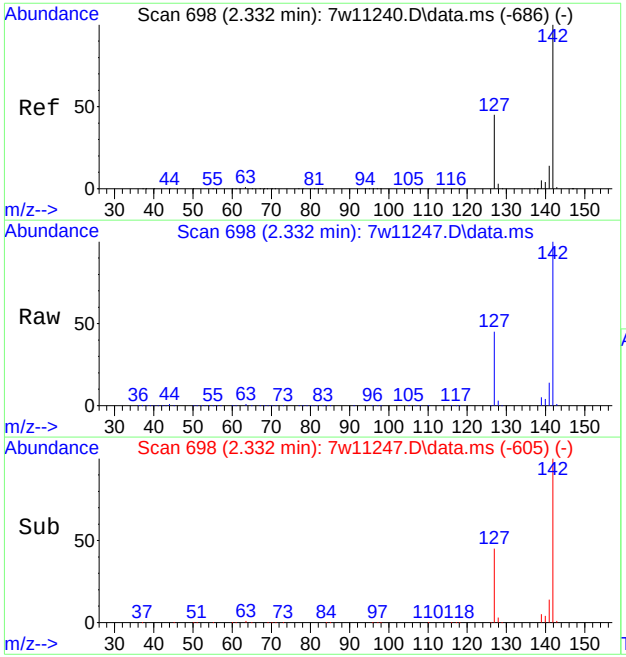




#24
PENTANE
Concen: 11.02 PPBV
RT: 2.271 min Scan# 679
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 42 Resp: 125892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 41 | 92.7 | 64.8 | 120.3 |
| 57 | 28.8 | 19.7 | 36.7 |

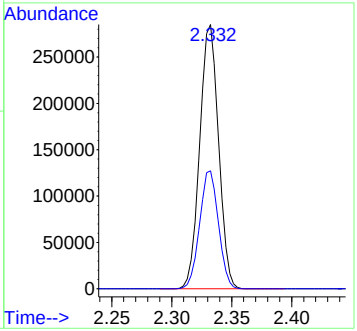


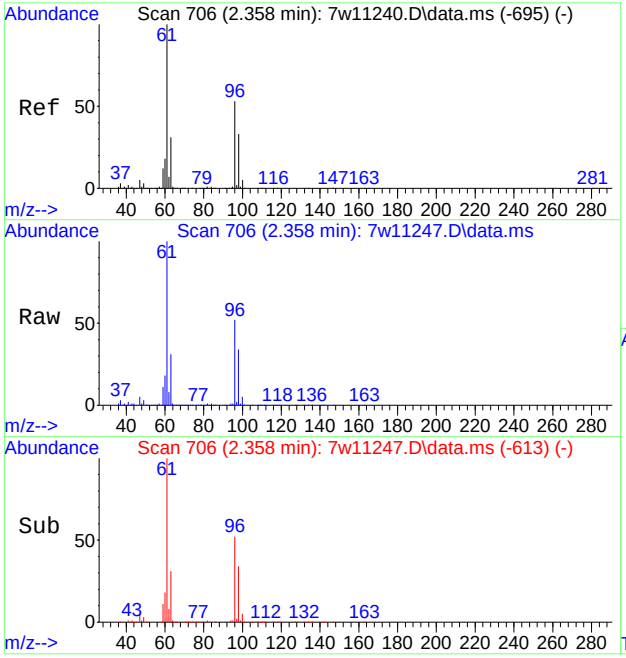



#25
IODOMETHANE
Concen: 12.05 PPBV
RT: 2.332 min Scan# 698
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:142 Resp: 311082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 44.6 | 31.4 | 58.2 |

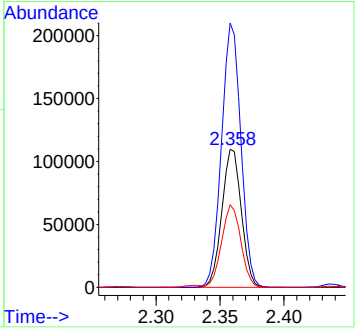


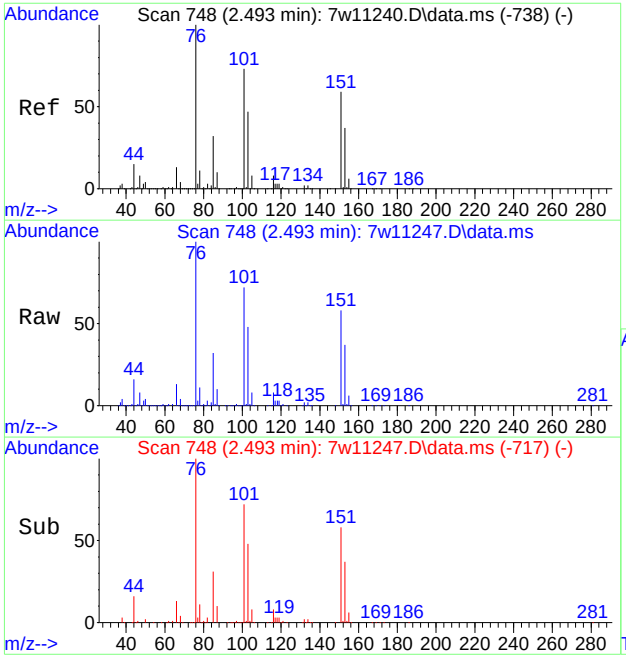




#26
1,1-DICHLOROETHYLENE
Concen: 10.45 PPBV
RT: 2.358 min Scan# 706
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 116228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 189.7 | 133.0 | 247.0 |
| 63 | 60.2 | 42.1 | 78.1 |

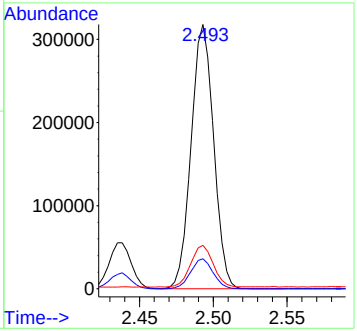


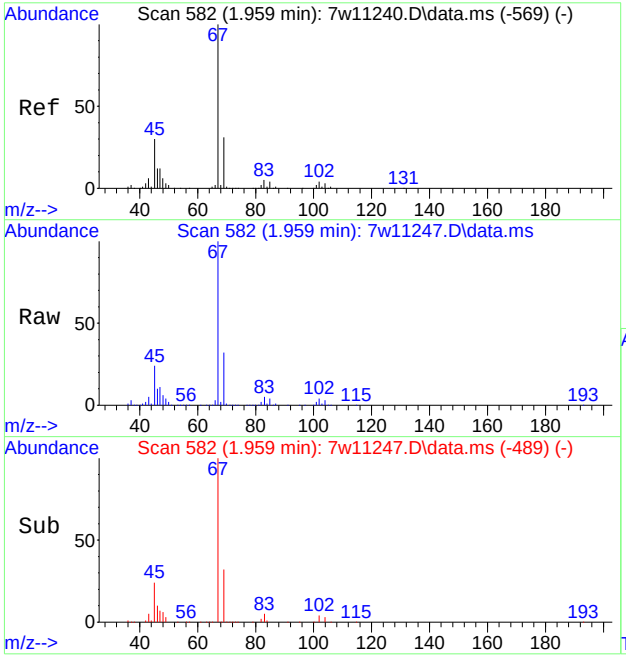



#27
CARBON DISULFIDE
Concen: 12.16 PPBV
RT: 2.493 min Scan# 748
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 336807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.3 | 7.8 | 14.6 |
| 44 | 15.9 | 11.3 | 20.9 |

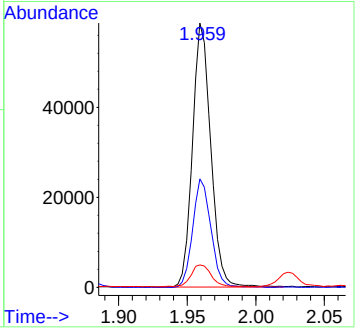


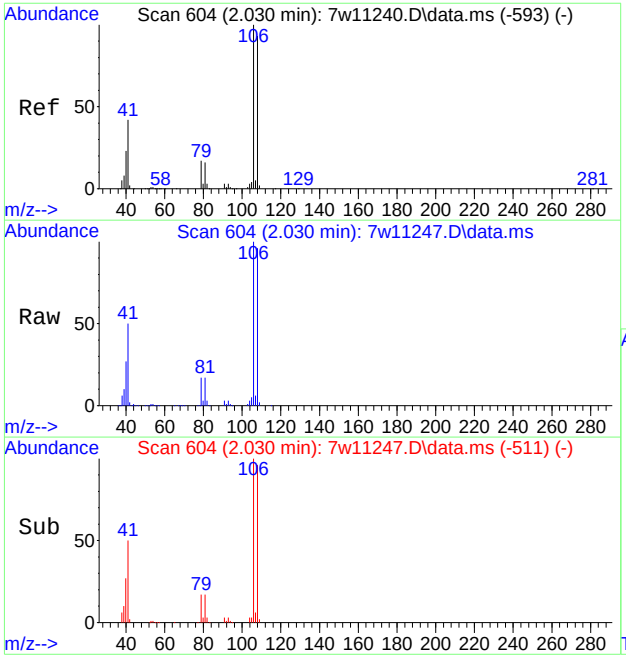




#28
ETHANOL
Concen: 8.36 PPBV
RT: 1.959 min Scan# 582
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 45 Resp: 54389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 46 | 41.0 | 28.6 | 53.0 |
| 42 | 9.4 | 6.3 | 11.7 |

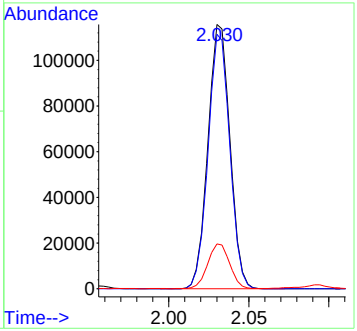


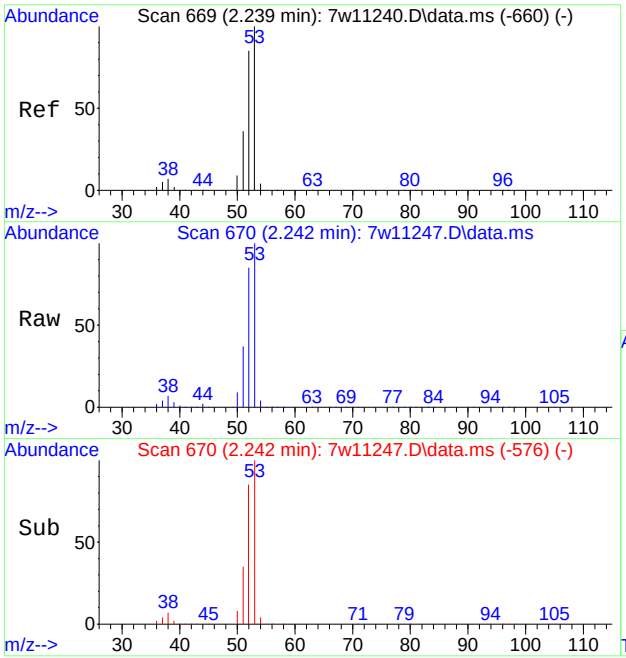



#29
BROMOETHENE
Concen: 10.85 PPBV
RT: 2.030 min Scan# 604
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:106 Resp: 110904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 108 | 94.8 | 65.5 | 121.7 |
| 81 | 16.9 | 11.3 | 20.9 |

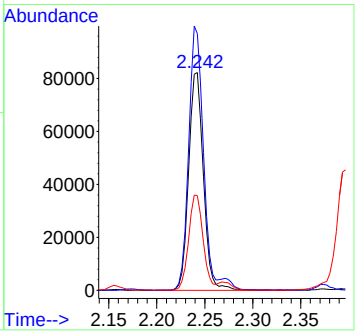


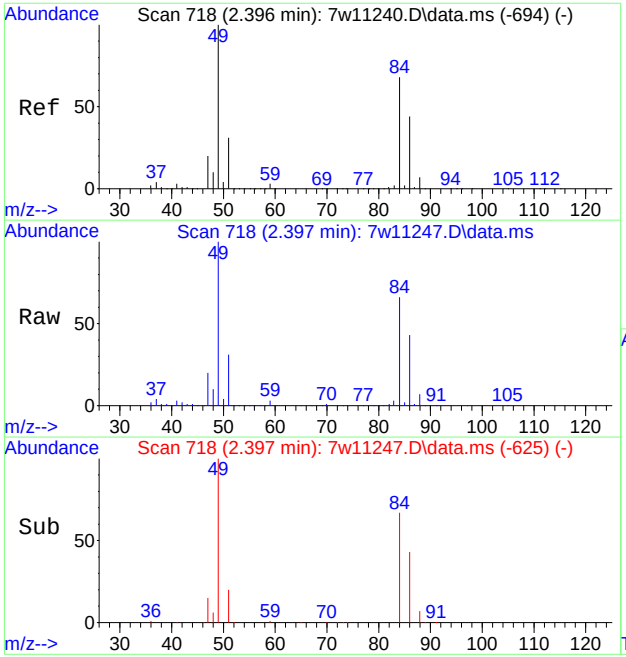




#30
ACRYLONITRILE
Concen: 9.55 PPBV
RT: 2.242 min Scan# 670
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 52 Resp: 88143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 52 | 100 | | |
| 53 | 123.6 | 85.2 | 158.2 |
| 51 | 47.0 | 32.2 | 59.8 |

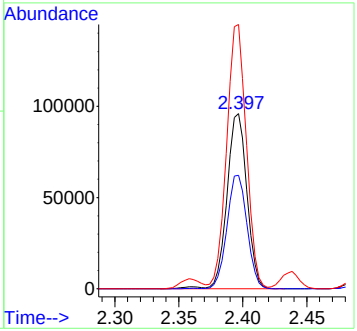


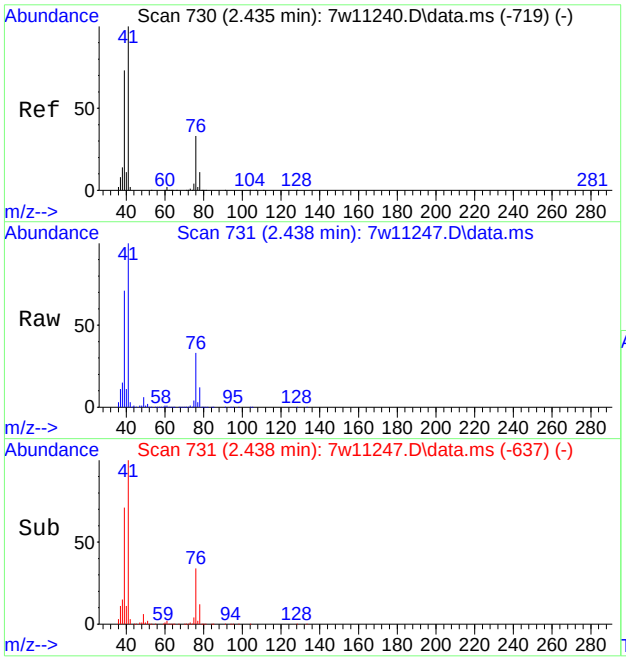



#31
METHYLENE CHLORIDE
Concen: 10.24 PPBV
RT: 2.397 min Scan# 718
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 84 Resp: 104004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.5 | 46.0 | 85.4 |
| 49 | 154.5 | 103.9 | 192.9 |

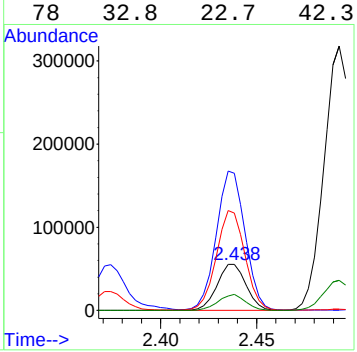


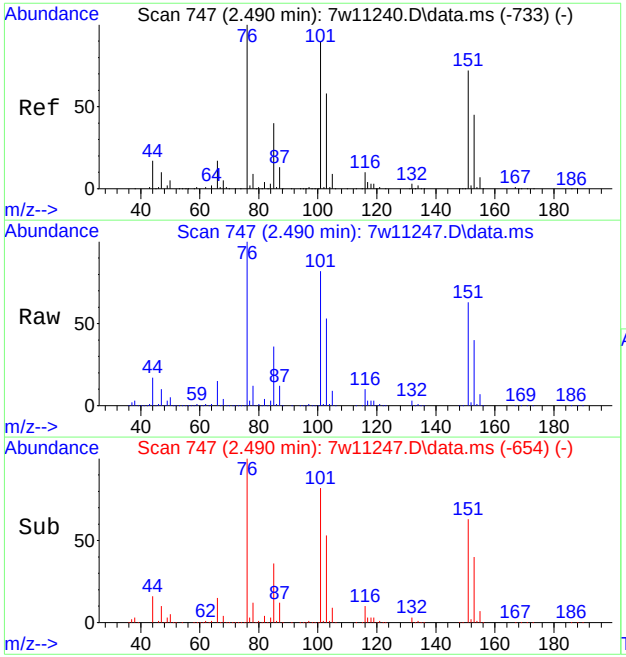




#32
3-CHLOROPROPENE
Concen: 10.99 PPBV
RT: 2.438 min Scan# 731
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 58086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 41 | 298.9 | 211.4 | 392.6 |
| 39 | 213.0 | 151.3 | 281.1 |
| 78 | 32.8 | 22.7 | 42.3 |

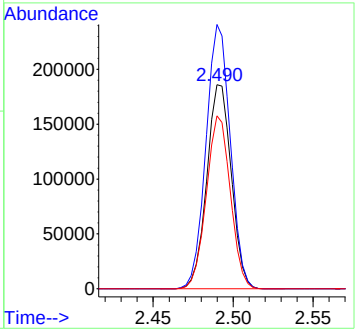


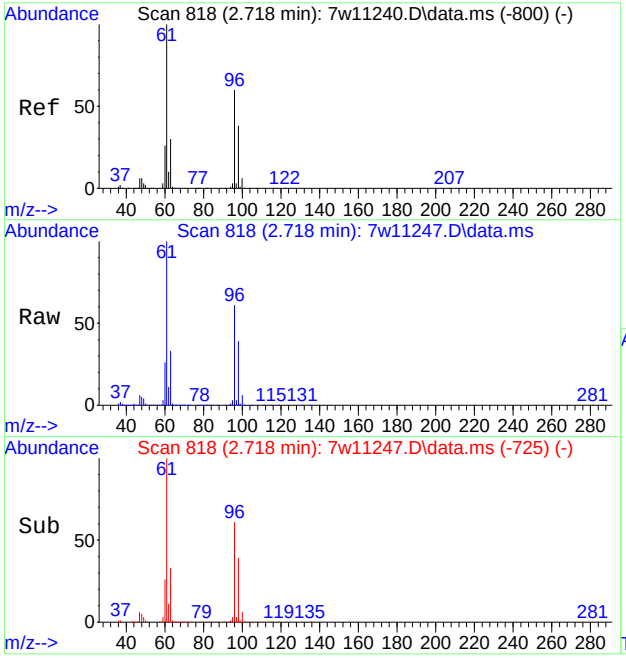



#33
FREON 113
Concen: 11.77 PPBV
RT: 2.490 min Scan# 747
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:151 Resp: 198243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 151 | 100 | | |
| 101 | 128.2 | 89.3 | 165.9 |
| 103 | 83.0 | 57.5 | 106.9 |

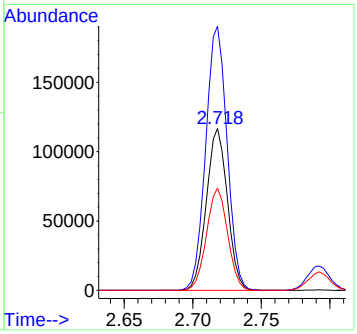


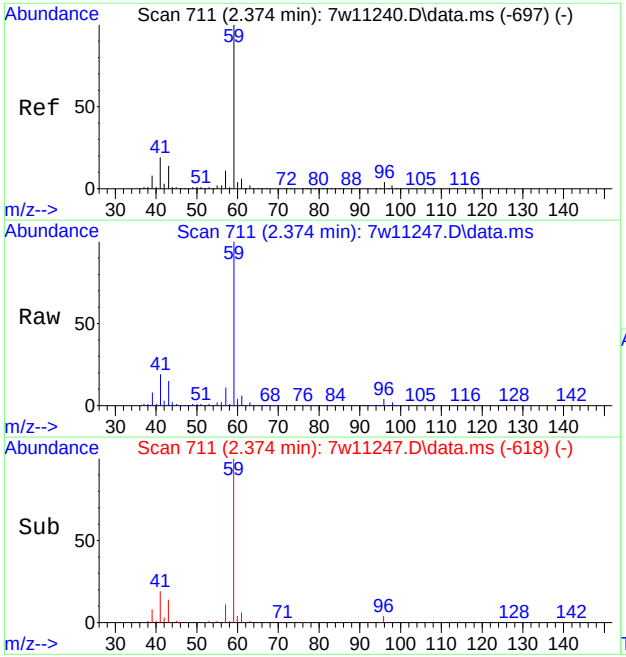




#34
TRANS-1,2-DICHLOROETHENE
Concen: 10.79 PPBV
RT: 2.718 min Scan# 818
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 124974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.1 | 116.2 | 215.8 |
| 98 | 63.1 | 44.2 | 82.2 |

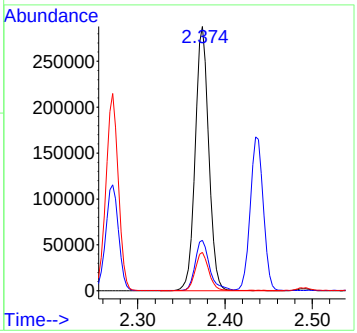


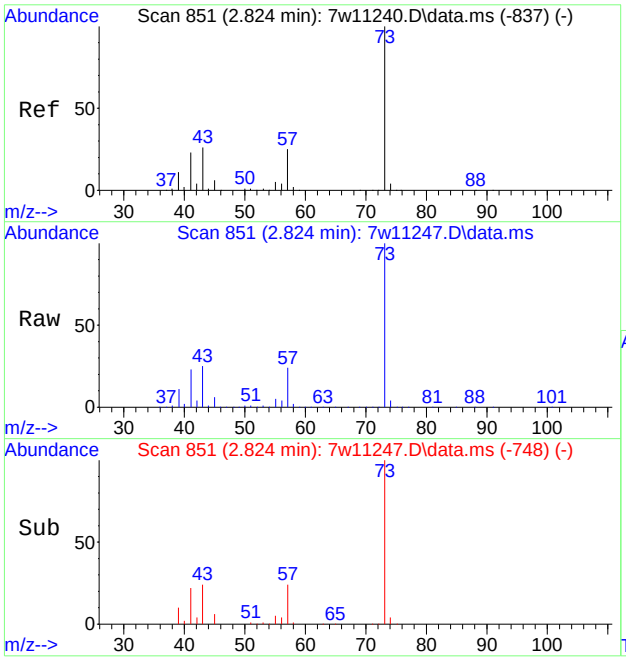



#35
TERTIARY BUTYL ALCOHOL
Concen: 11.34 PPBV
RT: 2.374 min Scan# 711
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 59 Resp: 310048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 41 | 20.1 | 14.3 | 26.5 |
| 43 | 14.3 | 9.9 | 18.5 |

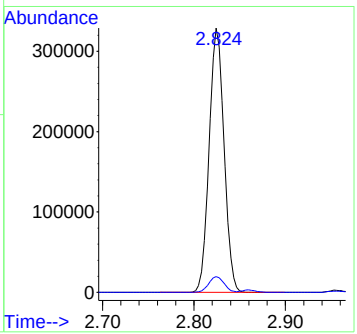


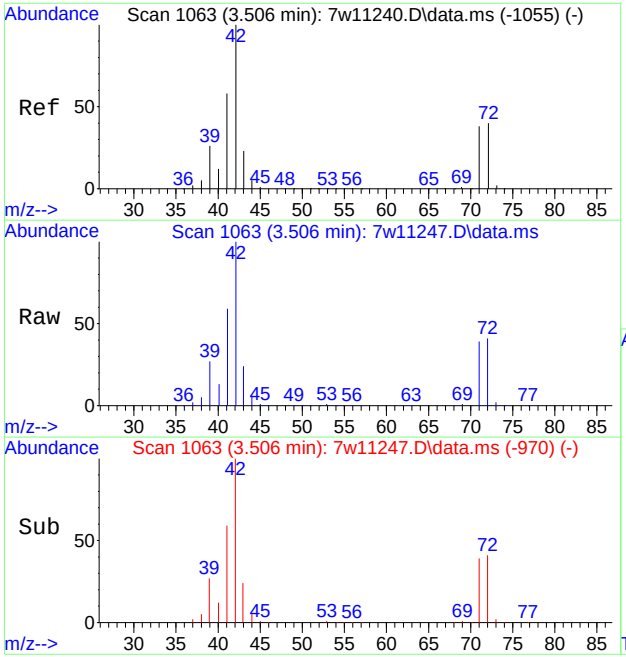




#36
METHYL TERTIARY BUTYL ETHER
Concen: 11.23 PPBV
RT: 2.824 min Scan# 851
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 73 Resp: 371996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 45 | 6.2 | 4.5 | 8.3 |

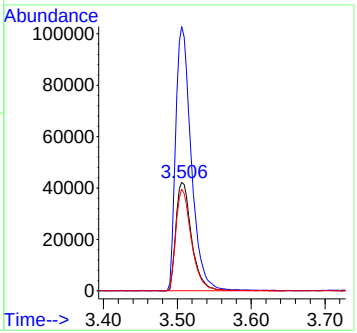


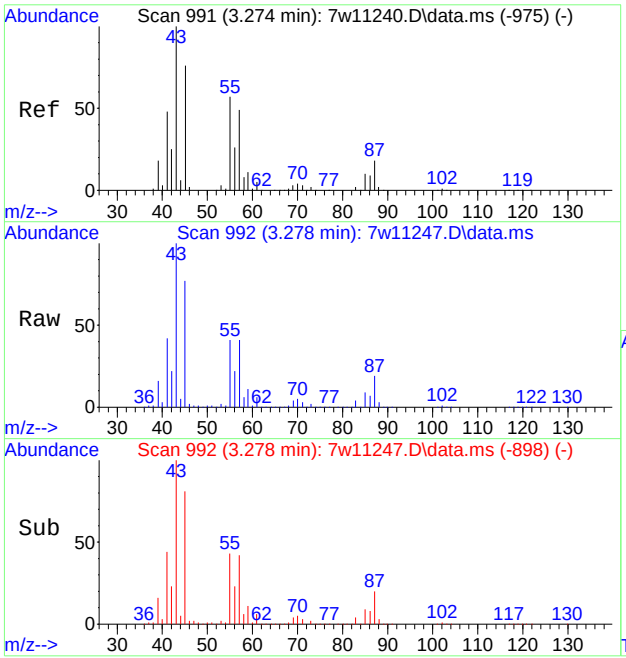



#37
TETRAHYDROFURAN
Concen: 12.21 PPBV
RT: 3.506 min Scan# 1063
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 72 Resp: 62673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 42 | 240.5 | 174.9 | 324.9 |
| 71 | 92.1 | 67.2 | 124.8 |

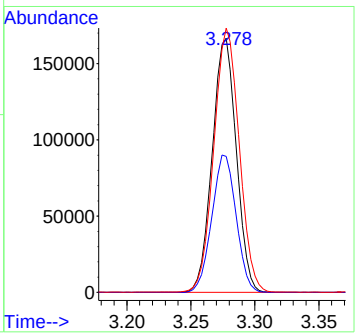


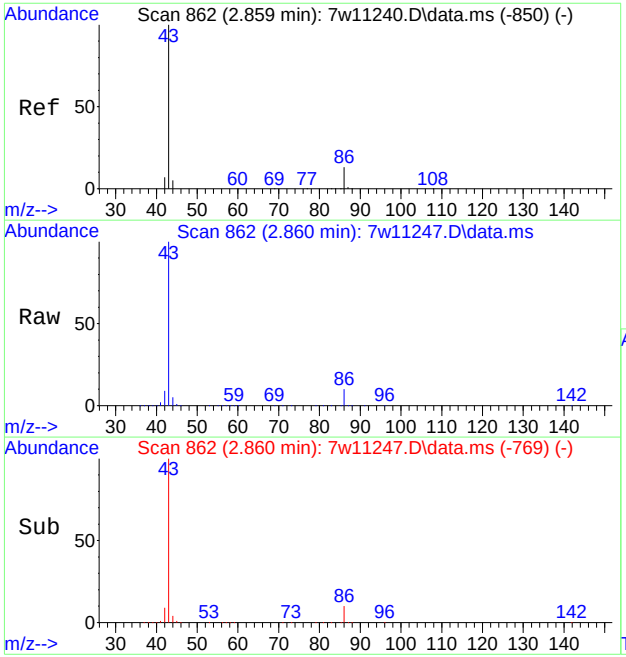




#38
HEXANE
Concen: 10.33 PPBV
RT: 3.278 min Scan# 992
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 218344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 54.5 | 37.8 | 70.2 |
| 41 | 109.6 | 75.9 | 140.9 |

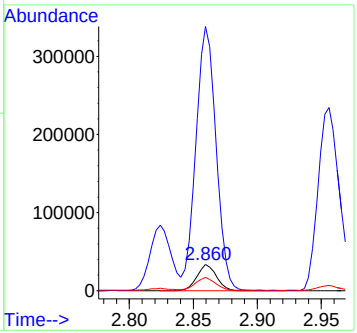


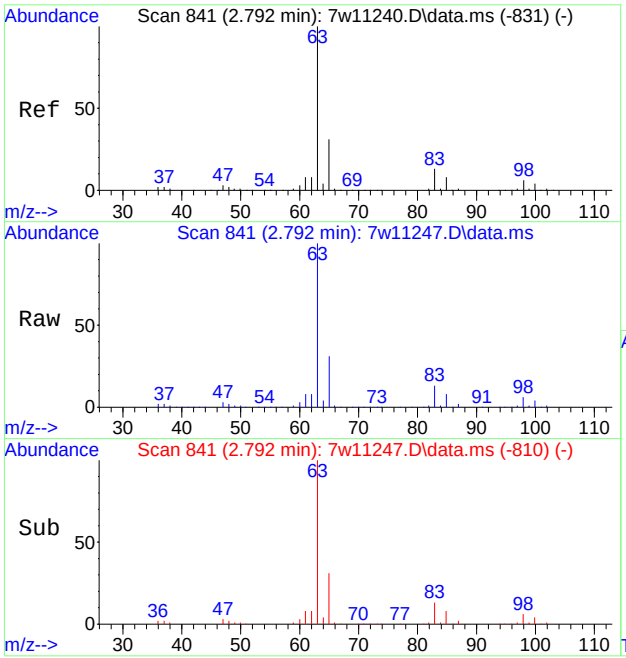



#39
VINYL ACETATE
Concen: 11.38 PPBV
RT: 2.860 min Scan# 862
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 86 Resp: 35662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 86 | 100 | | |
| 43 | 1050.0 | 719.4 | 1336.0 |
| 44 | 50.1 | 34.6 | 64.2 |

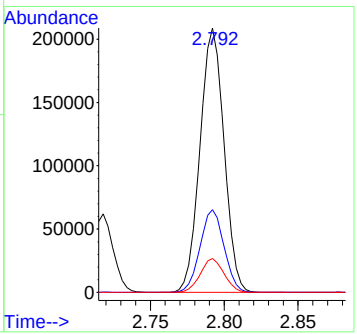


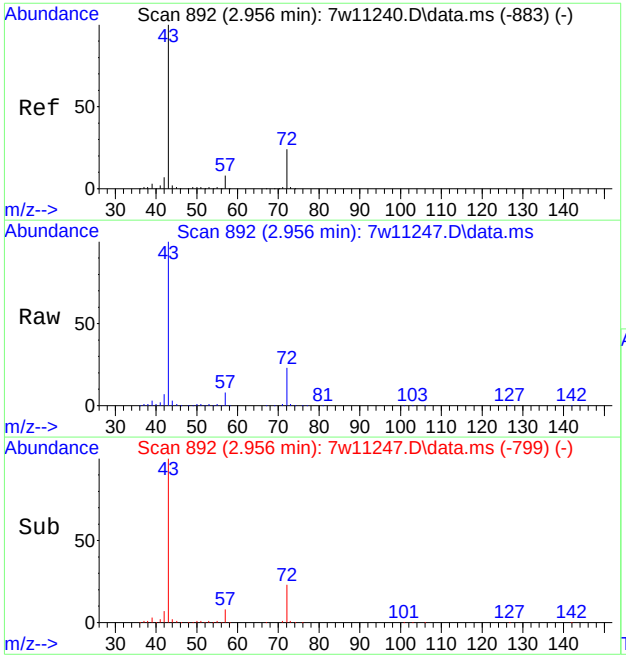




#40
1,1-DICHLOROETHANE
Concen: 11.36 PPBV
RT: 2.792 min Scan# 841
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 63 Resp: 235369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.2 | 21.7 | 40.3 |
| 83 | 12.7 | 8.9 | 16.5 |

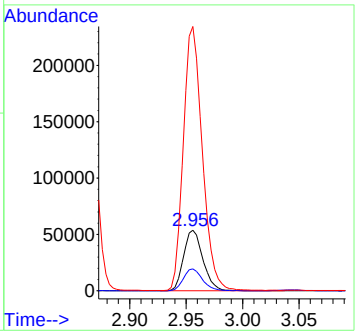


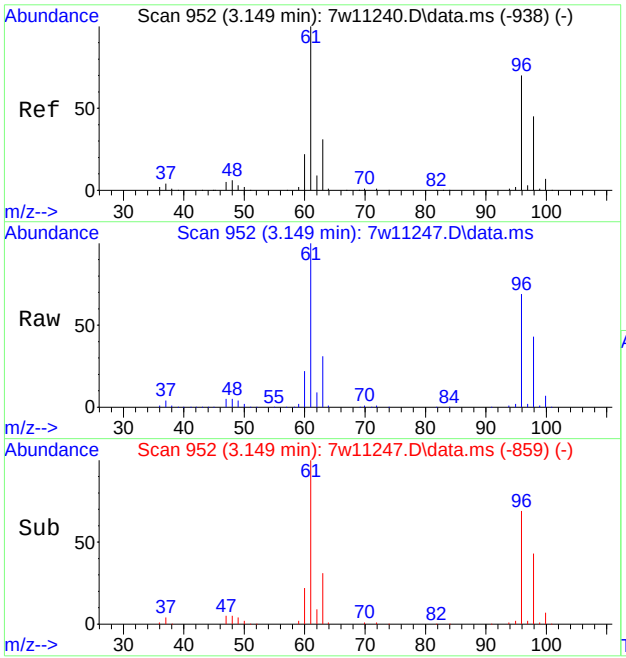



#41
METHYL ETHYL KETONE
Concen: 11.26 PPBV
RT: 2.956 min Scan# 892
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 72 Resp: 64179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 72 | 100 | | |
| 57 | 36.0 | 25.3 | 46.9 |
| 43 | 430.7 | 299.6 | 556.4 |

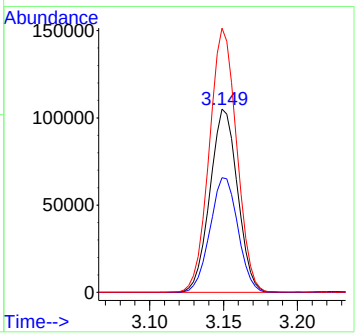


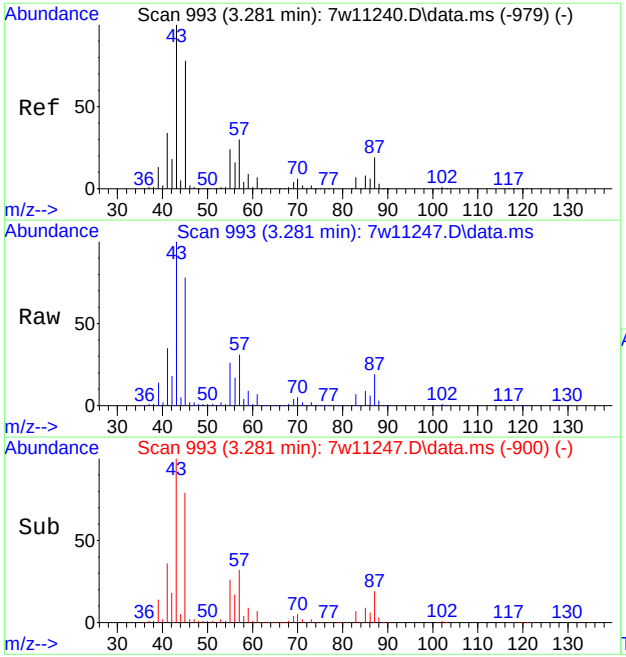




#42
CIS-1,2-DICHLOROETHENE
Concen: 11.43 PPBV
RT: 3.149 min Scan# 952
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 96 Resp: 136309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 98 | 63.4 | 44.8 | 83.2 |
| 61 | 142.9 | 100.0 | 185.8 |

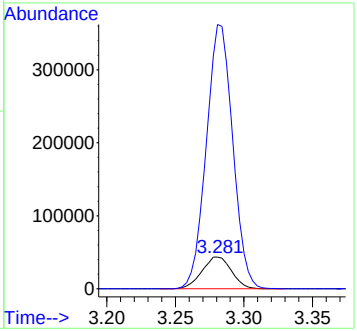


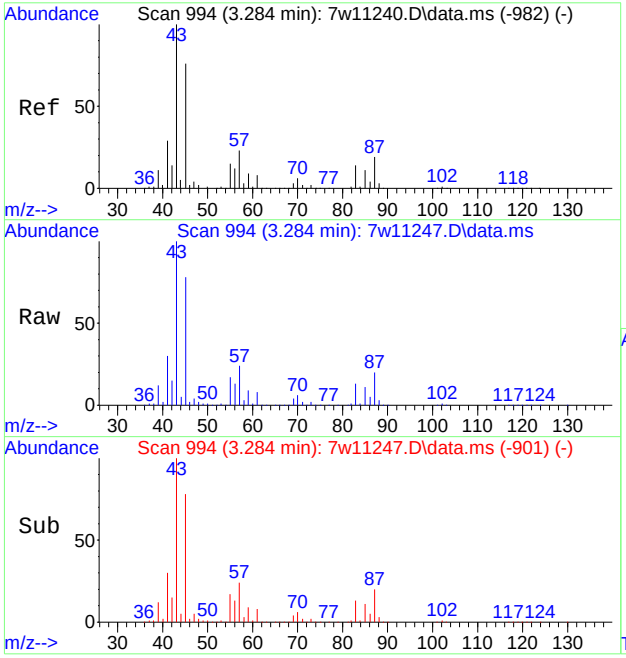



#43
DIISOPROPYL ETHER
Concen: 11.11 PPBV
RT: 3.281 min Scan# 993
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 59 Resp: 65035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 45 | 747.0 | 532.8 | 989.6 |

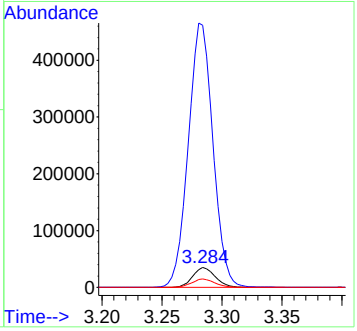


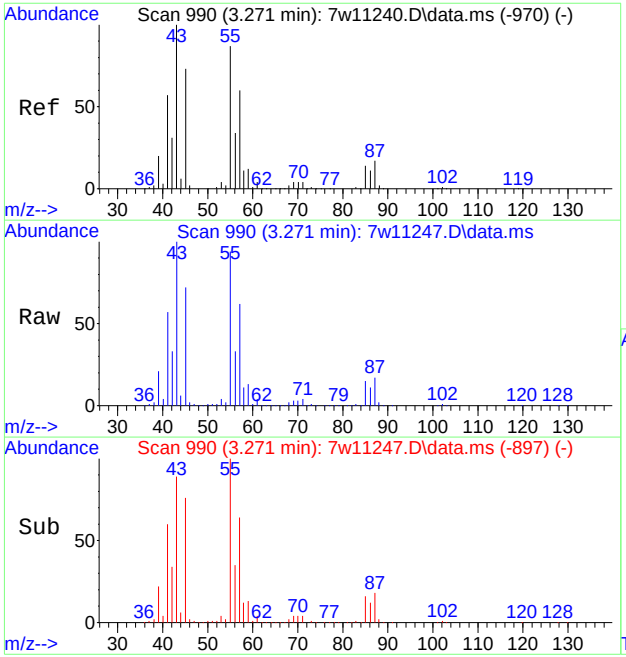




#44
ETHYL ACETATE
Concen: 11.36 PPBV
RT: 3.284 min Scan# 994
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 61 Resp: 45987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 61 | 100 | | |
| 43 | 1447.1 | 1005.1 | 1866.5 |
| 88 | 43.0 | 29.3 | 54.5 |

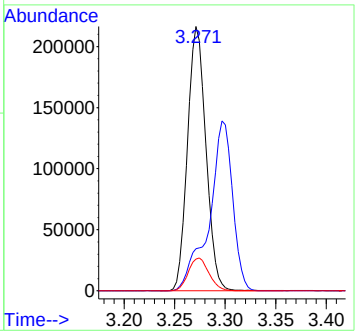


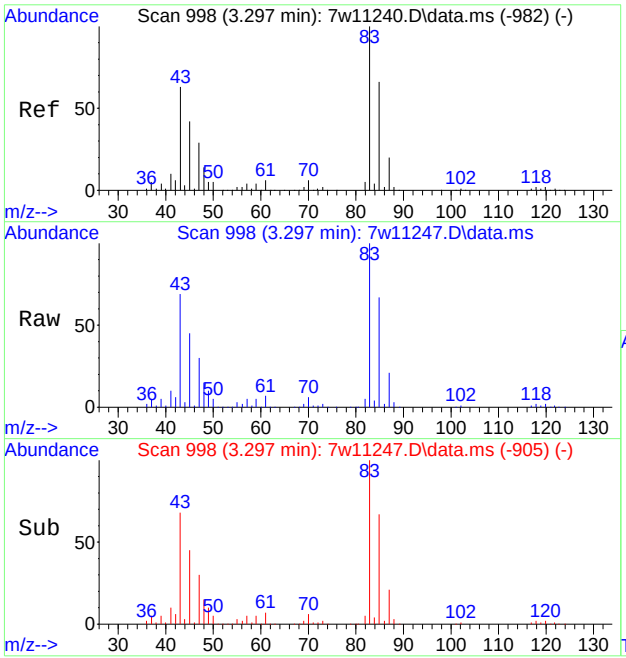



#45
METHYL ACRYLATE
Concen: 11.61 PPBV
RT: 3.271 min Scan# 990
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 55 Resp: 275665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 85 | 0.0 | 0.0 | 0.0 |
| 58 | 13.8 | 9.8 | 18.2 |

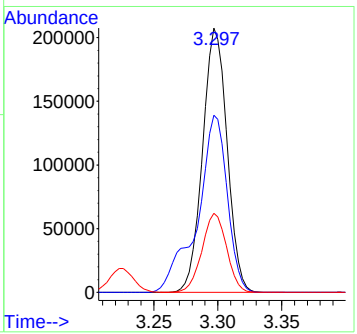


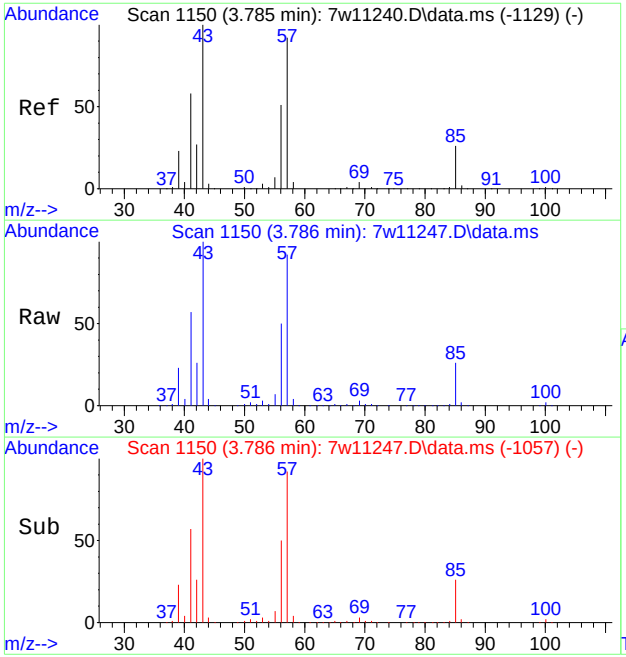




#46
CHLOROFORM
Concen: 11.77 PPBV
RT: 3.297 min Scan# 998
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 276173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 81.6 | 57.0 | 105.9 |
| 47 | 30.1 | 20.9 | 38.7 |

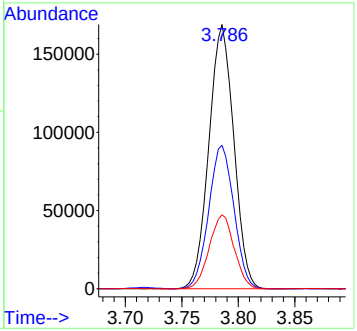


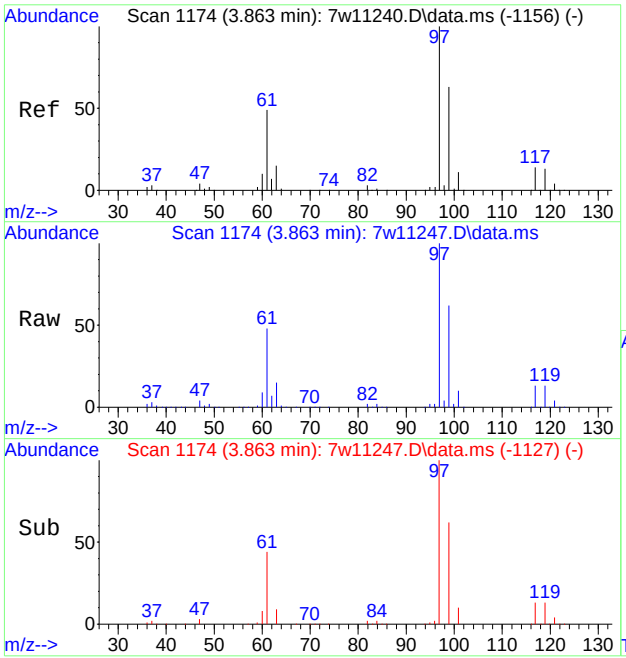



#47
2,4-DIMETHYLPENTANE
Concen: 11.06 PPBV
RT: 3.786 min Scan# 1150
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 258551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 55.0 | 38.4 | 71.2 |
| 85 | 28.1 | 19.1 | 35.5 |

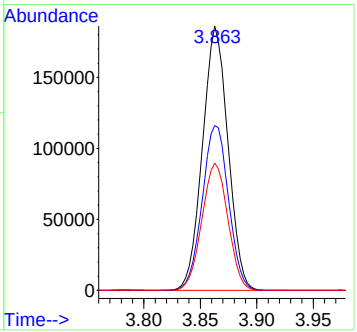


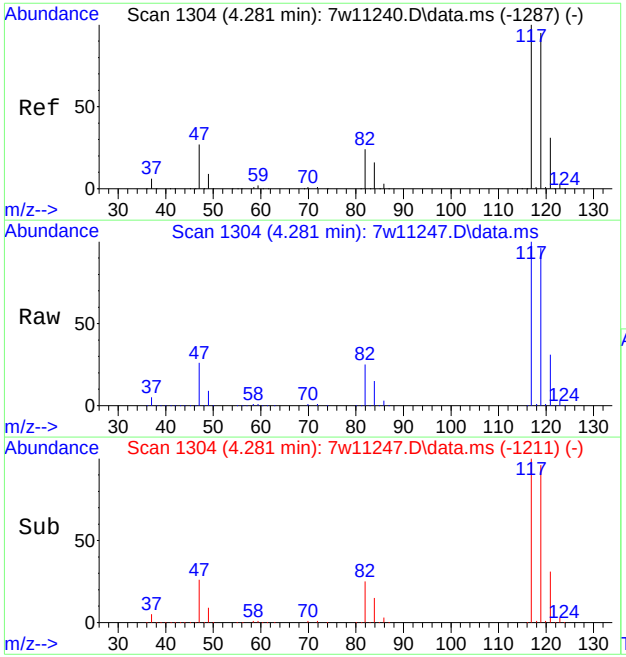




#48
1,1,1-TRICHLOROETHANE
Concen: 11.59 PPBV
RT: 3.863 min Scan# 1174
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 97 Resp: 291531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 45.1 | 83.9 |
| 61 | 49.2 | 34.2 | 63.6 |

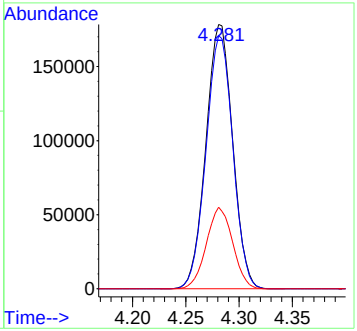


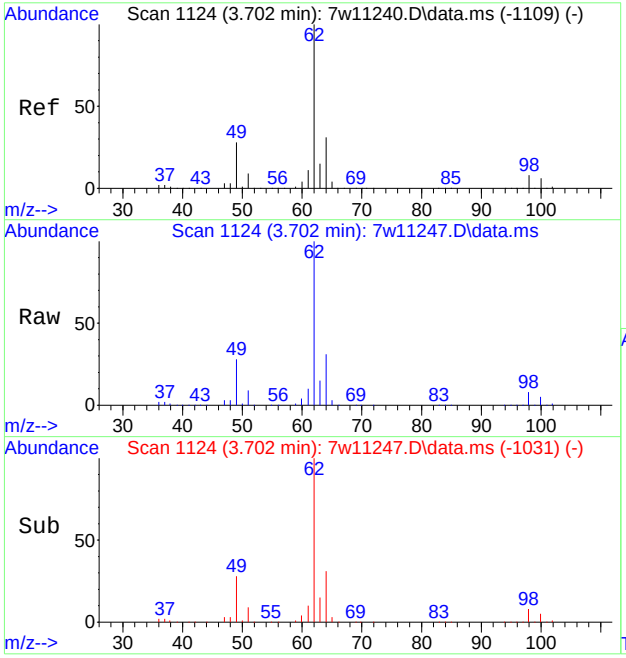



#49
CARBON TETRACHLORIDE
Concen: 12.49 PPBV
RT: 4.281 min Scan# 1304
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 311447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.9 | 66.8 | 124.2 |
| 121 | 30.4 | 21.4 | 39.8 |

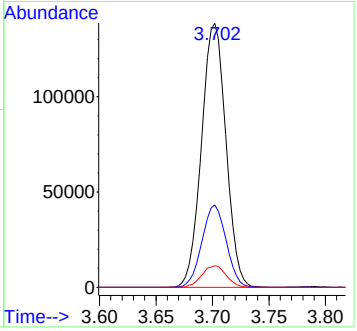


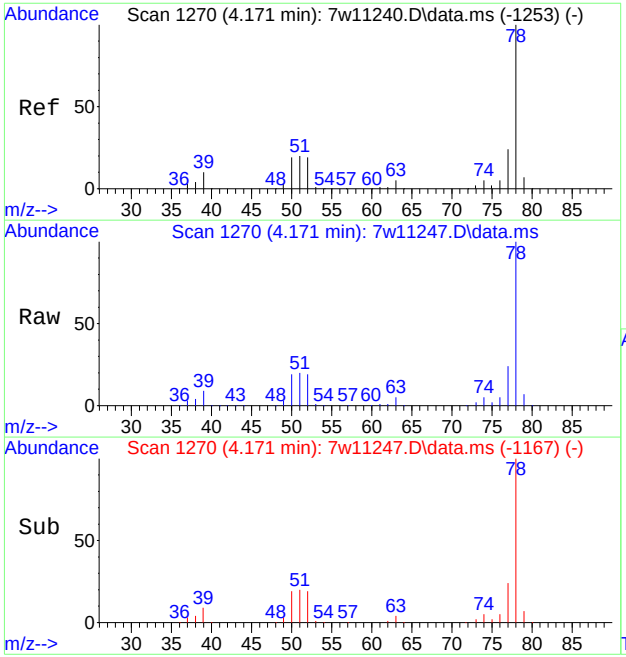




#50
1,2-DICHLOROETHANE
Concen: 11.83 PPBV
RT: 3.702 min Scan# 1124
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 62 Resp: 207686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 21.9 | 40.7 |
| 98 | 8.3 | 5.6 | 10.4 |

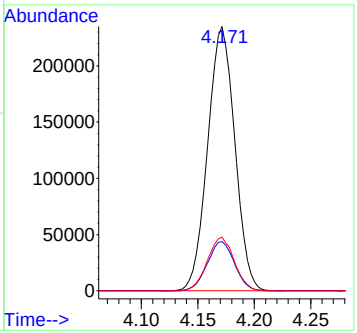


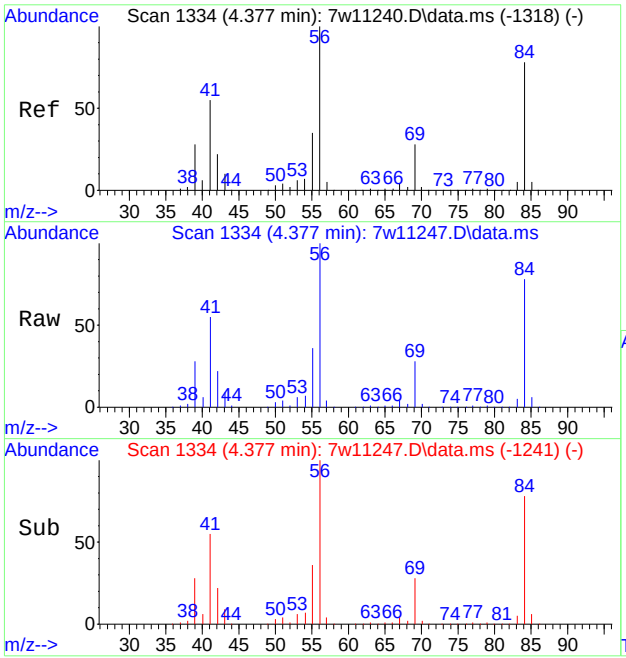



#51
BENZENE
Concen: 11.43 PPBV
RT: 4.171 min Scan# 1270
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 78 Resp: 391655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 52 | 18.6 | 0.0 | 48.9 |
| 51 | 20.1 | 0.0 | 50.2 |

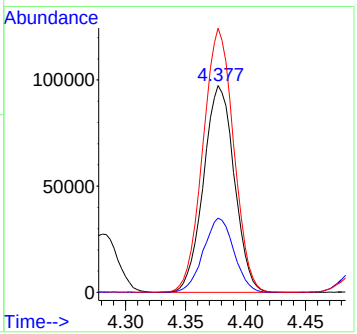


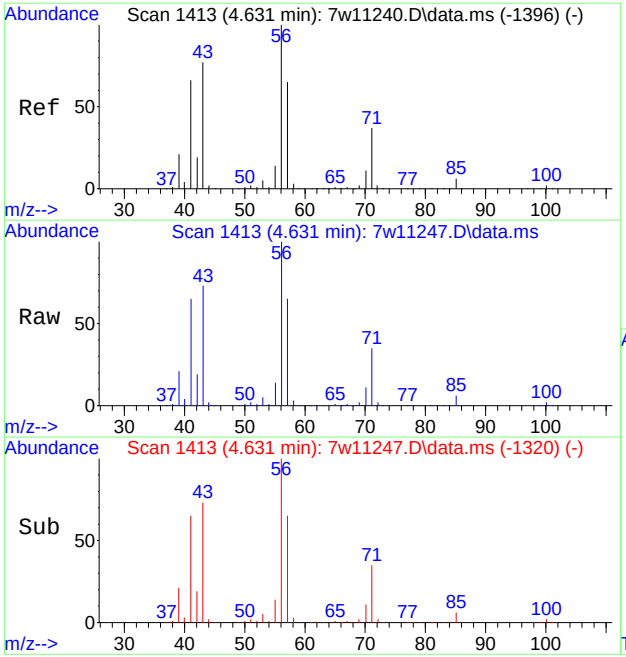




#53
CYCLOHEXANE
Concen: 11.40 PPBV
RT: 4.377 min Scan# 1334
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 84 Resp: 173685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 69 | 35.7 | 24.8 | 46.0 |
| 56 | 127.6 | 89.8 | 166.8 |

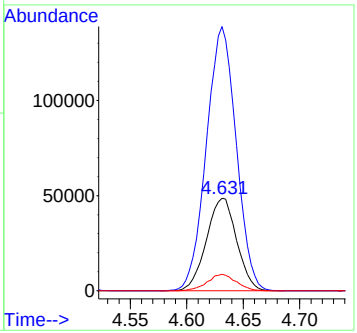


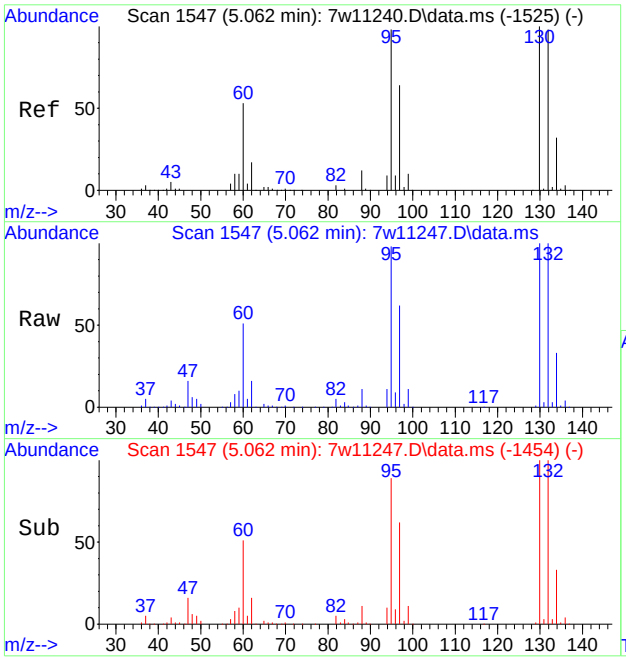



#54
2,3-DIMETHYLPENTANE
Concen: 11.29 PPBV
RT: 4.631 min Scan# 1413
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 71 Resp: 90324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 71 | 100 | | |
| 56 | 281.4 | 199.6 | 370.8 |
| 85 | 17.1 | 12.1 | 22.5 |

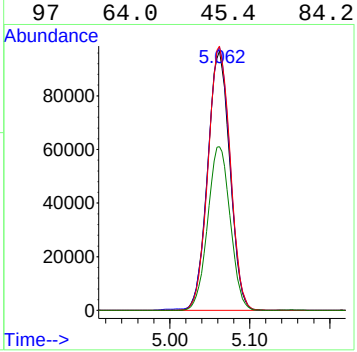


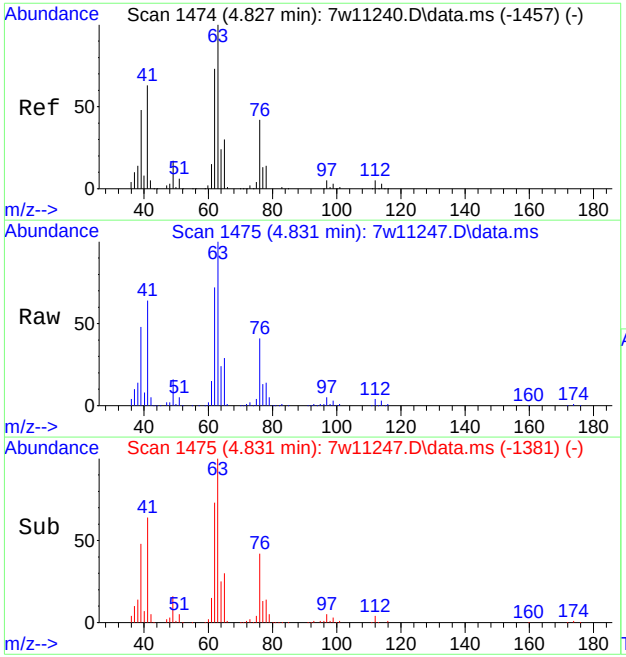




#55
TRICHLOROETHENE
Concen: 11.35 PPBV
RT: 5.062 min Scan# 1547
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 95 Resp: 186131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 130 | 102.0 | 72.8 | 135.2 |
| 132 | 101.8 | 71.9 | 133.5 |
| 97 | 64.0 | 45.4 | 84.2 |

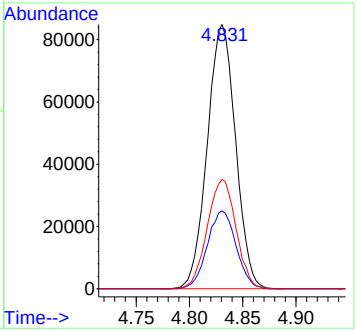


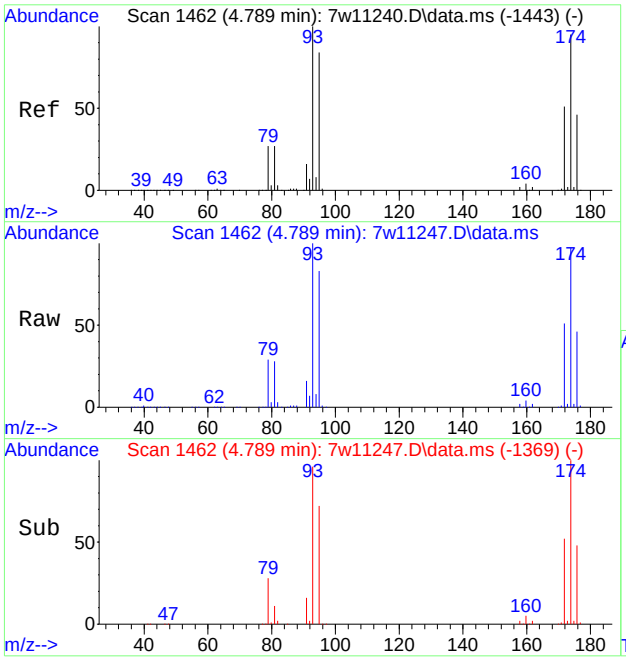



#56
1,2-DICHLOROPROPANE
Concen: 11.21 PPBV
RT: 4.831 min Scan# 1475
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 63 Resp: 156847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.9 | 21.2 | 39.4 |
| 76 | 41.9 | 29.6 | 55.0 |

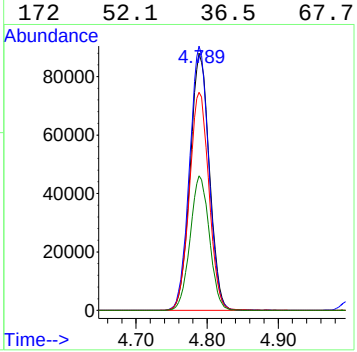


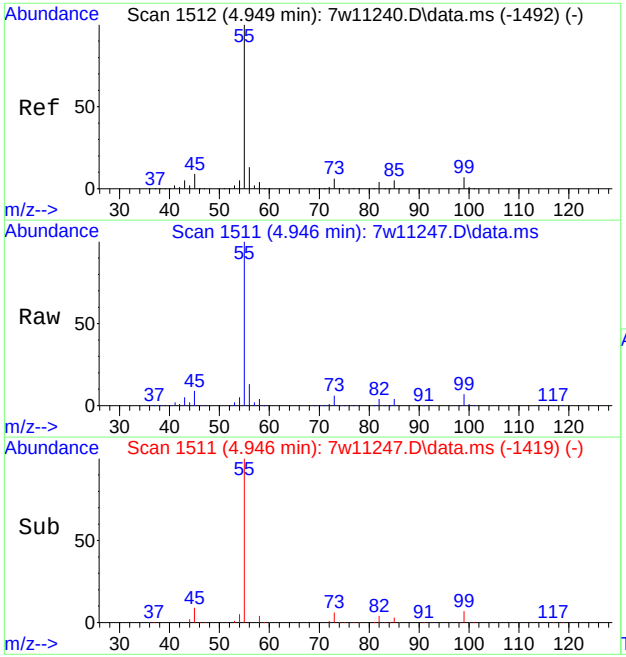




#57
DIBROMOMETHANE
Concen: 10.76 PPBV
RT: 4.789 min Scan# 1462
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:174 Resp: 165870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 174 | 100 | | |
| 93 | 102.6 | 72.0 | 133.6 |
| 95 | 85.8 | 59.7 | 110.9 |
| 172 | 52.1 | 36.5 | 67.7 |

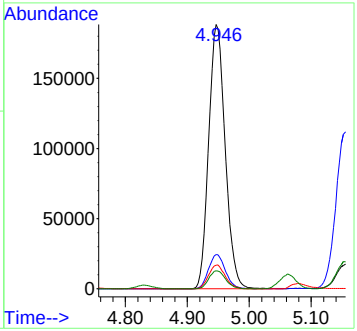


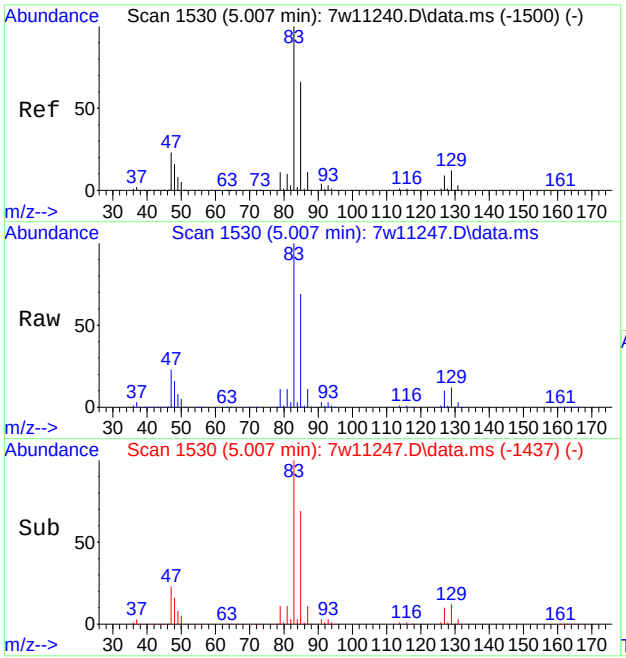



#58
ETHYL ACRYLATE
Concen: 11.73 PPBV
RT: 4.946 min Scan# 1511
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 55 Resp: 348773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 55 | 100 | | |
| 56 | 13.2 | 9.1 | 16.9 |
| 45 | 9.2 | 6.4 | 12.0 |
| 99 | 6.9 | 4.8 | 9.0 |

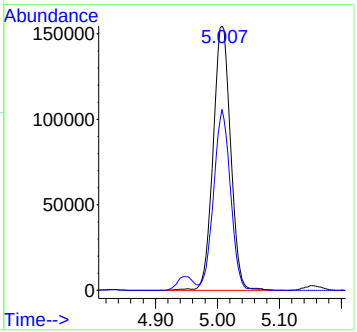


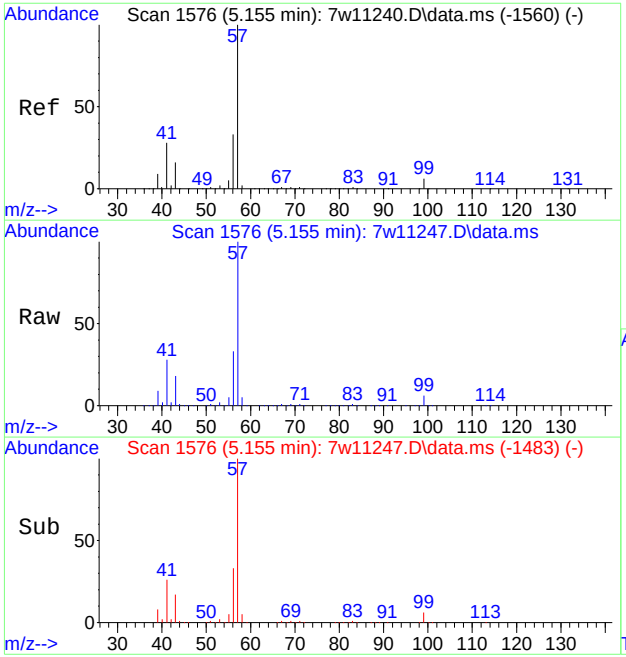




#59
BROMODICHLOROMETHANE
Concen: 11.65 PPBV
RT: 5.007 min Scan# 1530
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 304404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.5 | 45.8 | 85.2 |

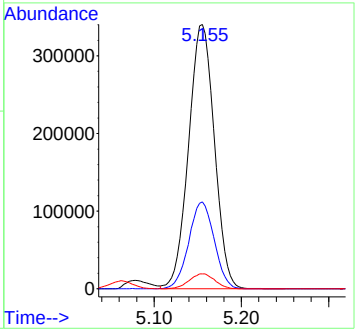


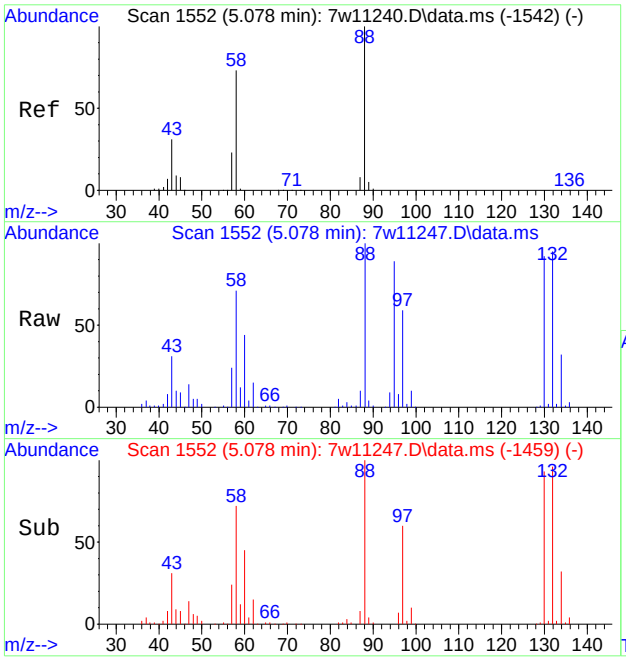



#60
2,2,4-TRIMETHYLPENTANE
Concen: 11.28 PPBV
RT: 5.155 min Scan# 1576
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 57 Resp: 699924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 57 | 100 | | |
| 56 | 32.4 | 22.7 | 42.1 |
| 99 | 5.6 | 3.9 | 7.3 |

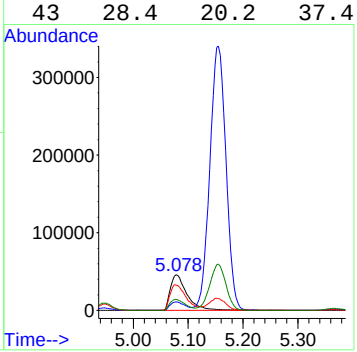


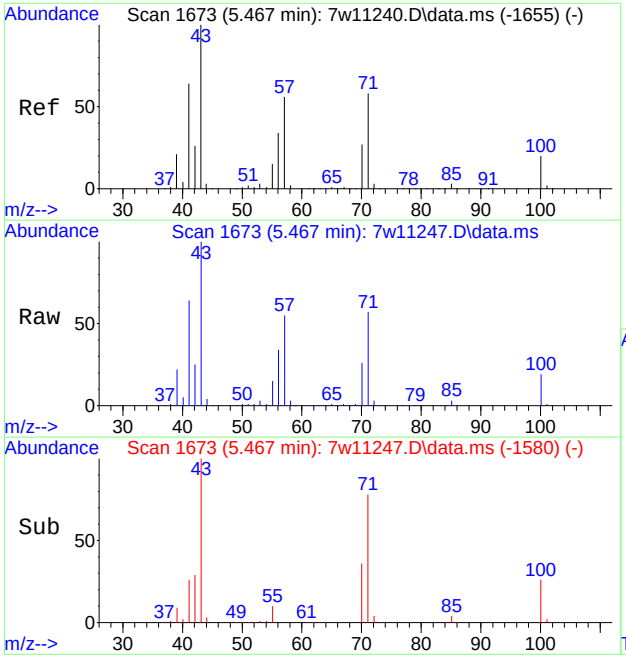




#61
1,4-DIOXANE
Concen: 10.66 PPBV
RT: 5.078 min Scan# 1552
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 88 Resp: 97454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 57 | 21.5 | 15.0 | 27.8 |
| 58 | 70.2 | 50.0 | 92.8 |
| 43 | 28.4 | 20.2 | 37.4 |

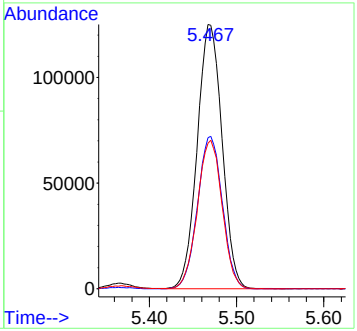


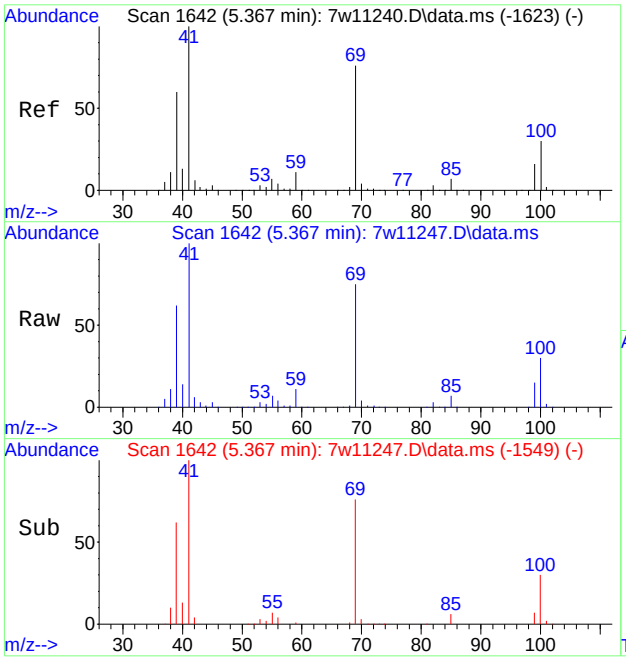



#62
HEPTANE
Concen: 11.40 PPBV
RT: 5.467 min Scan# 1673
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 248482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 71 | 57.5 | 40.0 | 74.4 |
| 57 | 56.0 | 38.9 | 72.2 |

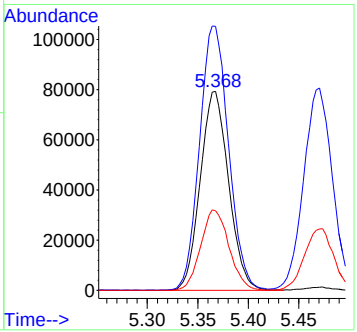


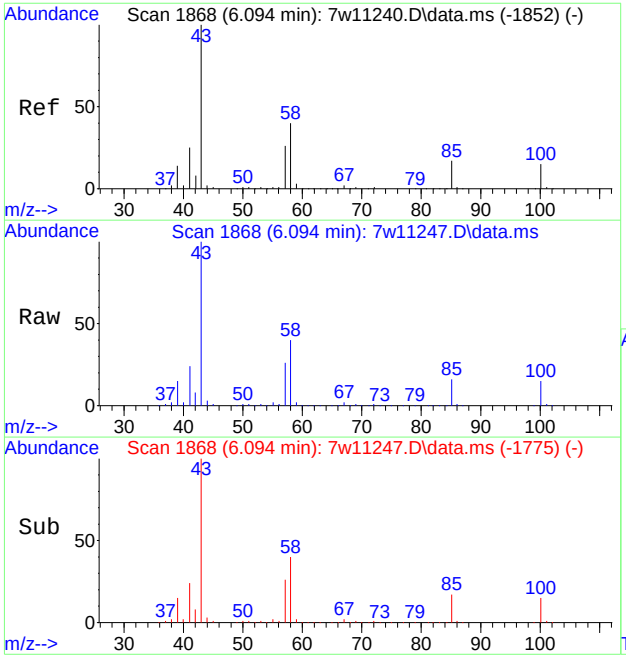




#63
METHYL METHACRYLATE
Concen: 11.06 PPBV
RT: 5.367 min Scan# 1642
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 69 Resp: 154917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 135.7 | 95.5 | 177.4 |
| 100 | 40.4 | 28.3 | 52.7 |

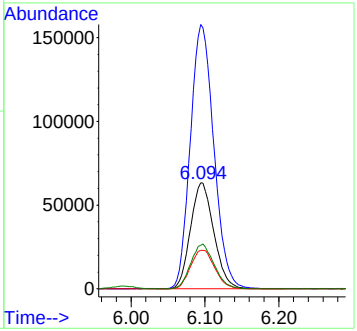


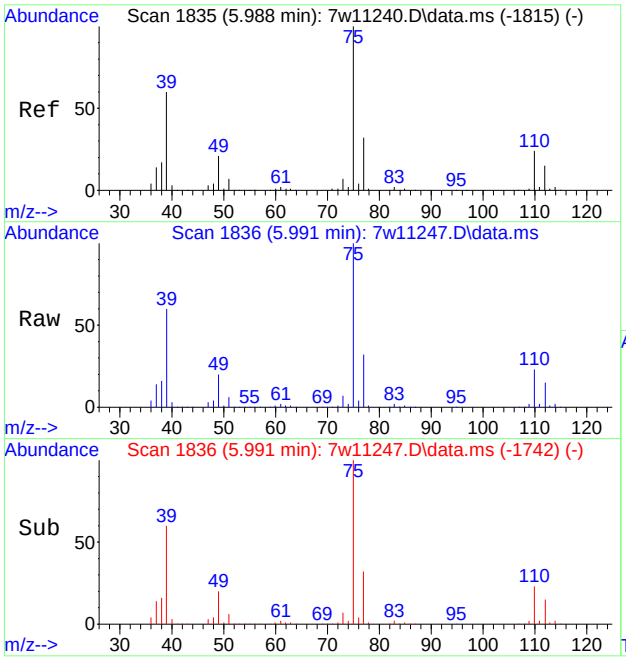



#64
METHYL ISOBUTYL KETONE
Concen: 10.68 PPBV
RT: 6.094 min Scan# 1868
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 139000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 250.4 | 175.8 | 326.4 |
| 100 | 37.8 | 26.9 | 49.9 |
| 85 | 42.3 | 29.5 | 54.9 |

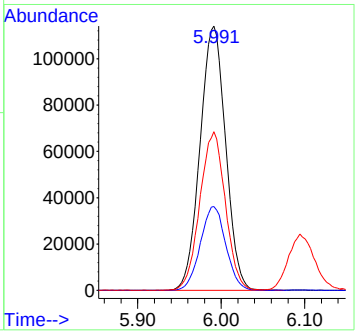


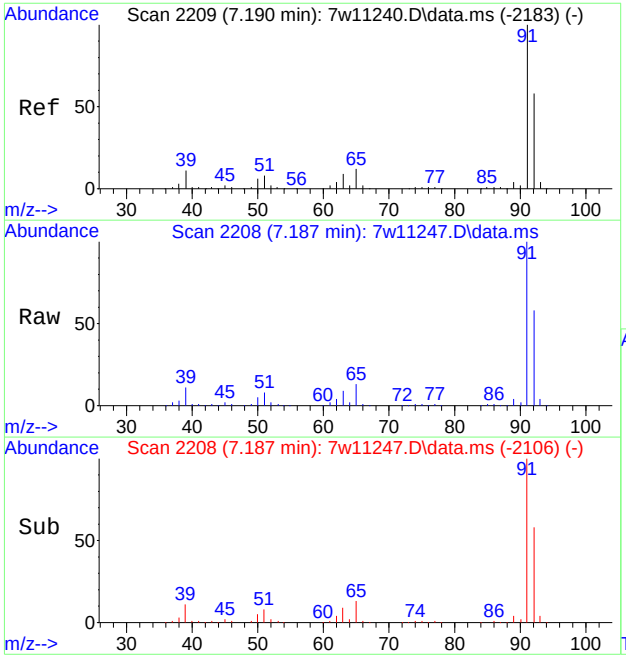




#65
CIS-1,3-DICHLOROPROPENE
Concen: 11.10 PPBV
RT: 5.991 min Scan# 1836
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 243164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 22.1 | 41.1 |
| 39 | 59.8 | 41.4 | 77.0 |

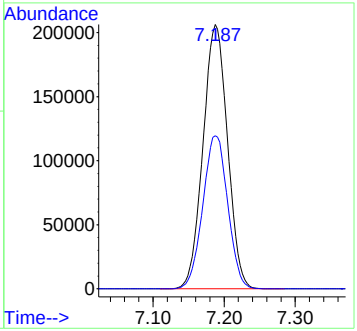


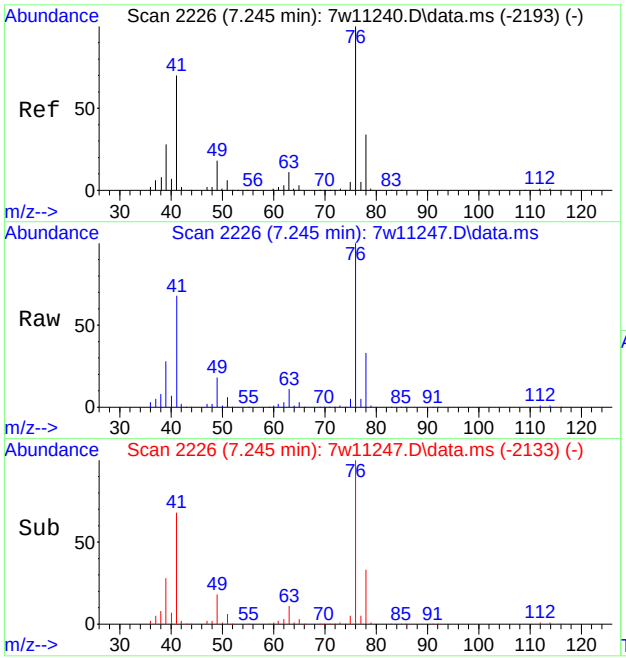



#66
TOLUENE
Concen: 10.82 PPBV
RT: 7.187 min Scan# 2208
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 493387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.0 | 29.0 | 89.0 |

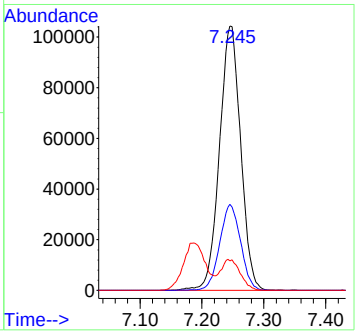


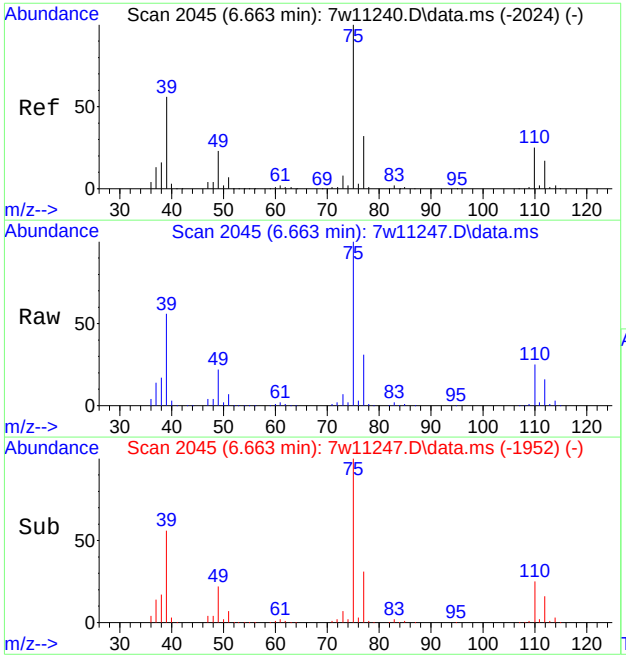




#67
1,3-DICHLOROPROPANE
Concen: 11.65 PPBV
RT: 7.245 min Scan# 2226
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 76 Resp: 247994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 22.5 | 41.9 |
| 63 | 10.7 | 7.3 | 13.7 |

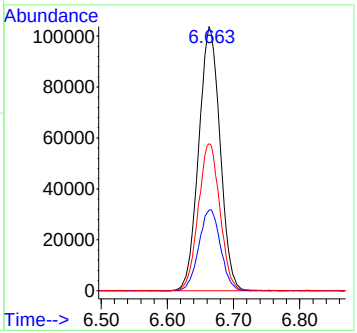


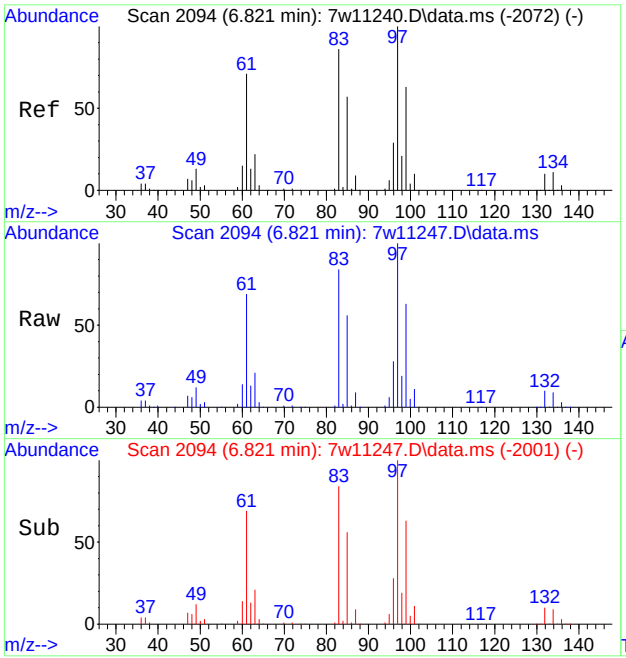



#68
TRANS-1,3-DICHLOROPROPENE
Concen: 11.25 PPBV
RT: 6.663 min Scan# 2045
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 231781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.0 | 41.0 |
| 39 | 56.4 | 39.4 | 73.2 |

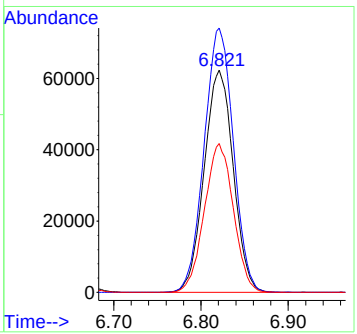


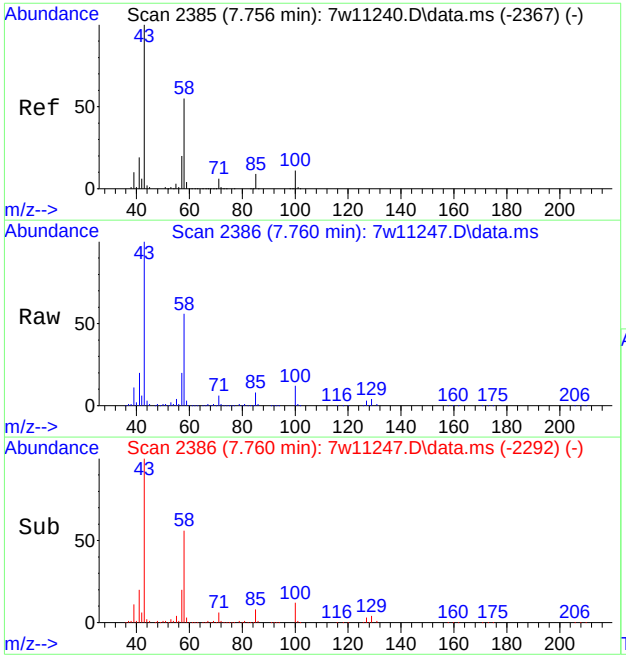




#69
1,1,2-TRICHLOROETHANE
Concen: 11.55 PPBV
RT: 6.821 min Scan# 2094
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 144738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 97 | 119.4 | 83.3 | 154.7 |
| 85 | 66.7 | 46.6 | 86.6 |

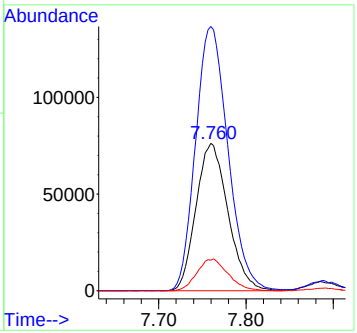


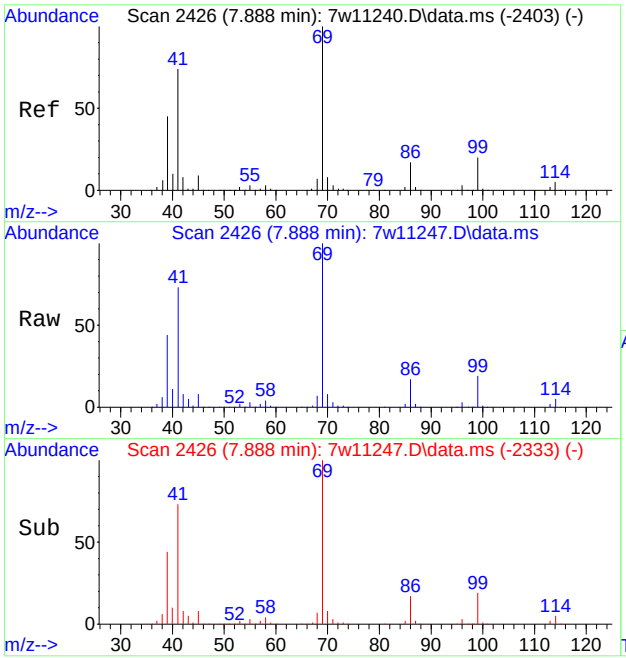



#70
2-HEXANONE
Concen: 9.56 PPBV
RT: 7.760 min Scan# 2386
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 58 Resp: 194335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 181.2 | 128.2 | 238.2 |
| 100 | 21.2 | 15.0 | 28.0 |

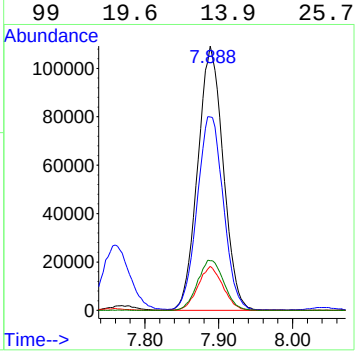


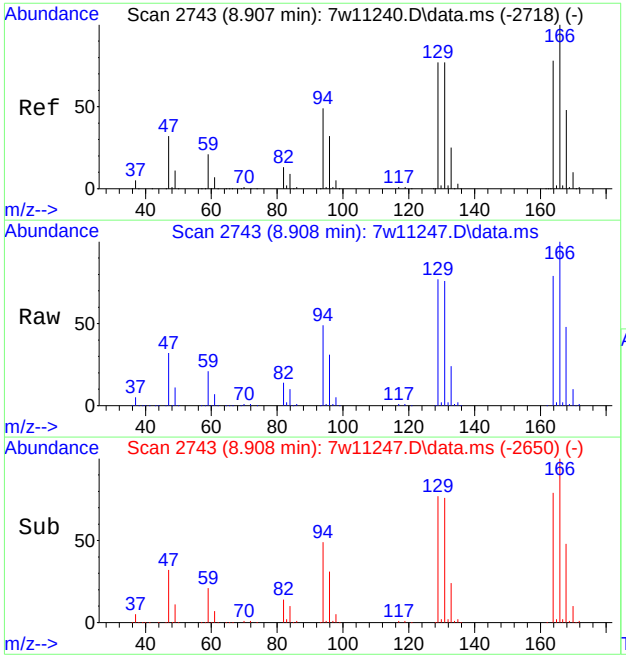




#71
ETHYL METHACRYLATE
Concen: 10.73 PPBV
RT: 7.888 min Scan# 2426
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 69 Resp: 261342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.7 | 53.1 | 98.7 |
| 86 | 16.3 | 11.4 | 21.2 |
| 99 | 19.6 | 13.9 | 25.7 |

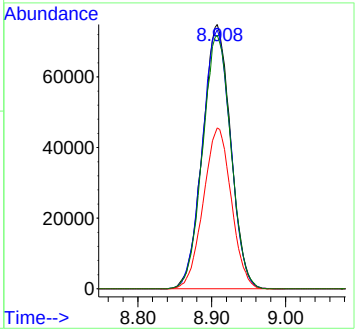


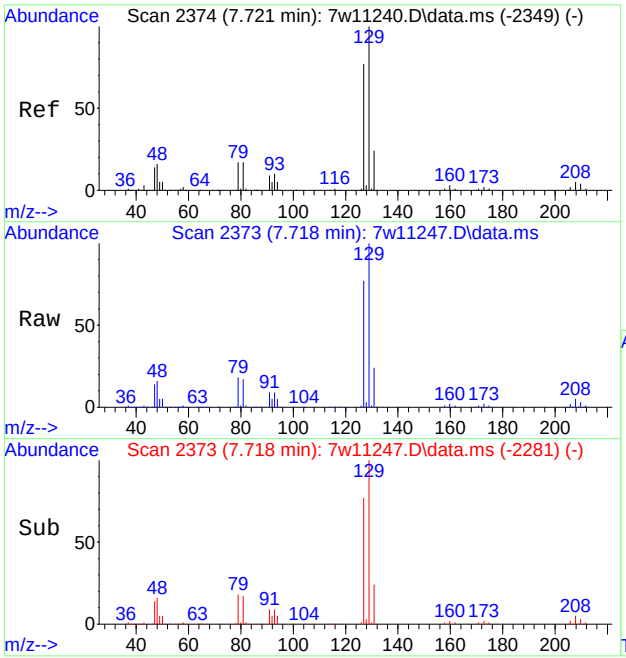



#72
TETRACHLOROETHENE
Concen: 11.45 PPBV
RT: 8.908 min Scan# 2743
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:164 Resp: 197736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 99.1 | 68.9 | 127.9 |
| 168 | 60.6 | 42.3 | 78.5 |
| 131 | 96.8 | 68.0 | 126.2 |

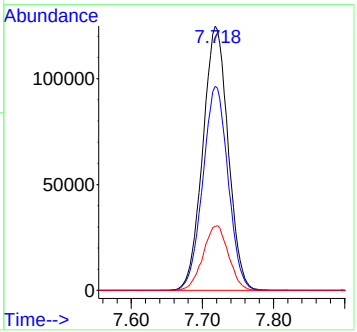


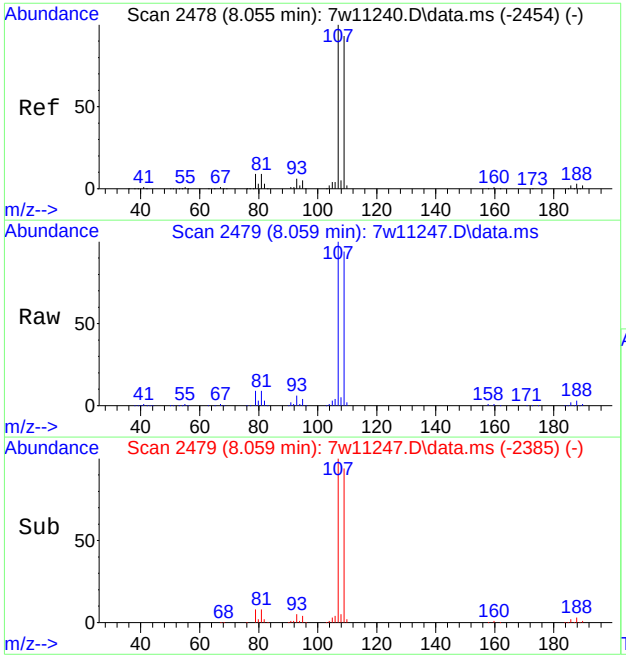




#73
DIBROMOCHLOROMETHANE
Concen: 11.73 PPBV
RT: 7.718 min Scan# 2373
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:129 Resp: 308711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 54.3 | 100.8 |
| 131 | 24.6 | 17.1 | 31.9 |

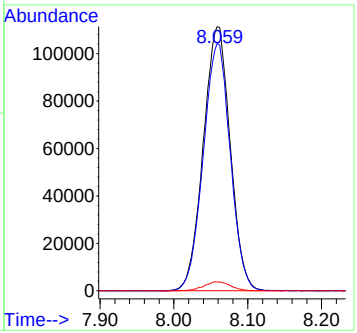


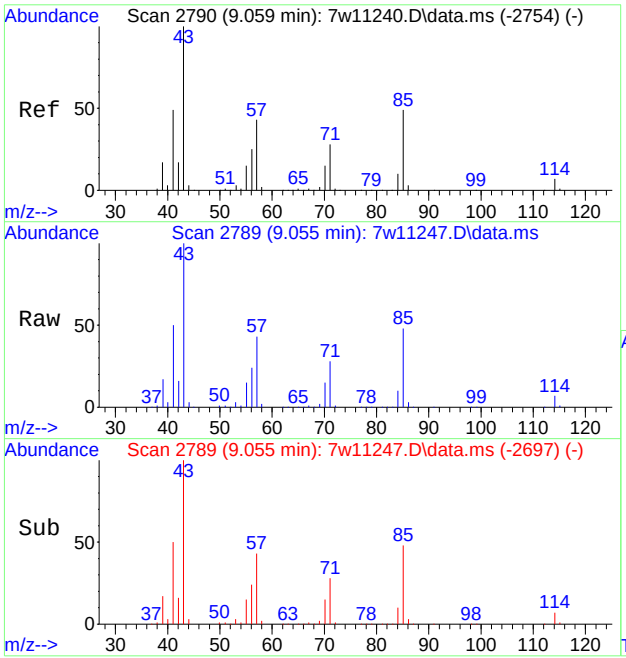



#74
1,2-DIBROMOETHANE
Concen: 12.31 PPBV
RT: 8.059 min Scan# 2479
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:107 Resp: 282440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 65.9 | 122.3 |
| 188 | 3.4 | 2.4 | 4.4 |

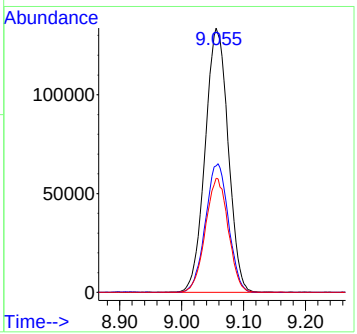


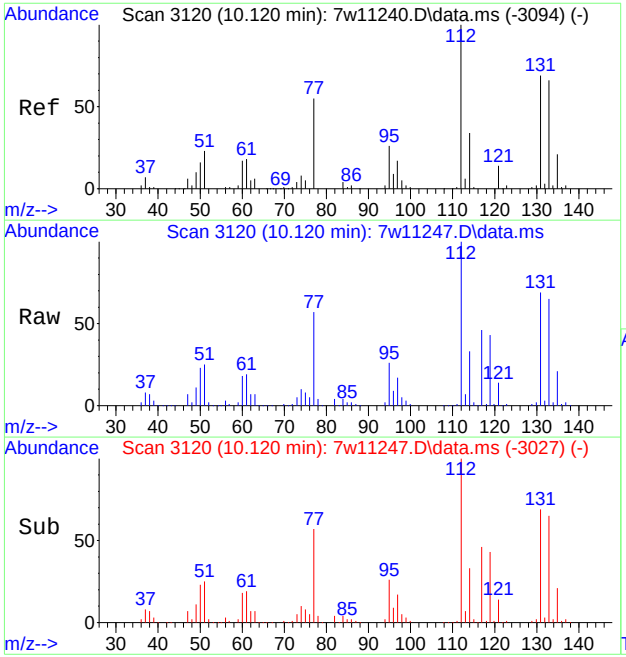




#75
OCTANE
Concen: 11.17 PPBV
RT: 9.055 min Scan# 2789
Delta R.T. -0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 344924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 48.7 | 33.9 | 63.0 |
| 57 | 43.0 | 30.0 | 55.8 |

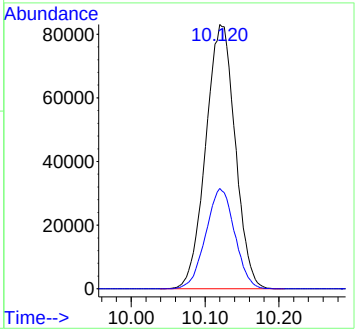


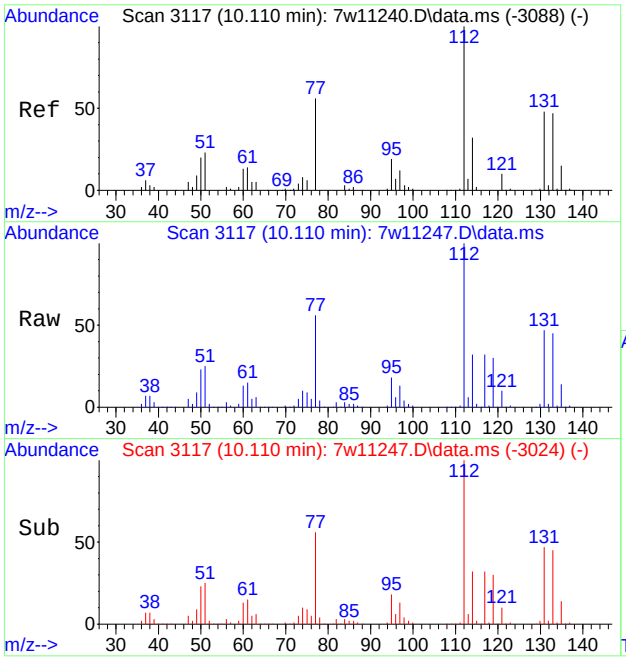



#77
1,1,1,2-TETRACHLOROETHANE
Concen: 11.92 PPBV
RT: 10.120 min Scan# 3120
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:131 Resp: 230150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 95 | 37.3 | 26.3 | 48.9 |

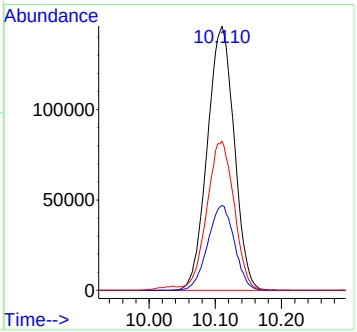


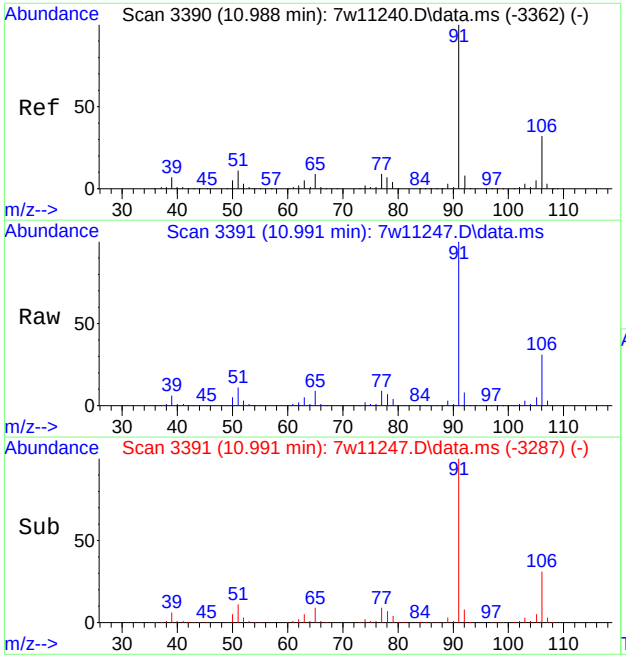




#78
CHLOROBENZENE
Concen: 11.71 PPBV
RT: 10.110 min Scan# 3117
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:112 Resp: 411539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 22.5 | 41.9 |
| 77 | 58.7 | 40.2 | 74.6 |

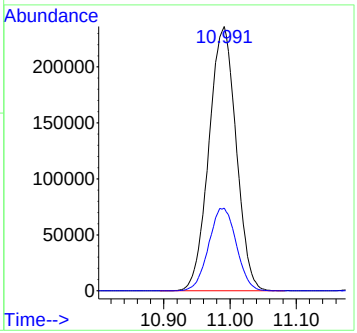


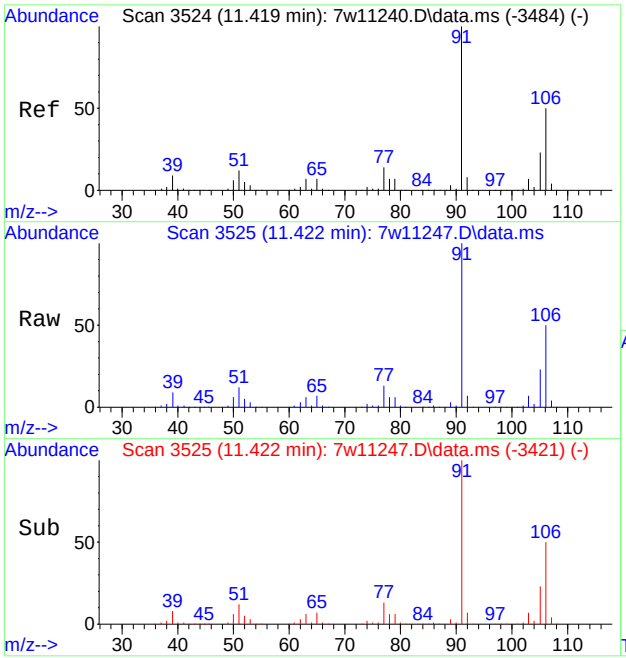



#79
ETHYLBENZENE
Concen: 11.32 PPBV
RT: 10.991 min Scan# 3391
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 673474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 1.6 | 61.6 |

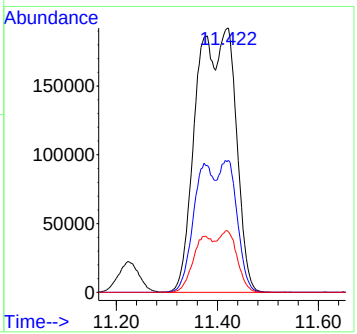


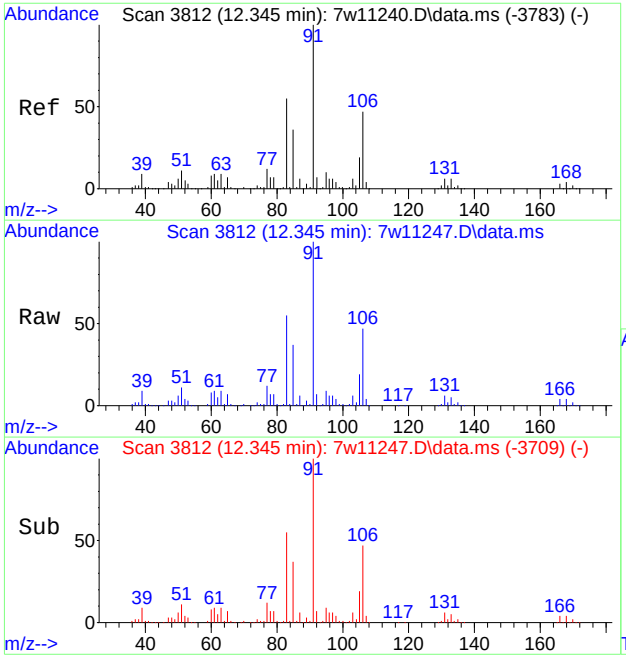




#80
M,P-XYLENE
Concen: 22.43 PPBV
RT: 11.422 min Scan# 3525
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 1045863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 24.2 | 0.0 | 55.5 |
| 105 | 11.1 | 0.0 | 41.7 |

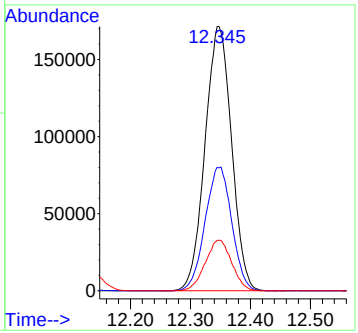


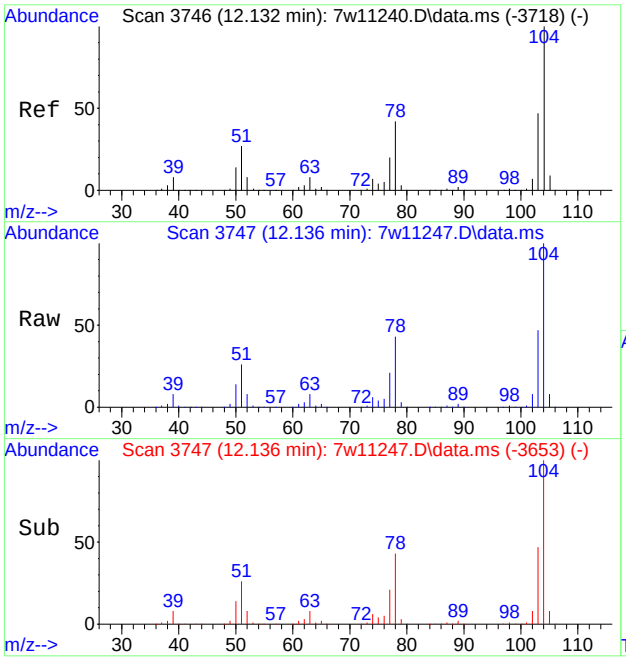



#81
O-XYLENE
Concen: 11.27 PPBV
RT: 12.345 min Scan# 3812
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 527613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 46.8 | 32.7 | 60.7 |
| 105 | 19.0 | 13.2 | 24.6 |

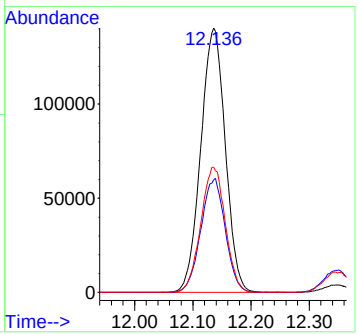


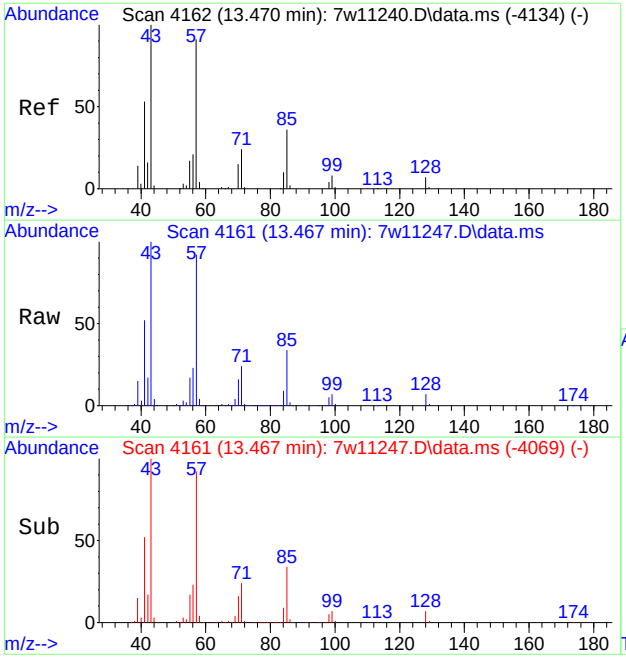




#82
STYRENE
Concen: 12.28 PPBV
RT: 12.136 min Scan# 3747
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:104 Resp: 411836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.9 | 30.0 | 55.6 |
| 103 | 47.4 | 33.0 | 61.4 |

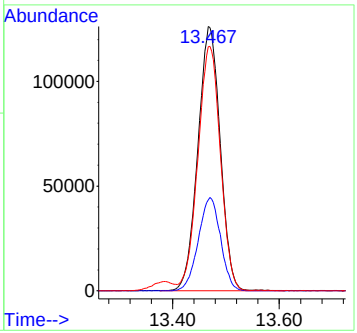


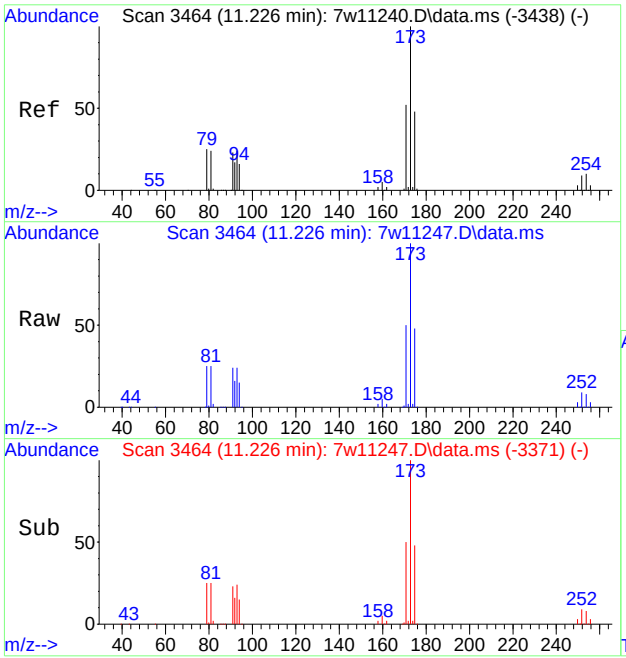



#83
NONANE
Concen: 11.39 PPBV
RT: 13.467 min Scan# 4161
Delta R.T. -0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 43 Resp: 366216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 85 | 35.1 | 25.0 | 46.4 |
| 57 | 93.4 | 65.7 | 122.1 |

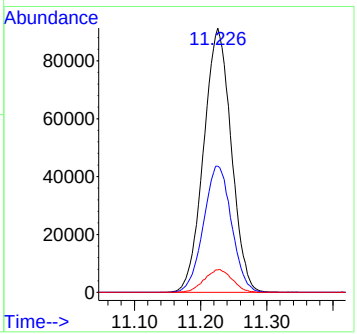


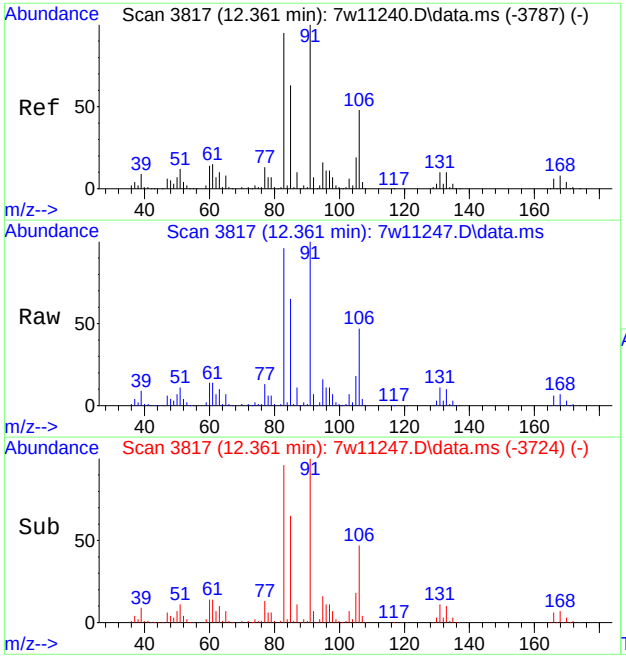




#84
BROMOFORM
Concen: 11.41 PPBV
RT: 11.226 min Scan# 3464
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:173 Resp: 264242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 34.2 | 63.6 |
| 254 | 8.8 | 6.2 | 11.4 |

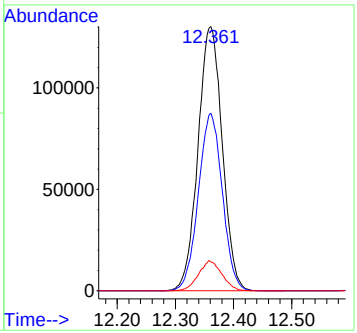


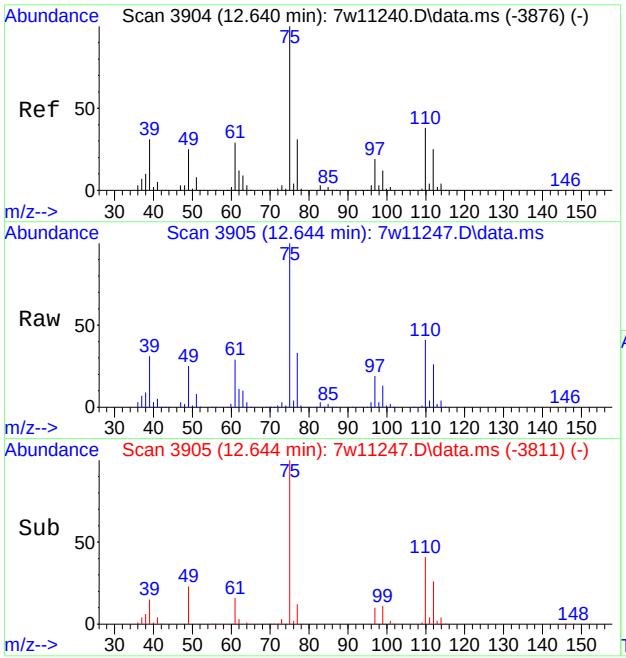



#85
1,1,2,2-TETRACHLOROETHANE
Concen: 12.14 PPBV
RT: 12.361 min Scan# 3817
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 83 Resp: 378232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 46.5 | 86.3 |
| 131 | 11.0 | 7.8 | 14.4 |

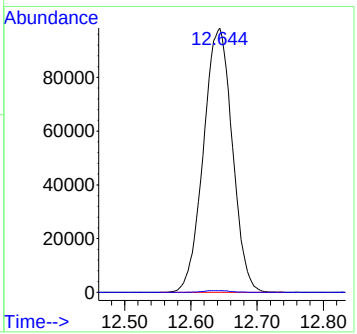


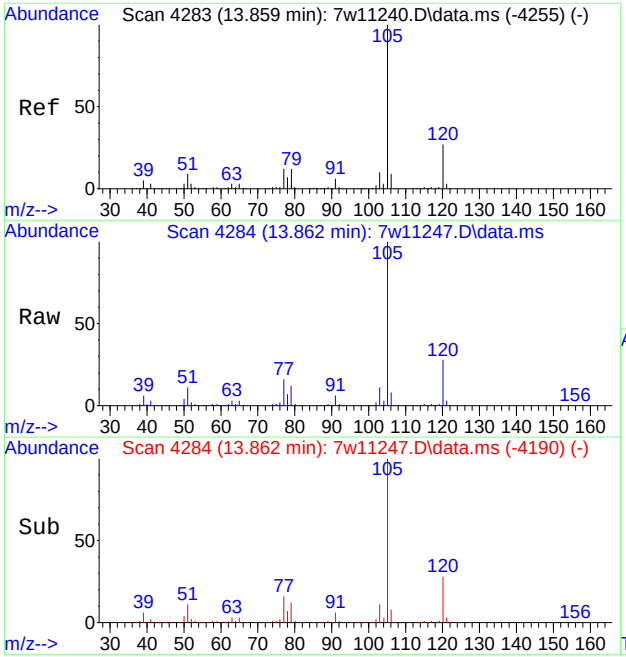




#86
1,2,3-TRICHLOROPROPANE
Concen: 11.98 PPBV
RT: 12.644 min Scan# 3905
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 75 Resp: 297750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 100 | 0.7 | 0.5 | 0.9 |

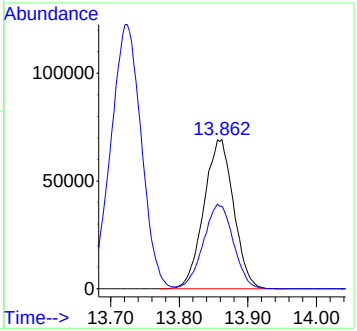


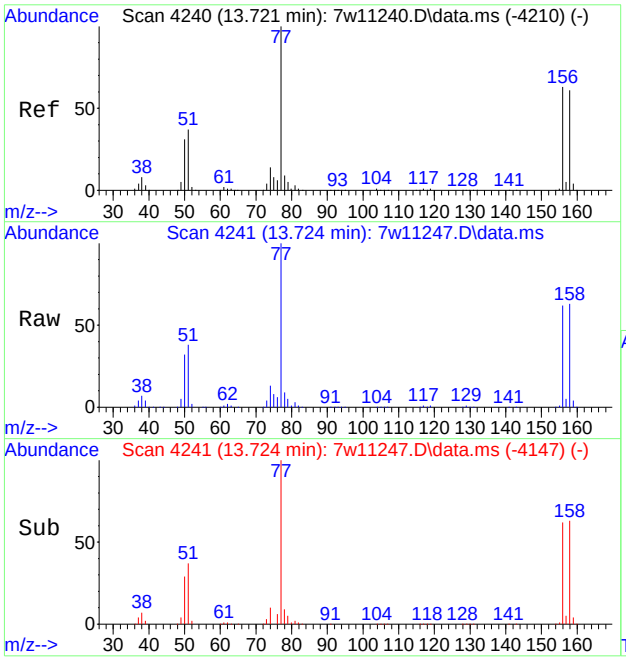



#88
ISOPROPYLBENZENE
Concen: 11.69 PPBV
RT: 13.862 min Scan# 4284
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:120 Resp: 209087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 77 | 57.1 | 39.9 | 74.1 |

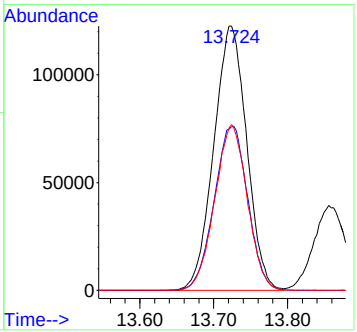


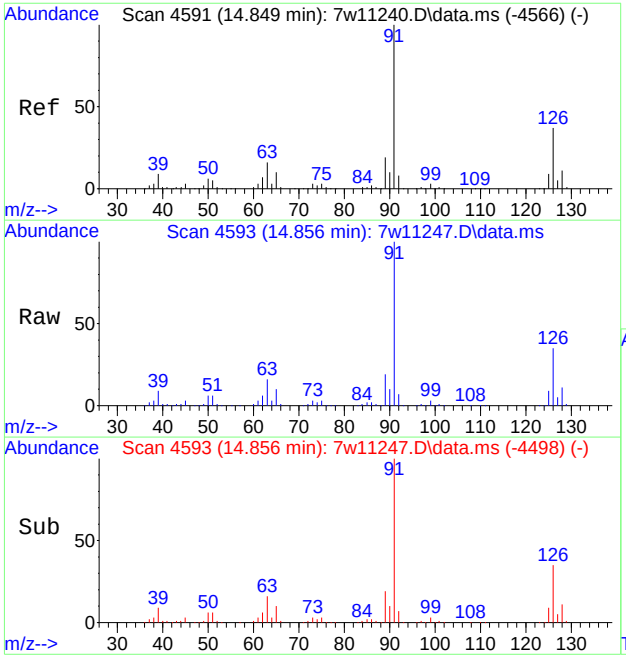




#89
BROMOBENZENE
Concen: 11.41 PPBV
RT: 13.724 min Scan# 4241
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 77 Resp: 380384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 156 | 63.3 | 44.8 | 83.2 |
| 158 | 61.9 | 43.3 | 80.5 |

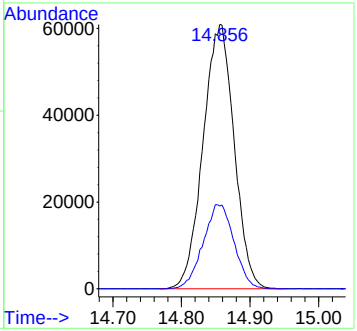


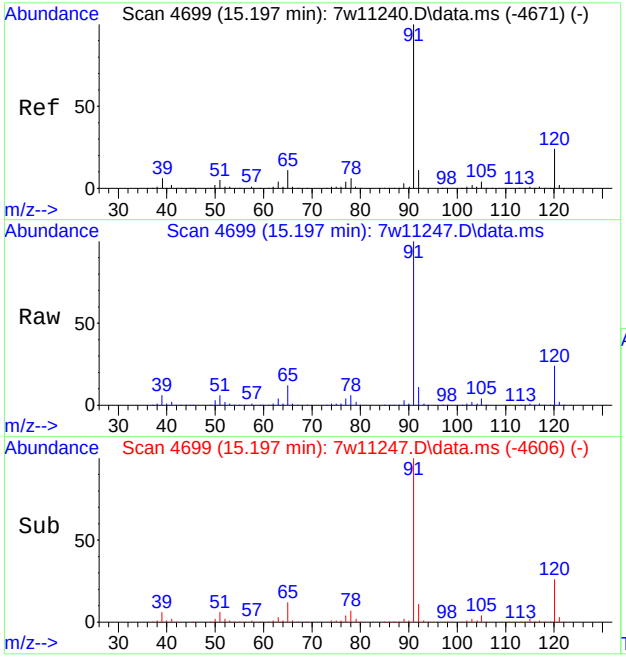



#90
2-CHLOROTOLUENE
Concen: 11.78 PPBV
RT: 14.856 min Scan# 4593
Delta R.T. 0.007 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:126 Resp: 191686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 126 | 100 | | |
| 128 | 31.8 | 22.5 | 41.7 |

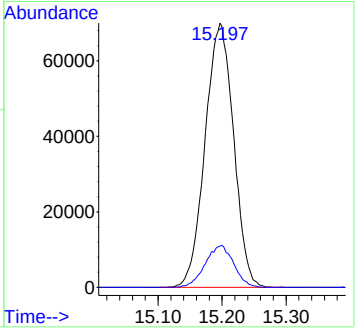


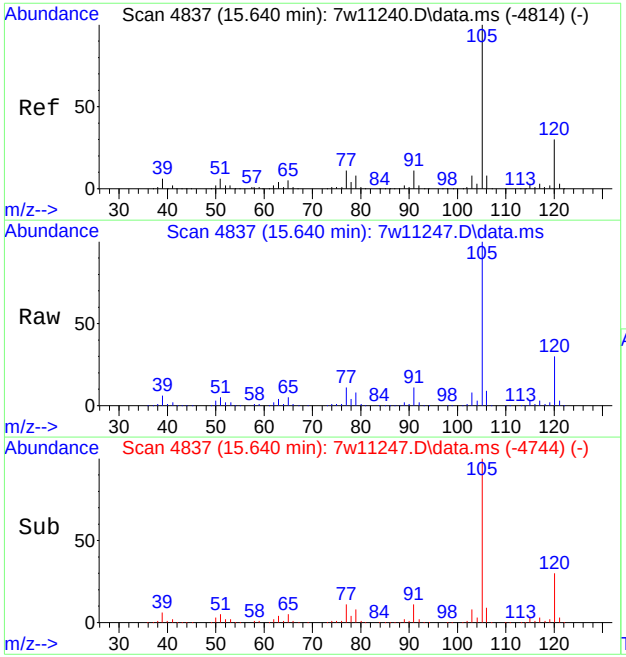




#91
N-PROPYLBENZENE
Concen: 11.95 PPBV
RT: 15.197 min Scan# 4699
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:120 Resp: 216658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 120 | 100 | | |
| 105 | 15.9 | 11.3 | 20.9 |

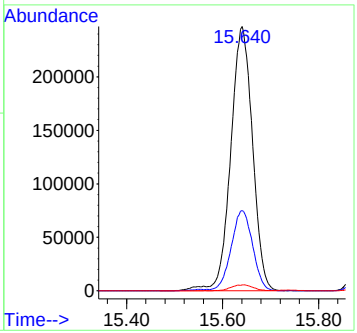


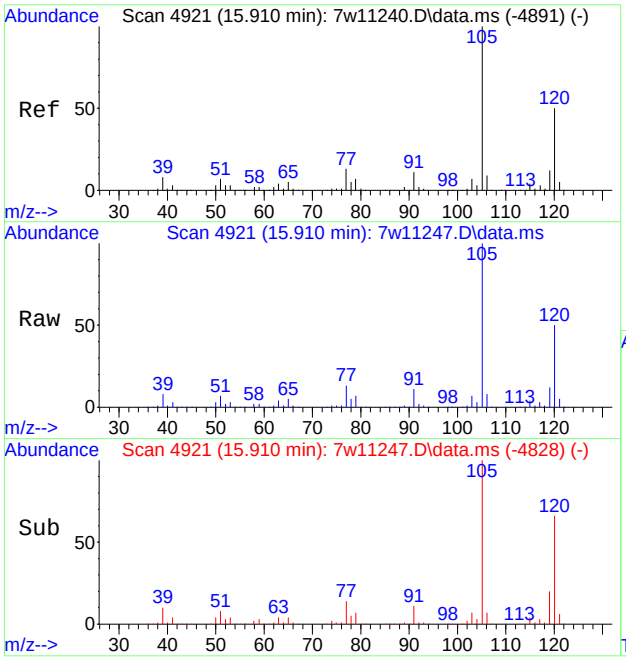



#92
4-ETHYLTOLUENE
Concen: 11.98 PPBV
RT: 15.640 min Scan# 4837
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 779399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 30.0 | 21.1 | 39.1 |
| 119 | 2.3 | 1.6 | 3.0 |

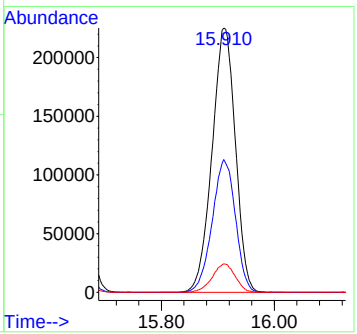


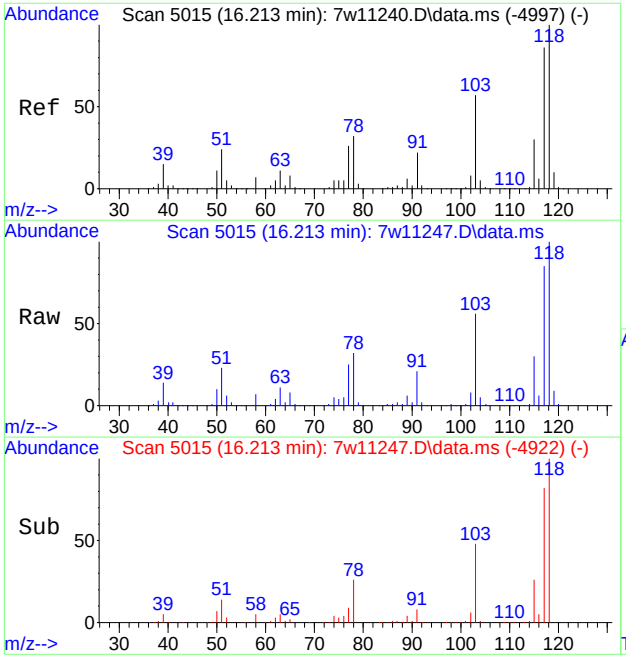




#93
1,3,5-TRIMETHYLBENZENE
Concen: 11.83 PPBV
RT: 15.910 min Scan# 4921
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 647532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.0 | 34.9 | 64.7 |
| 91 | 10.7 | 7.5 | 13.9 |

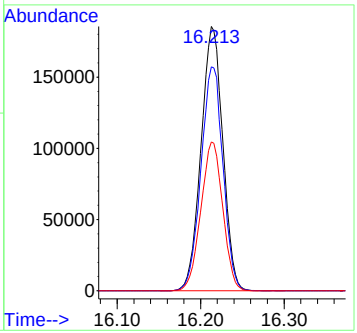


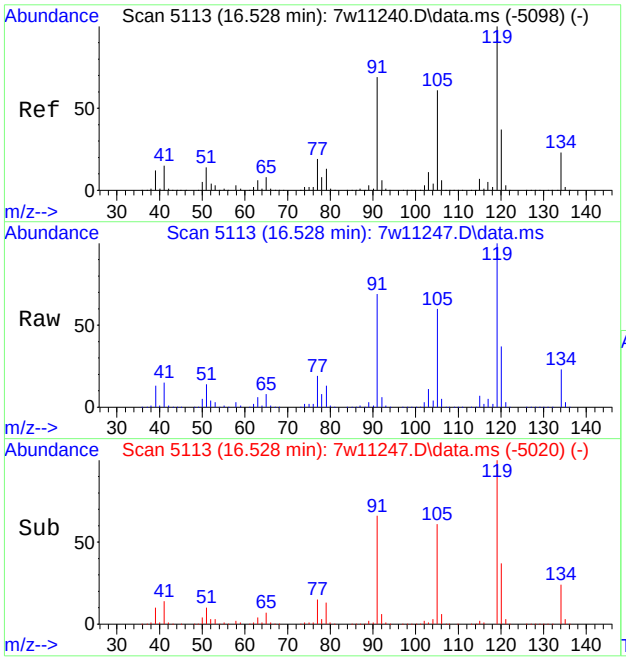



#94
ALPHA-METHYLSTYRENE
Concen: 12.04 PPBV
RT: 16.213 min Scan# 5015
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:118 Resp: 336497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 118 | 100 | | |
| 117 | 85.6 | 59.6 | 110.8 |
| 103 | 56.7 | 39.3 | 72.9 |

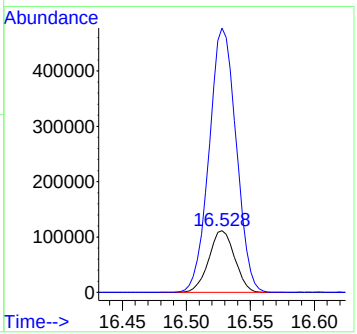


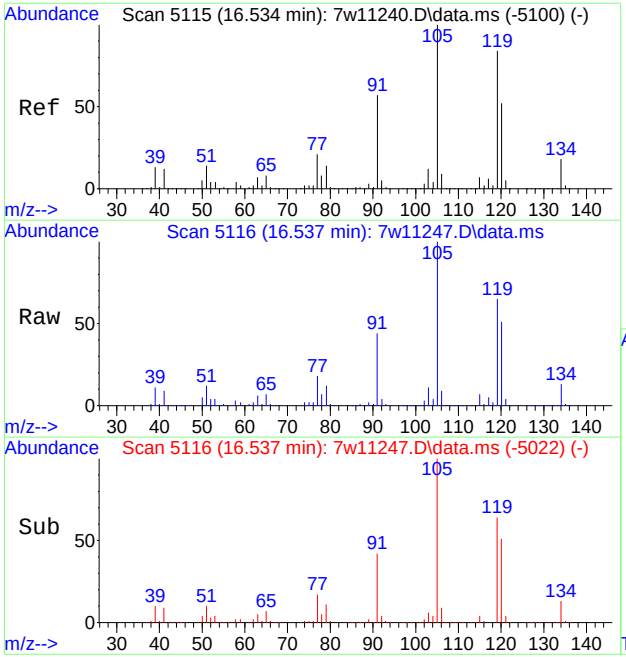




#95
TERT-BUTYLBENZENE
Concen: 11.99 PPBV
RT: 16.528 min Scan# 5113
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 157132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 119 | 447.7 | 311.9 | 579.1 |

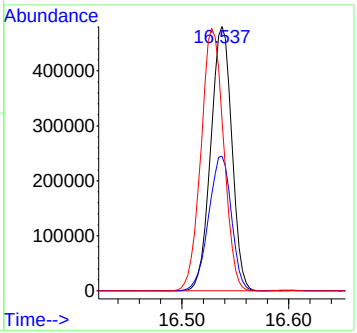


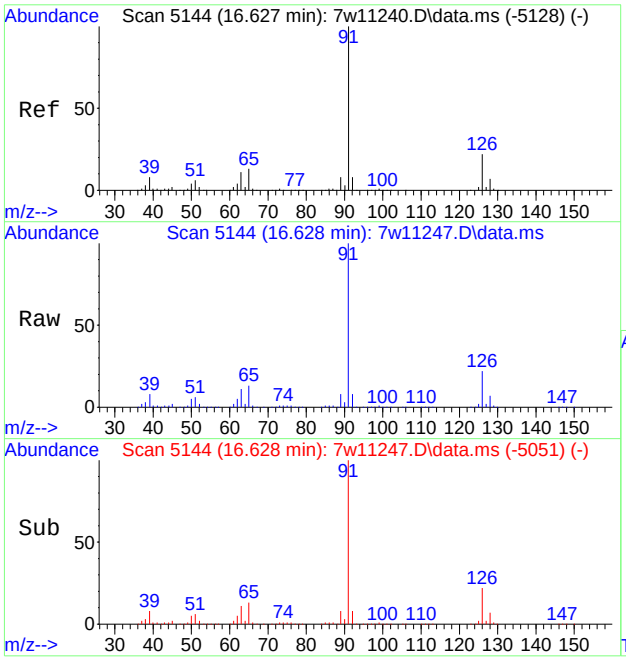



#96
1,2,4-TRIMETHYLBENZENE
Concen: 11.98 PPBV
RT: 16.537 min Scan# 5116
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 661357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 55.2 | 38.8 | 72.0 |
| 119 | 106.4 | 74.3 | 137.9 |

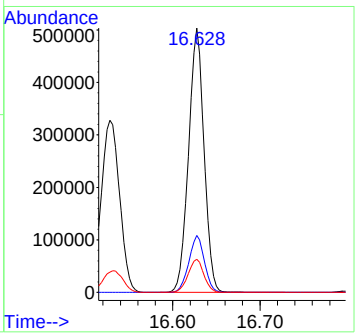


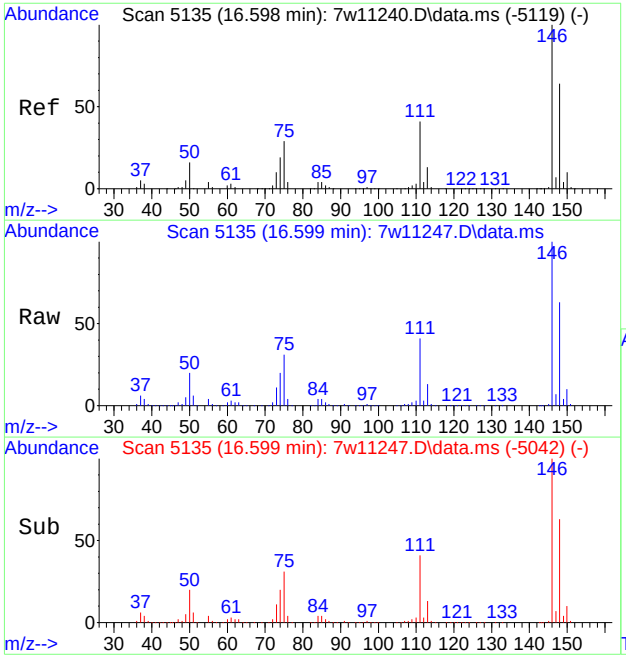




#97
BENZYL CHLORIDE
Concen: 12.69 PPBV
RT: 16.628 min Scan# 5144
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion: 91 Resp: 620171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 21.6 | 15.0 | 28.0 |
| 65 | 12.8 | 9.0 | 16.8 |

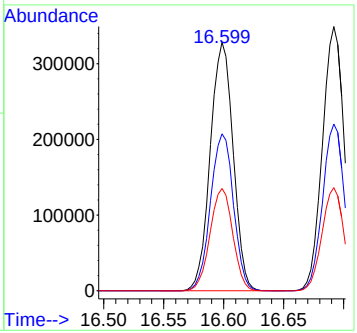


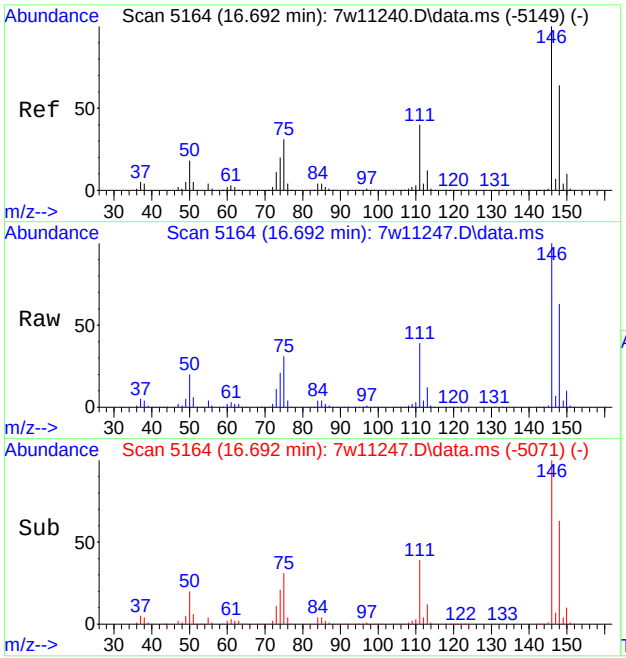



#98
M-DICHLOROBENZENE
Concen: 11.56 PPBV
RT: 16.599 min Scan# 5135
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 435352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.4 | 44.4 | 82.5 |
| 111 | 40.9 | 28.6 | 53.2 |

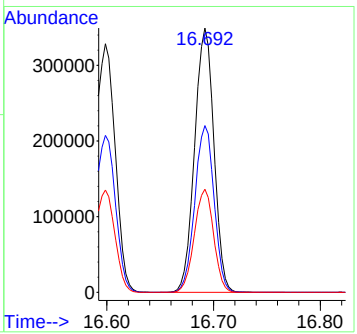


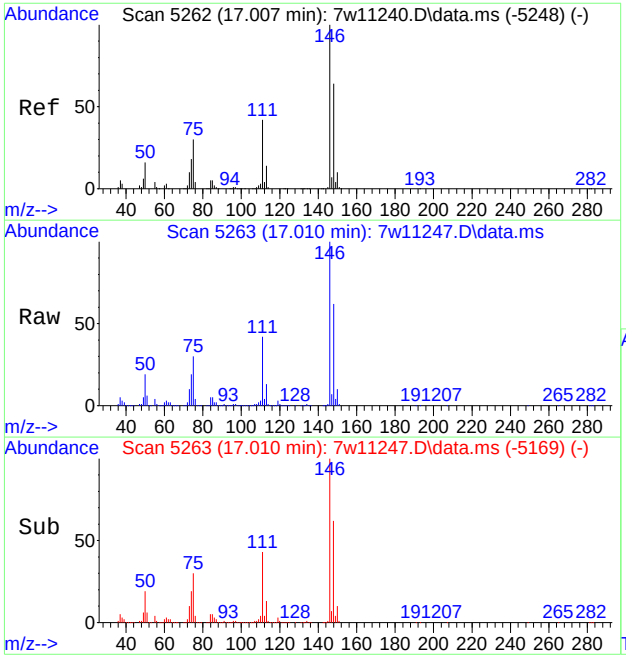




#99
P-DICHLOROBENZENE
Concen: 12.03 PPBV
RT: 16.692 min Scan# 5164
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 440736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 63.1 | 44.7 | 82.9 |
| 111 | 39.1 | 27.8 | 51.6 |

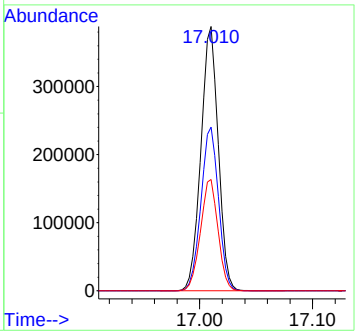


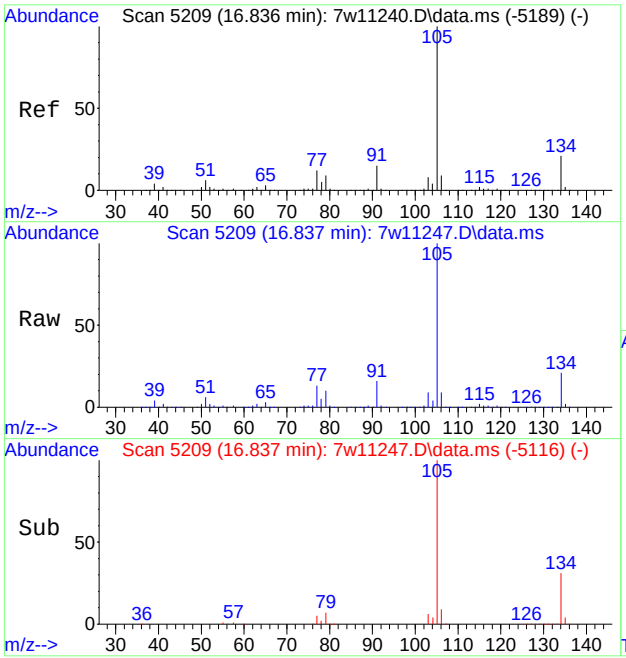



#100
O-DICHLOROBENZENE
Concen: 11.60 PPBV
RT: 17.010 min Scan# 5263
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:146 Resp: 412635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 62.8 | 44.4 | 82.5 |
| 111 | 42.5 | 29.7 | 55.1 |

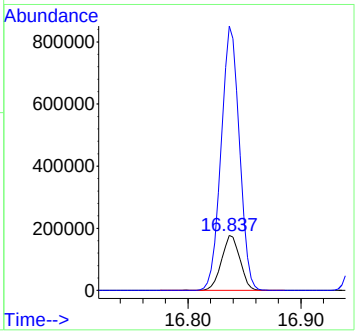


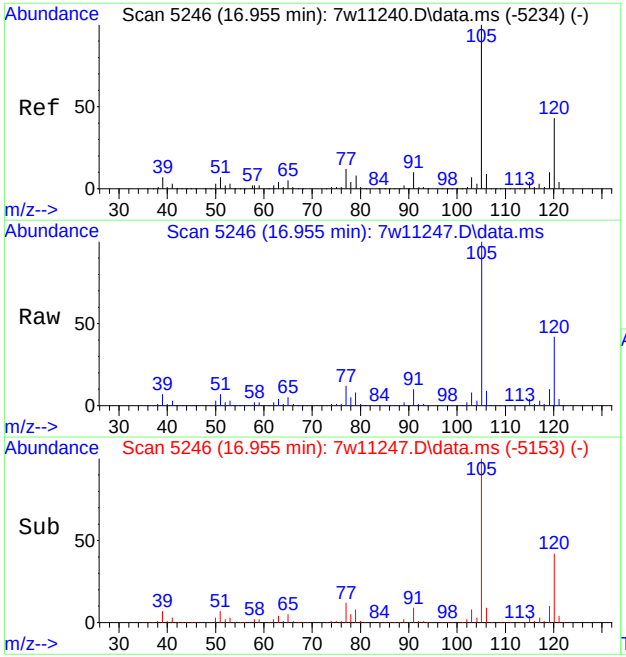




#101
SEC-BUTYLBENZENE
Concen: 12.23 PPBV
RT: 16.837 min Scan# 5209
Delta R.T. 0.001 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 199730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 105 | 477.7 | 335.1 | 622.3 |

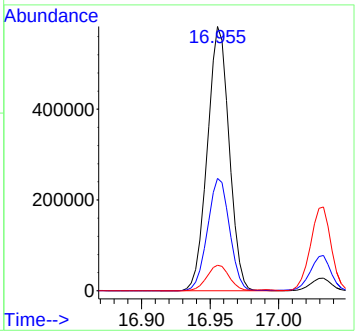


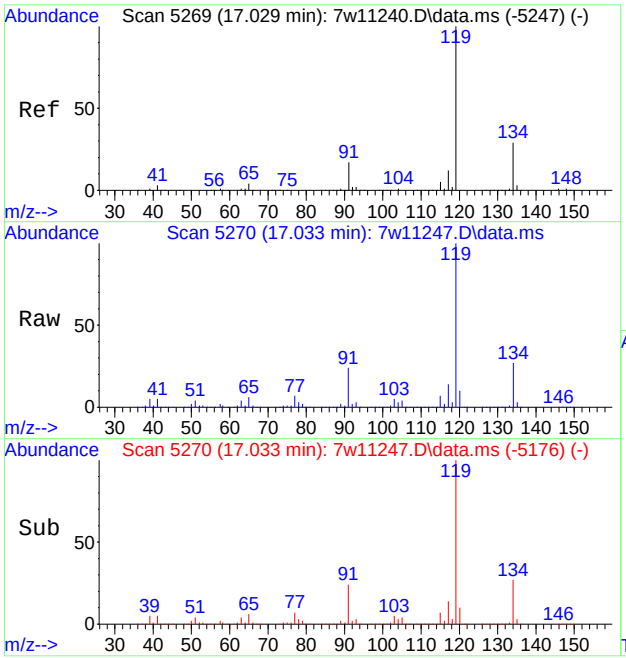



#102
1,2,3-TRIMETHYLBENZENE
Concen: 11.62 PPBV
RT: 16.955 min Scan# 5246
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:105 Resp: 642369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 30.2 | 56.2 |
| 91 | 10.3 | 7.1 | 13.3 |

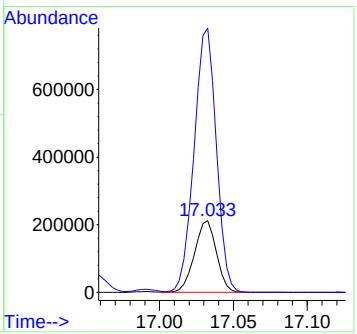


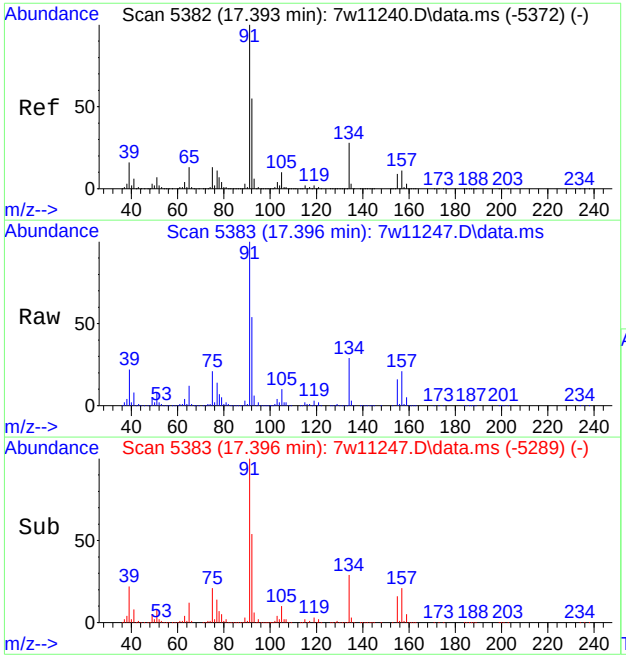




#103
P-ISOPROPYLTOLUENE
Concen: 12.04 PPBV
RT: 17.033 min Scan# 5270
Delta R.T. 0.004 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 217932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 119 | 374.8 | 262.8 | 488.0 |

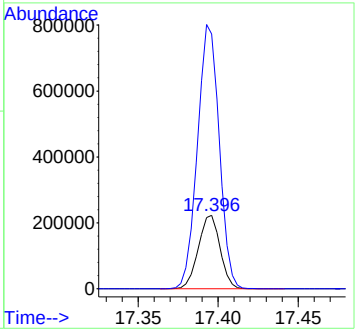


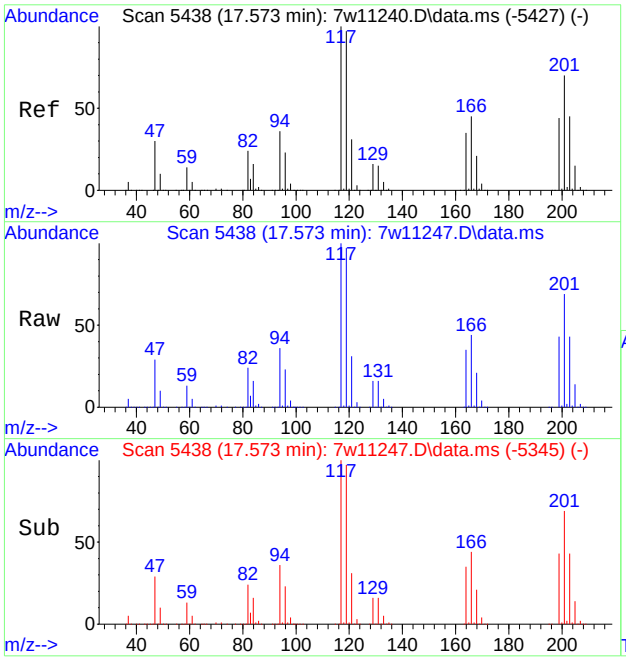



#104
N-BUTYLBENZENE
Concen: 11.92 PPBV
RT: 17.396 min Scan# 5383
Delta R.T. 0.003 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:134 Resp: 210699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 134 | 100 | | |
| 91 | 360.0 | 253.1 | 470.0 |

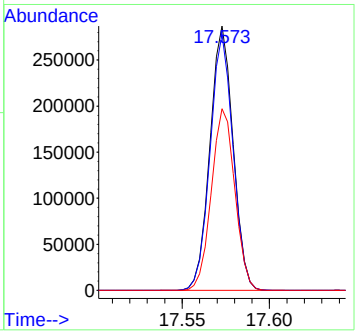


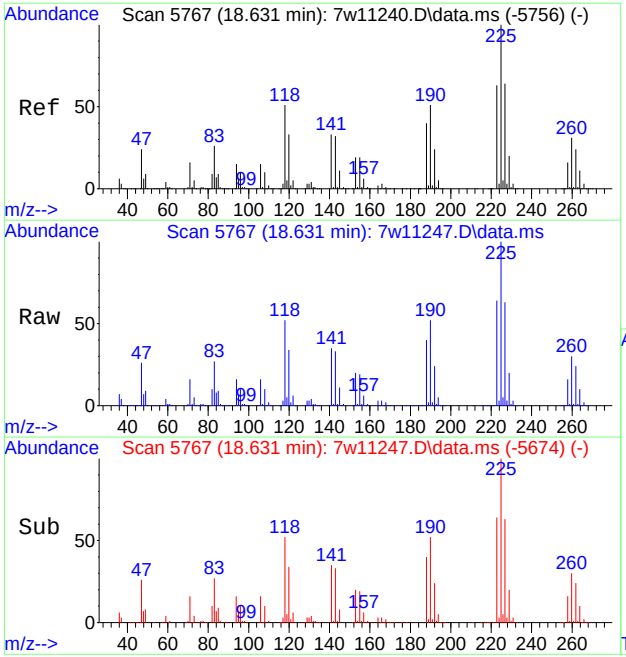




#105
HEXACHLOROETHANE
Concen: 12.57 PPBV
RT: 17.573 min Scan# 5438
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:117 Resp: 264746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 67.3 | 124.9 |
| 201 | 69.7 | 48.4 | 89.8 |

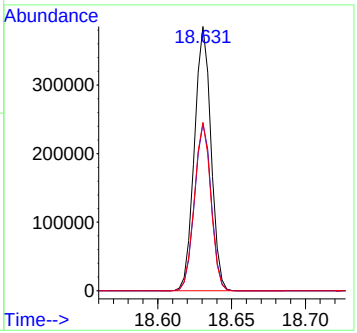


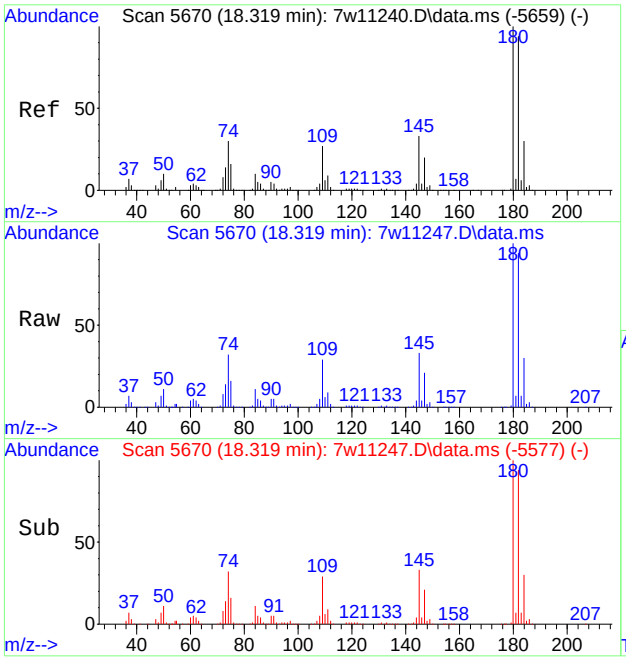



#106
HEXACHLOROBUTADIENE
Concen: 11.33 PPBV
RT: 18.631 min Scan# 5767
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:225 Resp: 299792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 227 | 63.5 | 44.6 | 82.8 |
| 223 | 63.3 | 44.3 | 82.3 |

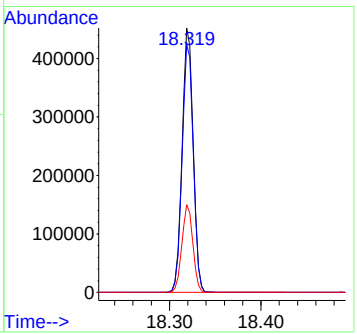


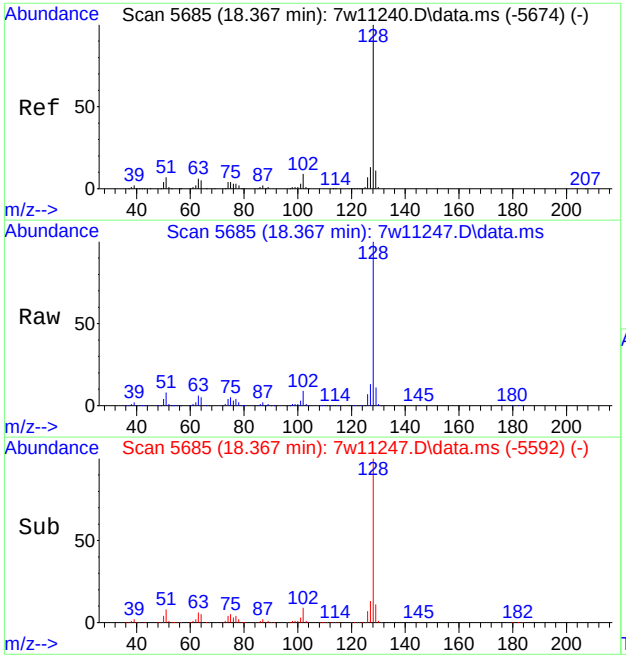




#107
1,2,4-TRICHLOROBENZENE
Concen: 12.49 PPBV
RT: 18.319 min Scan# 5670
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:180 Resp: 379717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.3 | 66.2 | 123.0 |
| 145 | 32.8 | 23.1 | 42.9 |

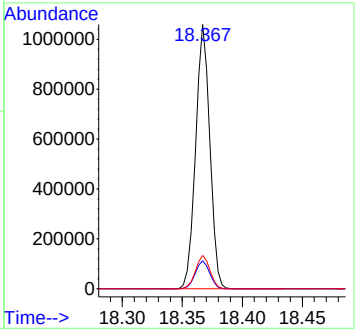


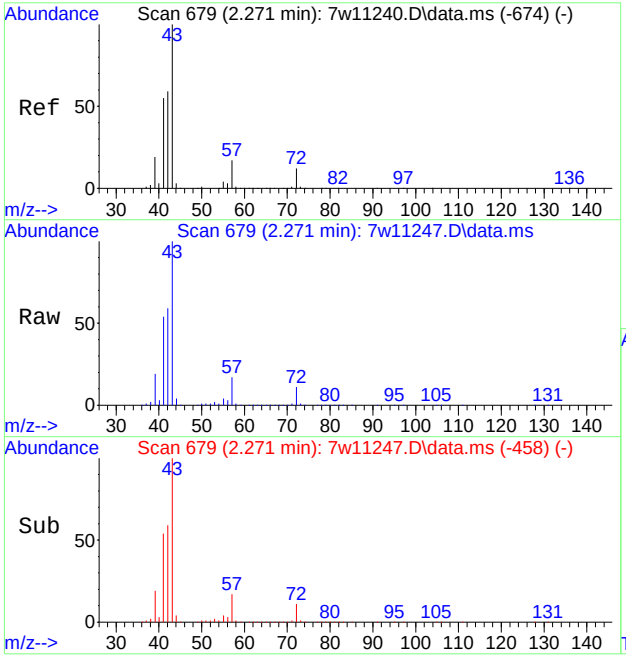



#108
NAPHTHALENE
Concen: 12.86 PPBV
RT: 18.367 min Scan# 5685
Delta R.T. -0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:128 Resp: 867478

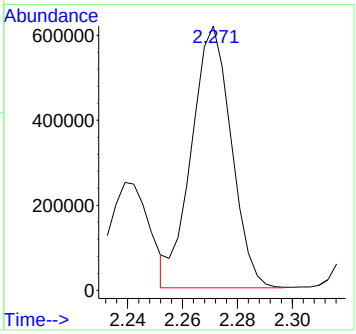
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 7.6 | 14.2 |
| 127 | 12.7 | 8.9 | 16.5 |




#110
TVHC as equiv Pentane
Concen: 11.35 PPBV
RT: 2.271 min Scan# 679
Delta R.T. 0.000 min
Lab File: 7w11247.D
Acq: 28 Dec 2024 6:36 pm

Tgt Ion:TIC Resp: 618380



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.229 | 128 | 130369 | 10.00 | PPBV | 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.496 | 114 | 632907 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 611856 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.229 | 128 | 130369 | 10.00 | PPBV | 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.386 | 95 | 453239 | 10.21 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.628 | 65 | 69639 | 11.2170 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.641 | 67 | 36651 | 11.6290 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.650 | 116 | 165534 | 10.9036 | PPBV | 91 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 380878 | 11.7174 | PPBV | 100 |
| 7) PROPYLENE | 1.650 | 41 | 97067 | 11.3458 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 284469 | 11.8160 | PPBV | 99 |
| 9) FREON 114 | 1.740 | 85 | 323176 | 12.5340 | PPBV | 97 |
| 10) CHLOROMETHANE | 1.712 | 52 | 41173 | 12.2015 | PPBV | 95 |
| 11) VINYL CHLORIDE | 1.773 | 62 | 140632 | 12.8976 | PPBV | 100 |
| 12) 1,3-BUTADIENE | 1.811 | 54 | 113227 | 12.1872 | PPBV | 98 |
| 13) N-BUTANE | 1.827 | 43 | 216189 | 12.7862 | PPBV | 98 |
| 14) BROMOMETHANE | 1.885 | 94 | 108698 | 11.1508 | PPBV | 99 |
| 15) CHLOROETHANE | 1.933 | 64 | 72504 | 12.2872 | PPBV | 98 |
| 16) DICHLOROFLUOROMETHANE | 1.959 | 67 | 285558 | 12.4226 | PPBV | 100 |
| 17) ACETONITRILE | 2.027 | 41 | 127021 | 12.1224 | PPBV | 98 |
| 18) ACROLEIN | 2.065 | 56 | 63256 | 11.4941 | PPBV | 99 |
| 19) FREON 123 | 2.078 | 83 | 287231 | 11.5791 | PPBV | 99 |
| 20) FREON 123A | 2.097 | 117 | 177843 | 11.5150 | PPBV | 88 |
| 21) TRICHLOROFLUOROMETHANE | 2.162 | 101 | 335442 | 11.7181 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.178 | 45 | 290317 | 12.0206 | PPBV | 99 |
| 23) ACETONE | 2.104 | 58 | 72384 | 9.5562 | PPBV | 99 |
| 24) PENTANE | 2.274 | 42 | 156759 | 13.5126 | PPBV | 96 |
| 25) IODOMETHANE | 2.335 | 142 | 304102 | 11.5917 | PPBV | 98 |
| 26) 1,1-DICHLOROETHYLENE | 2.364 | 96 | 120637 | 10.6721 | PPBV | 93 |
| 27) CARBON DISULFIDE | 2.499 | 76 | 348172 | 12.3683 | PPBV | 99 |
| 28) ETHANOL | 1.962 | 45 | 81079 | 12.2634 | PPBV | 99 |
| 29) BROMOETHENE | 2.033 | 106 | 113474 | 10.9265 | PPBV | 99 |
| 30) ACRYLONITRILE | 2.245 | 52 | 105160 | 11.2171 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 2.400 | 84 | 108000 | 10.4665 | PPBV | 90 |
| 32) 3-CHLOROPROPENE | 2.441 | 76 | 60886 | 11.3422 | PPBV | 88 |
| 33) FREON 113 | 2.496 | 151 | 187225 | 10.9390 | PPBV | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.724 | 96 | 126696 | 10.7665 | PPBV | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.377 | 59 | 307185 | 11.0594 | PPBV | 97 |
| 36) METHYL TERTIARY BUTYL ... | 2.830 | 73 | 367629 | 10.9248 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.512 | 72 | 60871 | 11.6732 | PPBV | 90 |
| 38) HEXANE | 3.281 | 57 | 248751 | 11.5854 | PPBV | 97 |
| 39) VINYL ACETATE | 2.866 | 86 | 33097 | 10.3916 | PPBV # | 65 |
| 40) 1,1-DICHLOROETHANE | 2.798 | 63 | 249826 | 11.8653 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.962 | 72 | 65509 | 11.3102 | PPBV | 82 |
| 42) CIS-1,2-DICHLOROETHENE | 3.155 | 96 | 132823 | 10.9584 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 3.284 | 59 | 70833 | 11.9124 | PPBV | 89 |
| 44) ETHYL ACETATE | 3.290 | 61 | 49072 | 11.9287 | PPBV | 76 |
| 45) METHYL ACRYLATE | 3.277 | 55 | 295533 | 12.2515 | PPBV # | 100 |
| 46) CHLOROFORM | 3.303 | 83 | 279112 | 11.7132 | PPBV | 99 |
| 47) 2,4-DIMETHYLPENTANE | 3.789 | 57 | 285056 | 12.0079 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.869 | 97 | 289816 | 11.3417 | PPBV | 98 |
| 49) CARBON TETRACHLORIDE | 4.287 | 117 | 296154 | 11.6859 | PPBV | 100 |
| 50) 1,2-DICHLOROETHANE | 3.705 | 62 | 226271 | 12.6830 | PPBV | 99 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.174 | 78 | 390154 | 11.2055 | PPBV | 96 |
| 53) | CYCLOHEXANE | 4.383 | 84 | 170682 | 11.4144 | PPBV | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.634 | 71 | 91132 | 11.6079 | PPBV | 88 |
| 55) | TRICHLOROETHENE | 5.065 | 95 | 184336 | 11.4578 | PPBV | 98 |
| 56) | 1,2-DICHLOROPROPANE | 4.834 | 63 | 164136 | 11.9587 | PPBV | 99 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 162061 | 10.7205 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.949 | 55 | 362953 | 12.4455 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.010 | 83 | 305891 | 11.9343 | PPBV | 100 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.158 | 57 | 771389 | 12.6749 | PPBV | 99 |
| 61) | 1,4-DIOXANE | 5.081 | 88 | 94933 | 10.5827 | PPBV | 95 |
| 62) | HEPTANE | 5.473 | 43 | 286174 | 13.3800 | PPBV | 94 |
| 63) | METHYL METHACRYLATE | 5.371 | 69 | 151834 | 11.0457 | PPBV | 89 |
| 64) | METHYL ISOBUTYL KETONE | 6.097 | 58 | 147955 | 11.5872 | PPBV | 94 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.994 | 75 | 251058 | 11.6801 | PPBV | 96 |
| 66) | TOLUENE | 7.190 | 91 | 493080 | 11.0257 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.245 | 76 | 250523 | 11.9947 | PPBV | 99 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.666 | 75 | 221480 | 10.9608 | PPBV | 97 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.824 | 83 | 144034 | 11.7168 | PPBV | 99 |
| 70) | 2-HEXANONE | 7.760 | 58 | 202997 | 10.1810 | PPBV | 95 |
| 71) | ETHYL METHACRYLATE | 7.891 | 69 | 256443 | 10.7307 | PPBV | 93 |
| 72) | TETRACHLOROETHENE | 8.907 | 164 | 201157 | 11.8715 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 296989 | 11.4991 | PPBV | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.062 | 107 | 274946 | 12.2177 | PPBV | 100 |
| 75) | OCTANE | 9.058 | 43 | 397023 | 13.1015 | PPBV | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.123 | 131 | 218495 | 11.1731 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.110 | 112 | 407515 | 11.4457 | PPBV | 98 |
| 79) | ETHYLBENZENE | 10.991 | 91 | 669213 | 11.1046 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.419 | 91 | 1063362 | 22.5092 | PPBV | 98 |
| 81) | O-XYLENE | 12.348 | 91 | 544022 | 11.4661 | PPBV | 99 |
| 82) | STYRENE | 12.136 | 104 | 408729 | 12.0283 | PPBV | 99 |
| 83) | NONANE | 13.470 | 43 | 428331 | 13.1431 | PPBV | 94 |
| 84) | BROMOFORM | 11.226 | 173 | 266675 | 11.3690 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 384823 | 12.1873 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.647 | 75 | 306998 | 12.1868 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.862 | 120 | 206348 | 11.3841 | PPBV | 97 |
| 89) | BROMOBENZENE | 13.727 | 77 | 377668 | 11.1771 | PPBV | 97 |
| 90) | 2-CHLOROTOLUENE | 14.849 | 126 | 181370 | 10.9997 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.197 | 120 | 214427 | 11.6716 | PPBV | 99 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 789880 | 11.9870 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 664098 | 11.9755 | PPBV | 99 |
| 94) | ALPHA-METHYLSTYRENE | 16.213 | 118 | 332522 | 11.7411 | PPBV | 99 |
| 95) | TERT-BUTYLBENZENE | 16.528 | 134 | 157701 | 11.8819 | PPBV | 95 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 696999 | 12.4606 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 495496 | 10.0037 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.598 | 146 | 444639 | 11.6540 | PPBV | 99 |
| 99) | P-DICHLOROBENZENE | 16.692 | 146 | 451646 | 12.1627 | PPBV | 100 |
| 100) | O-DICHLOROBENZENE | 17.007 | 146 | 424771 | 11.7905 | PPBV | 100 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 201457 | 12.1802 | PPBV | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 672793 | 12.0077 | PPBV | 98 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 219397 | 11.9661 | PPBV | 97 |
| 104) | N-BUTYLBENZENE | 17.393 | 134 | 214413 | 11.9692 | PPBV | 92 |
| 105) | HEXACHLOROETHANE | 17.573 | 117 | 230102 | 10.7821 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.624 | 225 | 347987 | 12.9849 | PPBV | 100 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.315 | 180 | 405043 | 13.1531 | PPBV | 100 |
| 108) | NAPHTHALENE | 18.364 | 128 | 867297 | 12.6895 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.274 | TIC | 736029 | 13.2964 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

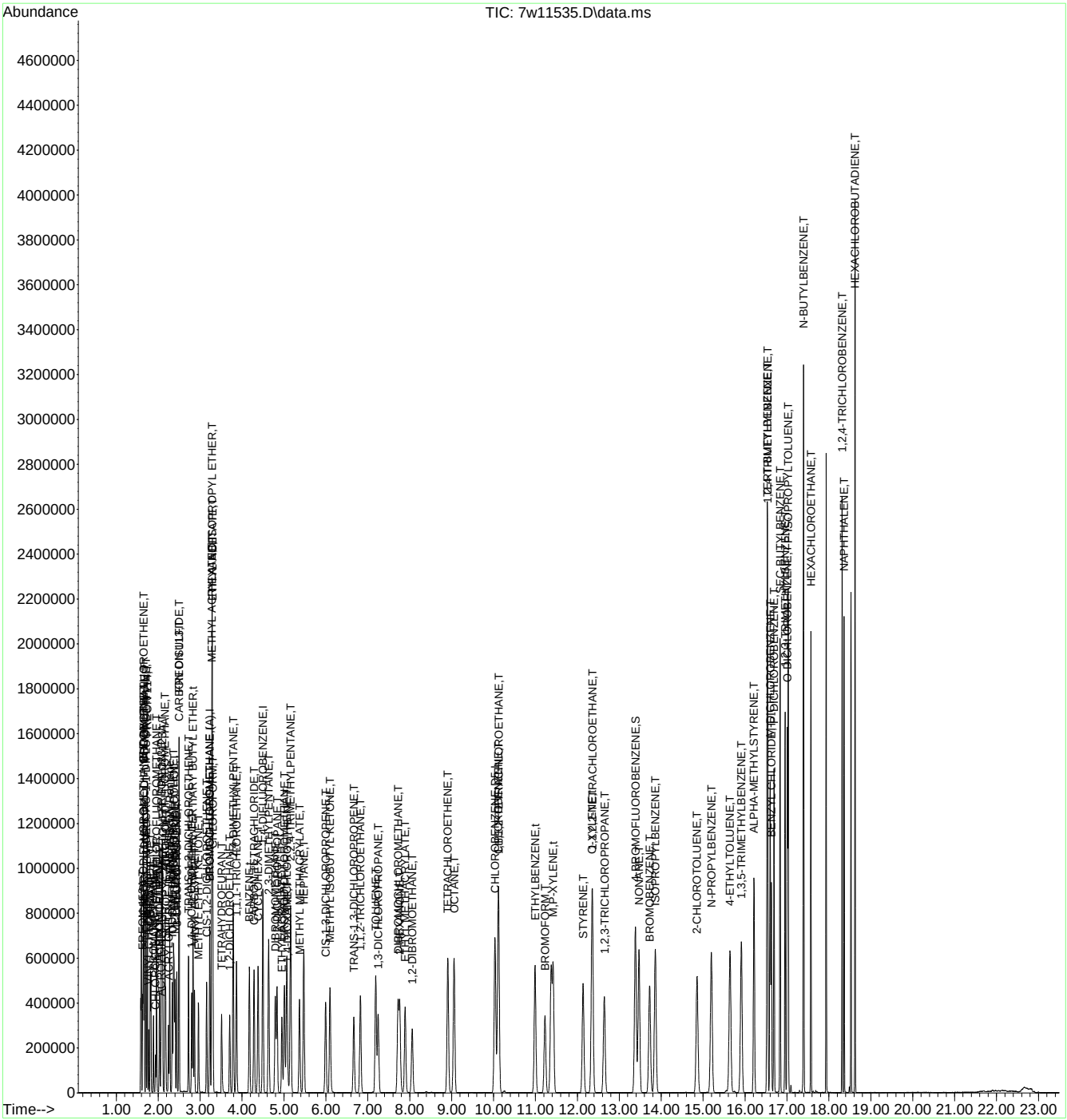
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W414\
Data File : 7w11535.D
Acq On : 6 Jan 2025 8:54 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w414,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 07 17:29:30 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) BROMOCHLOROMETHANE | 3.226 | 128 | 130206 | 10.00 | PPBV | # 0.00 |
| 52) 1,4-DIFLUOROBENZENE | 4.493 | 114 | 632316 | 10.00 | PPBV | 0.00 |
| 76) CHLOROBENZENE-D5 | 10.033 | 117 | 600992 | 10.00 | PPBV | 0.00 |
| 109) BROMOCHLOROMETHANE (A) | 3.226 | 128 | 130206 | 10.00 | PPBV | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 87) 4-BROMOFLUOROBENZENE | 13.383 | 95 | 447495 | 10.26 | PPBV | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) FREON 152A | 1.628 | 65 | 70308 | 11.3390 | PPBV | 92 |
| 4) CHLORODIFLUOROMETHANE | 1.641 | 67 | 36554 | 11.6128 | PPBV | 98 |
| 5) CHLOROTRIFLUOROETHENE | 1.651 | 116 | 162871 | 10.7416 | PPBV | 88 |
| 6) DICHLORODIFLUOROMETHANE | 1.667 | 85 | 382305 | 11.7760 | PPBV | 99 |
| 7) PROPYLENE | 1.651 | 41 | 97894 | 11.4568 | PPBV | 99 |
| 8) 1-CHLORO-1,1-DIFLUOROE... | 1.705 | 65 | 286318 | 11.9077 | PPBV | 99 |
| 9) FREON 114 | 1.741 | 85 | 325255 | 12.6305 | PPBV | 96 |
| 10) CHLOROMETHANE | 1.712 | 52 | 41647 | 12.3574 | PPBV | 98 |
| 11) VINYL CHLORIDE | 1.773 | 62 | 142539 | 13.0889 | PPBV | 99 |
| 12) 1,3-BUTADIENE | 1.808 | 54 | 115521 | 12.4497 | PPBV | 99 |
| 13) N-BUTANE | 1.824 | 43 | 220772 | 13.0736 | PPBV | 99 |
| 14) BROMOMETHANE | 1.885 | 94 | 110328 | 11.3321 | PPBV | 99 |
| 15) CHLOROETHANE | 1.933 | 64 | 72650 | 12.3274 | PPBV | 97 |
| 16) DICHLOROFLUOROMETHANE | 1.956 | 67 | 288899 | 12.5837 | PPBV | 100 |
| 17) ACETONITRILE | 2.023 | 41 | 129899 | 12.4126 | PPBV | 97 |
| 18) ACROLEIN | 2.062 | 56 | 64632 | 11.7588 | PPBV | 99 |
| 19) FREON 123 | 2.078 | 83 | 289371 | 11.6800 | PPBV | 99 |
| 20) FREON 123A | 2.094 | 117 | 177915 | 11.5341 | PPBV | 86 |
| 21) TRICHLOROFLUOROMETHANE | 2.159 | 101 | 336063 | 11.7545 | PPBV | 100 |
| 22) ISOPROPYL ALCOHOL | 2.175 | 45 | 296204 | 12.2797 | PPBV | 99 |
| 23) ACETONE | 2.101 | 58 | 72814 | 9.6250 | PPBV | 99 |
| 24) PENTANE | 2.271 | 42 | 159260 | 13.7453 | PPBV | 96 |
| 25) IODOMETHANE | 2.332 | 142 | 301505 | 11.5071 | PPBV | 97 |
| 26) 1,1-DICHLOROETHYLENE | 2.361 | 96 | 120203 | 10.6470 | PPBV | 91 |
| 27) CARBON DISULFIDE | 2.493 | 76 | 349352 | 12.4258 | PPBV | 100 |
| 28) ETHANOL | 1.962 | 45 | 82094 | 12.4325 | PPBV | 100 |
| 29) BROMOETHENE | 2.033 | 106 | 115108 | 11.0977 | PPBV | 100 |
| 30) ACRYLONITRILE | 2.242 | 52 | 107283 | 11.4579 | PPBV | 99 |
| 31) METHYLENE CHLORIDE | 2.396 | 84 | 108540 | 10.5320 | PPBV | 89 |
| 32) 3-CHLOROPROPENE | 2.438 | 76 | 59738 | 11.1423 | PPBV | 84 |
| 33) FREON 113 | 2.493 | 151 | 187189 | 10.9505 | PPBV | 93 |
| 34) TRANS-1,2-DICHLOROETHENE | 2.718 | 96 | 126956 | 10.8021 | PPBV | 95 |
| 35) TERTIARY BUTYL ALCOHOL | 2.374 | 59 | 306556 | 11.0505 | PPBV | 96 |
| 36) METHYL TERTIARY BUTYL ... | 2.824 | 73 | 366027 | 10.8908 | PPBV | 99 |
| 37) TETRAHYDROFURAN | 3.506 | 72 | 61303 | 11.7708 | PPBV | 88 |
| 38) HEXANE | 3.277 | 57 | 249173 | 11.6196 | PPBV | 97 |
| 39) VINYL ACETATE | 2.863 | 86 | 31920 | 10.0346 | PPBV | # 68 |
| 40) 1,1-DICHLOROETHANE | 2.792 | 63 | 249262 | 11.8533 | PPBV | 99 |
| 41) METHYL ETHYL KETONE | 2.956 | 72 | 64601 | 11.1674 | PPBV | 78 |
| 42) CIS-1,2-DICHLOROETHENE | 3.152 | 96 | 132911 | 10.9794 | PPBV | 93 |
| 43) DIISOPROPYL ETHER | 3.281 | 59 | 71761 | 12.0836 | PPBV | 89 |
| 44) ETHYL ACETATE | 3.284 | 61 | 49085 | 11.9468 | PPBV | 74 |
| 45) METHYL ACRYLATE | 3.271 | 55 | 296581 | 12.3104 | PPBV | # 100 |
| 46) CHLOROFORM | 3.300 | 83 | 279982 | 11.7645 | PPBV | 98 |
| 47) 2,4-DIMETHYLPENTANE | 3.785 | 57 | 285423 | 12.0384 | PPBV | 97 |
| 48) 1,1,1-TRICHLOROETHANE | 3.866 | 97 | 288442 | 11.3021 | PPBV | 97 |
| 49) CARBON TETRACHLORIDE | 4.281 | 117 | 288610 | 11.4025 | PPBV | 100 |
| 50) 1,2-DICHLOROETHANE | 3.702 | 62 | 226715 | 12.7237 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) | BENZENE | 4.171 | 78 | 394233 | 11.3368 | PPBV | 96 |
| 53) | CYCLOHEXANE | 4.377 | 84 | 171565 | 11.4842 | PPBV | 90 |
| 54) | 2,3-DIMETHYLPENTANE | 4.631 | 71 | 91843 | 11.7093 | PPBV | 88 |
| 55) | TRICHLOROETHENE | 5.062 | 95 | 183788 | 11.4345 | PPBV | 99 |
| 56) | 1,2-DICHLOROPROPANE | 4.830 | 63 | 163195 | 11.9013 | PPBV | 100 |
| 57) | DIBROMOMETHANE | 4.792 | 174 | 162791 | 10.7789 | PPBV | 100 |
| 58) | ETHYL ACRYLATE | 4.946 | 55 | 359970 | 12.3548 | PPBV | 99 |
| 59) | BROMODICHLOROMETHANE | 5.007 | 83 | 302617 | 11.8176 | PPBV | 99 |
| 60) | 2,2,4-TRIMETHYLPENTANE | 5.155 | 57 | 777339 | 12.7846 | PPBV | 99 |
| 61) | 1,4-DIOXANE | 5.078 | 88 | 95327 | 10.6365 | PPBV | 95 |
| 62) | HEPTANE | 5.470 | 43 | 290499 | 13.5949 | PPBV | 93 |
| 63) | METHYL METHACRYLATE | 5.367 | 69 | 151036 | 10.9979 | PPBV | 88 |
| 64) | METHYL ISOBUTYL KETONE | 6.094 | 58 | 149677 | 11.7331 | PPBV | 94 |
| 65) | CIS-1,3-DICHLOROPROPENE | 5.991 | 75 | 248142 | 11.5553 | PPBV | 95 |
| 66) | TOLUENE | 7.187 | 91 | 493044 | 11.0352 | PPBV | 100 |
| 67) | 1,3-DICHLOROPROPANE | 7.248 | 76 | 250218 | 11.9912 | PPBV | 100 |
| 68) | TRANS-1,3-DICHLOROPROPENE | 6.663 | 75 | 215825 | 10.6909 | PPBV | 96 |
| 69) | 1,1,2-TRICHLOROETHANE | 6.821 | 83 | 143975 | 11.7230 | PPBV | 100 |
| 70) | 2-HEXANONE | 7.756 | 58 | 203792 | 10.2304 | PPBV | 93 |
| 71) | ETHYL METHACRYLATE | 7.888 | 69 | 252840 | 10.5898 | PPBV | 92 |
| 72) | TETRACHLOROETHENE | 8.904 | 164 | 201722 | 11.9160 | PPBV | 98 |
| 73) | DIBROMOCHLOROMETHANE | 7.721 | 129 | 291723 | 11.3057 | PPBV | 99 |
| 74) | 1,2-DIBROMOETHANE | 8.059 | 107 | 273980 | 12.1862 | PPBV | 100 |
| 75) | OCTANE | 9.055 | 43 | 401711 | 13.2685 | PPBV | 93 |
| 77) | 1,1,1,2-TETRACHLOROETHANE | 10.120 | 131 | 214836 | 11.1846 | PPBV | 99 |
| 78) | CHLOROBENZENE | 10.110 | 112 | 407200 | 11.6436 | PPBV | 97 |
| 79) | ETHYLBENZENE | 10.985 | 91 | 666428 | 11.2583 | PPBV | 99 |
| 80) | M,P-XYLENE | 11.419 | 91 | 1059728 | 22.8378 | PPBV | 97 |
| 81) | O-XYLENE | 12.348 | 91 | 543847 | 11.6697 | PPBV | 100 |
| 82) | STYRENE | 12.132 | 104 | 407789 | 12.2176 | PPBV | 99 |
| 83) | NONANE | 13.467 | 43 | 431198 | 13.4703 | PPBV | 94 |
| 84) | BROMOFORM | 11.229 | 173 | 258139 | 11.2040 | PPBV | 99 |
| 85) | 1,1,2,2-TETRACHLOROETHANE | 12.361 | 83 | 384889 | 12.4098 | PPBV | 100 |
| 86) | 1,2,3-TRICHLOROPROPANE | 12.644 | 75 | 306857 | 12.4014 | PPBV | 100 |
| 88) | ISOPROPYLBENZENE | 13.859 | 120 | 203392 | 11.4239 | PPBV | 96 |
| 89) | BROMOBENZENE | 13.724 | 77 | 379842 | 11.4447 | PPBV | 96 |
| 90) | 2-CHLOROTOLUENE | 14.853 | 126 | 181616 | 11.2137 | PPBV | 100 |
| 91) | N-PROPYLBENZENE | 15.193 | 120 | 214820 | 11.9043 | PPBV | 99 |
| 92) | 4-ETHYLTOLUENE | 15.640 | 105 | 785520 | 12.1364 | PPBV | 99 |
| 93) | 1,3,5-TRIMETHYLBENZENE | 15.910 | 105 | 662218 | 12.1575 | PPBV | 98 |
| 94) | ALPHA-METHYLSTYRENE | 16.216 | 118 | 330677 | 11.8870 | PPBV | 100 |
| 95) | TERT-BUTYLBENZENE | 16.531 | 134 | 159535 | 12.2373 | PPBV | 97 |
| 96) | 1,2,4-TRIMETHYLBENZENE | 16.537 | 105 | 695260 | 12.6542 | PPBV | 98 |
| 97) | BENZYL CHLORIDE | 16.627 | 91 | 469547 | 9.6512 | PPBV | 98 |
| 98) | M-DICHLOROBENZENE | 16.598 | 146 | 445261 | 11.8813 | PPBV | 100 |
| 99) | P-DICHLOROBENZENE | 16.692 | 146 | 451417 | 12.3763 | PPBV | 100 |
| 100) | O-DICHLOROBENZENE | 17.010 | 146 | 424984 | 12.0097 | PPBV | 99 |
| 101) | SEC-BUTYLBENZENE | 16.836 | 134 | 199328 | 12.2694 | PPBV | 95 |
| 102) | 1,2,3-TRIMETHYLBENZENE | 16.955 | 105 | 670374 | 12.1808 | PPBV | 99 |
| 103) | P-ISOPROPYLTOLUENE | 17.029 | 134 | 217035 | 12.0513 | PPBV | 95 |
| 104) | N-BUTYLBENZENE | 17.393 | 134 | 214921 | 12.2144 | PPBV | 92 |
| 105) | HEXACHLOROETHANE | 17.569 | 117 | 222466 | 10.6127 | PPBV | 98 |
| 106) | HEXACHLOROBUTADIENE | 18.624 | 225 | 346623 | 13.1678 | PPBV | 99 |
| 107) | 1,2,4-TRICHLOROBENZENE | 18.315 | 180 | 403728 | 13.3474 | PPBV | 100 |
| 108) | NAPHTHALENE | 18.364 | 128 | 860534 | 12.8182 | PPBV | 100 |
| 110) | TVHC as equiv Pentane | 2.271 | TIC | 734311 | 13.2820 | PPBV | 100 |

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration

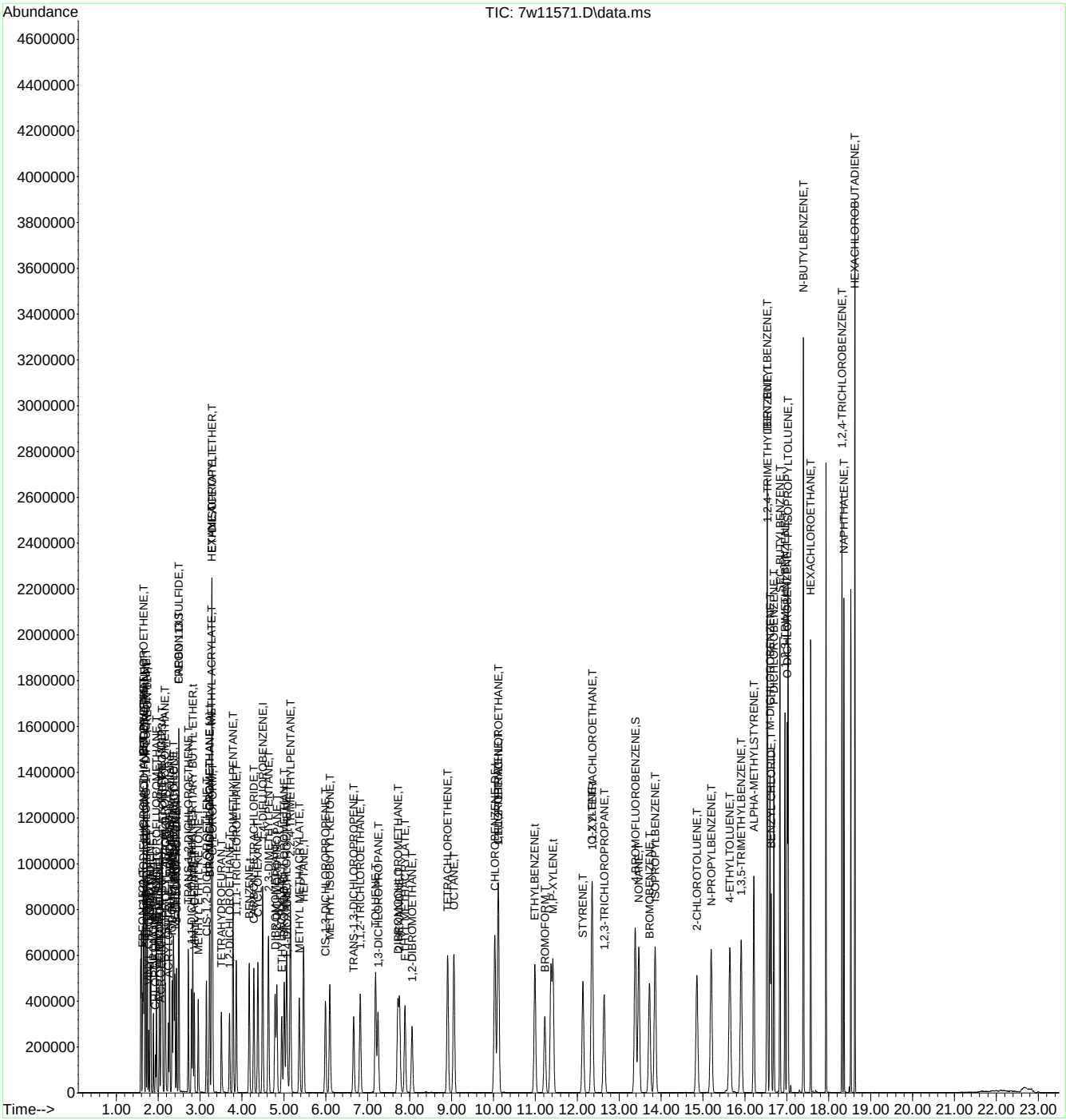
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : X:\Dayton VOA GCMS\geralyng\01-07-2025\V7W415\
Data File : 7w11571.D
Acq On : 7 Jan 2025 9:29 pm
Operator : benk
Sample : cc405-10 Inst : MS7W
Misc : MS88278,v7w415,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 08 21:37:09 2025
Quant Method : C:\msdchem\1\methods\M7W405.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sun Dec 29 19:41:17 2024
Response via : Initial Calibration



SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A1784 | AS10508 | 12/30/2024 | 0.5 |
| TO-15 STD | A2040 | AS10510 | 1/5/2025 | 5.0 |
| TO-15 STD | A1788 | AS10499 | 12/28/2024 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2125**
**Date: 12/8/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241208ical.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Thomas Hilbig**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-6 | ib | 5w55453 | | | A2040 | 20 | | | | | - | |
| 1-3 | ib | 5w55454 | | | A1784 | 20 | | | | | - | |
| 1-2 | ib | 5w55455 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55456 | | | A959 | 20 | | | | | - | |
| 1-2 | ib | 5w55457 | | | A959 | 20 | | | | | - | |
| 1-3 | bfb | 5w55458 | | | A1784 | 32 | | | | | OK | T = 10:53 |
| 1-3 | ic2125-0.04 | 5w55459 | | | A1784 | 32 | | | √ | √ | OK | |
| 1-3 | ic2125-0.1 | 5w55460 | | | A1784 | 80 | | | √ | √ | OK | |
| 1-3 | ic2125-0.2 | 5w55461 | | | A1784 | 160 | | | √ | √ | OK | |
| 1-3 | ic2125-0.5 | 5w55462 | | | A1784 | 400 | | | | | NOT USED | Testing Purposes |
| 1-6 | ic2125-0.5 | 5w55463 | | | A2040 | 40 | | | √ | √ | OK | |
| 1-6 | ic2125-5 | 5w55464 | | | A2040 | 400 | | | √ | √ | OK | |
| 1-1 | ic2125-5 | 5w55465 | | | A1788 | 40 | | | | | NOT USED | Testing Purposes |
| 1-1 | icc2125-10 | 5w55466 | | | A1788 | 80 | | | √ | √ | OK | |
| 1-1 | ic2125-20 | 5w55467 | | | A1788 | 160 | | | √ | √ | OK | |
| 1-1 | ic2125-40 | 5w55468 | | | A1788 | 320 | | | √ | √ | OK | |
| 1-1 | ic2125-50 | 5w55469 | | | A1788 | 400 | | | √ | √ | OK | |
| 1-2 | ib | 5w55470 | | | A959 | 200 | | | | | - | |
| 1-2 | ib | 5w55471 | | | A959 | 100 | | | | | - | |
| 1-5 | icv2125-10 | 5w55472 | | | A1795 | 80 | | | | | RR | Nap ↑ |
| 1-5 | icv2125-10 | 5w55473 | | | A1795 | 80 | | | √ | √ | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2132**
**Date: 12/16/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55661 | | | A959 | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55662 | | | A974 | 80 | | | | | RR | Acetone ↓, acrylonitrile ↓. Retune instrument |
| 1-2 | bfb | 5w55663 | | | a959 | 20 | | | | | OK | T = 12:41 |
| 1-1 | cc2125-10 | 5w55664 | | | A974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, HCBD ↑ |
| 1-1 | bs | 5w55665 | | | A974 | 80 | | | √ | √ | OK | CDFM ↑, THF ↑, MEK ↑, HCBD ↑ |
| 1-1 | bsd | 5w55666 | | | A974 | 80 | | | √ | √ | OK | CDFM ↑, MTBE ↑, THF ↑, MEK ↑, ethyl acetate ↑, 12DCA ↑, T-1,3-TCP ↑, HCBD ↑ |
| 1-1 | ib | 5w55667 | | | a974 | 80 | | | | | - | |
| 1-2 | ib | 5w55668 | | | a959 | 100 | | | | | - | |
| 1-2 | mb | 5w55669 | | | a959 | 400 | | | | | | |
| 1-3 | mb | 5w55670 | | | a1800 | 400 | | + | √ | √ | OK | |
| 1-3 | scc,cp12944 | 5w55670a | | | a1800 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12944 | 5w55671 | | | a1844 | 400 | | | √ | √ | OK | |
| 1-5 | scc,cp12944 | 5w55672 | | | a343 | 400 | | | √ | √ | OK | |
| 1-6 | je2487-2 | 5w55673 | MS88104 | NYLL | a1678 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-7 | je2487-4 | 5w55674 | MS88104 | NYLL | a1659 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-7 | je2487-4dup | 5w55675 | MS88104 | NYLL | a1659 | 500 | 1 | | √ | √ | OK | |
| 1-8 | je2487-6 | 5w55676 | MS88104 | NYLL | a1284 | 500 | 1 | | √ | √ | OK/DL | f/d |
| 1-9 | je1101-6r | 5w55677 | MS87842 | STD+, Nap | a1682 | 100 | 1 | | √ | √ | OK | |
| 1-10 | je1101-7r | 5w55678 | MS87842 | STD+, Nap | a1740 | 100 | 1 | | √ | √ | OK | |
| 1-11 | je1101-8r | 5w55679 | MS87842 | STD+, Nap | a770 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je1101-9r | 5w55680 | MS87842 | STD+, Nap | a1656 | 100 | 1 | | √ | √ | OK | |
| 1-13 | je2021-1 | 5w55681 | MS87842 | STD | tbag,m323 | 40 | 1 | | √ | √ | OK | |
| 1-14 | je2021-2 | 5w55682 | MS87842 | STD | tbag,a599 | 100 | 1 | | √ | √ | OK | |
| 1-15 | je2387-1 | 5w55683 | MS88056 | STD, Nap | a1905 | 100 | 1 | | √ | √ | OK | |
| 1-16 | je2387-2 | 5w55684 | MS88056 | STD, Nap | a2351 | 100 | 1 | | √ | √ | OK | |
| 1-2 | je2387-3 | 5w55685 | MS88056 | STD, Nap | a2554 | 100 | 1 | | √ | √ | OK | |
| 1-3 | je1889-1 | 5w55686 | MS87800 | STD | m223 | 100 | 1 | | √ | √ | OK | |
| 1-4 | je2389-1 | 5w55687 | MS88056 | STD,propbenz, cumene | a2359 | 100 | 1 | | √ | √ | OK | |
| 1-5 | scc,cp12943 | 5w55688 | | | a646 | 400 | | | √ | √ | OK | |
| 1-6 | je2484-1 | 5w55689 | MS88104 | STD+, Nap | a1613 | 400 | 1 | + | √ | √ | OK | |
| 1-7 | je2478-1 | 5w55690 | MS88104 | STD+, Nap | a1751 | 400 | 1 | + | √ | √ | OK | |
| 1-8 | je2478-2 | 5w55691 | MS88104 | STD+, Nap | a1730 | 400 | 1 | + | √ | √ | OK | |
| 1-3 | je2781-1 | 5w55692 | | SL | a1650 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2781-2 | 5w55693 | | SL | a1665 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2781-2 | 5w55694 | | SL | a1665 | 100 | 1 | | √ | √ | OK | |
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## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/6/2024 | TH | JE2021-1 | tbag,M323 | | 0.28 | 1.00 | | | | | 0 | #DIV/0! | **1.00** |
| 12/6/2024 | TH | JE2021-2 | tbag,A599 | | 1.02 | 1.00 | | | | | 0 | #DIV/0! | **1.00** |
| | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2132**
**Date: 12/16/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241216.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55695 | | | Open position | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55696 | | | A974 | 80 | | | | | RR | canister valve closed |
| 1-1 | cc2125-10 | 5w55697 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | cc2125-10 | 5w55698 | | | a974 | 80 | | | | | RR | Acetone ↓. Retune instrument |
| 1-2 | bfb | 5w55699 | | | Open position | 20 | | | | | OK | T = 19:52 |
| 1-1 | cc2125-10 | 5w55700 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, diisopropyl ether ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55701 | | | a974 | 80 | | | √ | √ | OK | MEK ↑, bromoform ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55702 | | | a974 | 80 | | | | | RR | Bad injection. |
| 1-1 | bsd | 5w55703 | | | a974 | 80 | | | √ | √ | OK | THF ↑, MEK ↑, ethyl acetate ↑, ethyl acrylate ↑, bromoform ↑, HCBD ↑ |
| 1-2 | ib | 5w55704 | | | a2039 | 80 | | | | | - | |
| 1-2 | ib | 5w55705 | | | a2039 | 200 | | | | | - | |
| 1-2 | mb | 5w55706 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55707 | | | a061 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55708 | | | a2175 | 400 | | | √ | √ | RECLEAN | Multiple hits. |
| 1-3 | scc,cp12948 | 5w55709 | | | a2150 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55710 | | | a1184 | 400 | | | √ | √ | RECLEAN | Nap ↑, 124TCB ↑ |
| 1-3 | scc,cp12946 | 5w55711 | | | m162 | 400 | | | √ | √ | RECLEAN | ethanol hit |
| 1-2 | scc,cp12947 | 5w55712 | | | a466 | 400 | | | √ | √ | OK | |
| 1-4 | scc,cp12946 | 5w55713 | | | a1184 | 400 | | | √ | √ | OK | |
| 1-3 | scc,cp12947 | 5w55714 | | | a2119 | 400 | | | √ | √ | OK | |
| 1-5 | je2488-1 | 5w55715 | MS88104 | NYLL | a1324 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-6 | je2488-2 | 5w55716 | MS88104 | NYLL | a879 | 500 | 1 | | ↓1 | √ | OK | for QC purpose only |
| 1-6 | je2488-2dup | 5w55717 | MS88104 | NYLL | a879 | 500 | 1 | | ↑1 | √ | OK | |
| 1-7 | je2489-2 | 5w55718 | MS88104 | NYLL | a1629 | 500 | 1 | | ↓123 | √ | OK/DL | ISTD out |
| 1-8 | je2489-4 | 5w55719 | MS88104 | NYLL | a1190 | 500 | 1 | | ↓123 | √ | RR | ISTD out |
| 1-9 | je2490-2 | 5w55720 | MS88104 | NYLL | a1736 | 500 | 1 | | ↓1 | √ | OK/DL | |
| 1-10 | je2490-4 | 5w55721 | MS88104 | NYLL | a2540 | 500 | 1 | | √ | √ | OK/DL | |
| 1-11 | je2491-2 | 5w55722 | MS88104 | NYLL | a1735 | 500 | 1 | | √ | √ | OK/DL | |
| 1-12 | je2491-4 | 5w55723 | MS88104 | NYLL | a1688 | 500 | 1 | | √ | √ | OK/DL | |
| 1-13 | je2487-2 | 5w55724 | MS88104 | NYLL | a1678 | 100 | 1 | | √ | √ | OK | |
| 1-14 | je2487-4 | 5w55725 | MS88104 | NYLL | a1659 | 20 | 1 | | √ | √ | OK | |
| 1-15 | je2487-6 | 5w55726 | MS88104 | NYLL | a1284 | 100 | 1 | | | | | Sequence stopped by analyst |
| 1-16 | je2487-3 | 5w55727 | MS88104 | NYSVLL | a1737 | 200 | 1 | | | | | Sequence stopped by analyst |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Initial | Sample ID | Canister SN | Vacuum at Time of | Final Pressure (psig) | Dilution Factor | Canister SN | Canister | Sample Volume | Final Pressure | Equivalent Total Volume | Dilution Factor | Final Canister Dilution Factor |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2133**
**Date: 12/17/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241217.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister | Injection | Dilution | TICS | Areas | | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SN | Volume (cc) | | | IS | SS | | | |
| Date | Initial | Sample ID | Canister SN | Dilution (inHg) | Final Pressure (psig) | Dilution Factor | Canister SN | Volume (cc) | Added (cc) | (psig) | | (cc) | Dilution Factor | Final Canister Dilution Factor |
| | | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2136**
**Date: 12/20/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55775 | | | a2039 | 20 | | | | | RR | |
| 1-1 | cc2125-10 | 5w55776 | | | A974 | 80 | | | | | NG | Multiple compounds ↑ retune instrument. |
| 1-2 | bfb | 5w55777 | | | a2039 | 20 | | | | | OK | T = 10:31 |
| 1-1 | cc2125-10 | 5w55778 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, acetone ↓, THF ↑, MEK ↑, EACE ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55779 | | | A974 | 80 | | | √ | √ | OK | F115 ↑, 1,3-butadiene ↓, acetone ↓, THF ↑, MEK ↑, DBM ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55780 | | | A974 | 80 | | | | | RR | |
| 1-1 | bsd | 5w55781 | | | A974 | 80 | | | √ | √ | OK | 1,3-butadiene ↑, butane ↑, BRM ↑, CE ↑, ACNIT ↑, ACE ↑, EtOH ↑, THF ↑, MEK ↑, DBM ↑, EMC ↑, BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55782 | | | a2039 | 400 | | | | | - | |
| 1-2 | mb | 5w55783 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-3 | je2665-1 | 5w55784 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-3 | je2665-1dup | 5w55785 | MS88187 | STD, Nap | a2388 | 100 | 1 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55786 | MS88104 | NYLL | a1629 | 725 | 1.45 | | √ | √ | OK | |
| 1-4 | je2489-2 | 5w55787 | MS88104 | NYLL | a1629 | 100 | 1.45 | | √ | √ | OK | |
| 1-5 | je2489-3 | 5w55788 | MS88104 | NYSVLL | a1641 | 400 | 1 | | √ | √ | OK | |
| 1-6 | je2489-4 | 5w55789 | MS88104 | NYLL | a1190 | 740 | 1.48 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55790 | MS88104 | NYSVLL | a761 | 80 | 1 | | √ | √ | OK | f/d |
| 1-8 | je2490-2 | 5w55791 | MS88104 | NYLL | a1736 | 725 | 1.45 | | √ | √ | OK | |
| 1-8 | je2490-2 | 5w55792 | MS88104 | NYLL | a1736 | 10 | 1.45 | | √ | √ | OK | |
| 1-9 | je2490-3 | 5w55793 | MS88104 | NYSVLL | a1293 | 200 | 1 | | √ | √ | OK | |
| 1-10 | je2490-4 | 5w55794 | MS88104 | NYLL | a2540 | 20 | 1 | | √ | √ | OK | |
| 1-11 | je2491-1 | 5w55795 | MS88104 | NYSVLL | a1726 | 100 | 1 | | √ | √ | OK | |
| 1-12 | je2491-2 | 5w55796 | MS88104 | NYLL | a1735 | 10 | 1 | | √ | √ | OK | f/d |
| 1-13 | je2491-3 | 5w55797 | MS88104 | NYSVLL | a1480 | 200 | 1 | | √ | √ | OK | |
| 1-14 | je2491-4 | 5w55798 | MS88104 | NYLL | a1688 | 10 | 1 | | √ | √ | OK | f/d |
| 1-15 | je2670-1 | 5w55799 | MS88187 | 8010L | a1867 | 400 | 1 | | √ | √ | OK | |
| 1-16 | je2670-2 | 5w55800 | MS88187 | 8010L | a1339 | 400 | 1 | | √ | √ | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/20/2024 | TH | je2489-2 | a1629 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |
| 12/20/2024 | TH | je2489-4 | a1190 | 8.0 | 1.20 | 1.48 | | | | | 0 | #DIV/0! | **1.48** |
| 12/20/2024 | TH | je2490-2 | a1736 | 7.5 | 1.30 | 1.45 | | | | | 0 | #DIV/0! | **1.45** |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V5W2136**
**Date:** **12/20/2024**
**Laboratory Analyst:** **Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241220.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s):** **Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] | | | | | | | | | | | |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | A1739 | AS9819 | 12/31/2024 | 100 |
| TO-15 STD | A974 | AS10497 | 12/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V5W2138**
**Date: 12/23/2024**
**Laboratory Analyst: Thomas Hilbig**
Columns: Rtx-1 (60m x 0.32mm x 1.0um)
GCMS Method: 5WTO15.M
Sequence File: 5W20241223.S
Initial Calibration Method: M5W2125.M
Concentrator Method: 5WTO15A.CTD3
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-2 | bfb | 5w55817 | | | a2039 | 20 | | | | | RR | |
| 1-1 | bfb | 5w55818 | | | A974 | 80 | | | | | OK | T = 08:13 |
| 1-1 | cc2125-10 | 5w55819 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bs | 5w55820 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-1 | bsd | 5w55821 | | | A974 | 80 | | | √ | √ | OK | BMF ↑, HCBD ↑, 124TCB ↑ |
| 1-2 | ib | 5w55822 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | mb | 5w55823 | | | a2039 | 400 | | | √ | √ | OK | |
| 1-2 | scc,cp12951 | 5w55824 | | | a1634 | 400 | | | √ | √ | OK | |
| 1-3 | je2315-1 | 5w55825 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-3 | je2315-1dup | 5w55826 | MS88014 | STD | a210 | 400 | 1 | | √ | √ | OK | |
| 1-4 | je2487-1 | 5w55827 | MS88104 | NYSVLL, Nap | m140 | 100 | 1 | | √ | √ | OK | |
| 1-5 | je2487-5 | 5w55828 | MS88104 | NYSVLL, Nap | a1597 | 100 | 1 | | √ | √ | OK | |
| 1-6 | je2489-1 | 5w55829 | MS88104 | NYSVLL, Nap | a231 | 400 | 1 | | √ | √ | OK | |
| 1-7 | je2490-1 | 5w55830 | MS88104 | NYSVLL, Nap | a1761 | 20 | 1 | | √ | √ | OK | |
| 1-8 | je2491-2 | 5w55831 | MS88104 | NYLL, Nap | a1735,m442 | 200 | 135 | | √ | √ | OK | |
| 1-9 | je2491-4 | 5w55832 | MS88104 | NYLL, Nap | a1688 | 5 | 1 | | √ | √ | OK/DL | Acetate ↑ RR 200x |
| 1-10 | je2661-3 | 5w55833 | MS88187 | STD | a664 | 400 | 1 | | √ | √ | OK | |
| 1-11 | je2661-4 | 5w55834 | MS88187 | STD | m116 | 400 | 1 | | √ | √ | OK | |
| 1-12 | je2661-5 | 5w55835 | MS88187 | STD | a2137 | 400 | 1 | | √ | √ | OK | |
| 1-13 | je2792-1 | 5w55836 | MS88386 | STD | a738 | 400 | 1 | | √ | √ | OK | |
| 1-14 | je2792-2 | 5w55837 | MS88386 | STD | a2109 | 400 | 1 | | √ | √ | OK | |
| 1-15 | je2792-3 | 5w55838 | MS88386 | STD | a1817 | 400 | 1 | | √ | √ | OK/DL | Ethyl acetate ↑ RR 100mL |
| 1-16 | je2792-4 | 5w55839 | MS88386 | STD | a1873 | 720 | 1.8 | | √ | √ | OK | |
| 1-2 | je2792-5 | 5w55840 | MS88386 | STD | m137 | 400 | 1 | | | | RR | Canister valve closed. |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 12/23/2024 | TH | je2491-2 | a1735 | 6.0 | 1.20 | 1.35 | m442 | 1000 | 20 | 14.7 | 2000 | 100 | **135** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Conc. (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A2038 | AS10402 | 9/18/2024 | 0.5 |
| TO-15 STD | A2045 | AS10401 | 9/18/2024 | 5.0 |
| TO-15 STD | A1805 | AS10384 | 9/14/2024 | 50 |
| TO-15 LCS | A1795 | AS10393 | 9/15/2024 | 50 |
| | | | | |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W305**
**Date: 8/18/2024**
**Laboratory Analyst: Benjamin Kim**
Columns: Rtx-1 (60mx0.32mmx1.0um)
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20240818ical.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15.7200A.CTD
**Data Validator: Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w07973 | | | A2036 | 100 | | | | | - | |
| 2-1 | bfb | 7w07974 | | | A2038 | 32 | | | | | OK | T = 21:06 |
| 2-1 | ic305-0.04 | 7w07975 | MS80966 | STD+NAP | A2038 | 32 | | | √ | √ | OK | |
| 2-1 | ic305-0.1 | 7w07976 | MS80966 | STD+NAP | A2038 | 80 | | | √ | √ | OK | |
| 2-1 | ic305-0.2 | 7w07977 | MS80966 | STD+NAP | A2038 | 160 | | | √ | √ | OK | |
| 2-2 | ic305-0.5 | 7w07978 | MS80966 | STD+NAP | A2045 | 40 | | | √ | √ | OK | |
| 2-2 | ic305-5 | 7w07979 | MS80966 | STD+NAP | A2045 | 400 | | | √ | √ | OK | |
| 2-3 | icc305-10 | 7w07980 | MS80966 | STD+NAP | A1805 | 80 | | | √ | √ | OK | |
| 2-3 | ic305-20 | 7w07981 | MS80966 | STD+NAP | A1805 | 160 | | | √ | √ | OK | |
| 2-3 | ic305-40 | 7w07982 | MS80966 | STD+NAP | A1805 | 320 | | | √ | √ | OK | |
| 2-3 | ic305-50 | 7w07983 | MS80966 | STD+NAP | A1805 | 400 | | | √ | √ | OK | |
| 2-5 | ib | 7w07984 | | | A2036 | 20 | | | | | - | |
| 2-5 | ib | 7w07985 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07986 | MS80966 | STD+NAP | A1795 | 100 | | | | | NOT USED | Wrong volume. |
| 2-5 | ib | 7w07987 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07988 | | | A2036 | 100 | | | | | - | |
| 2-5 | ib | 7w07989 | | | A2036 | 100 | | | | | - | |
| 2-4 | icv305-10 | 7w07990 | MS80966 | STD+NAP | A1795 | 80 | | | √ | √ | OK | ↑ Benzyl Chloride |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W387**
**Date: 11/18//2024**
**Laboratory Analyst: Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Lucky Carandang**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10575 | | | a2039 | 20 | | | | | OK | t = 08:59 |
| C2 | cc305-10 | 7w10576 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑ |
| C2 | bs | 7w10577 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C2 | bsd | 7w10578 | | | a1805 | 80 | | | √ | √ | OK | Benzyl chloride ↑, F115 ↑, F152A ↑ |
| C1 | ib | 7w10579 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10580 | | | a2039 | 400 | | + | √ | √ | OK | |
| C3 | je571-1 | 7w10581 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | RR | Bad purge |
| C4 | jd99820-1 | 7w10582 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C4 | jd99820-1dup | 7w10583 | MS86930 | SL1 | a900 | 400 | 1 | | √ | √ | OK | |
| C5 | je569-1 | 7w10584 | MS87221 | STD+, Nap | a473 | 400 | 1 | + | √ | √ | OK | |
| C6 | je569-3 | 7w10585 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | RR | Bad purge |
| C7 | je569-4 | 7w10586 | MS87221 | STD+, Nap | a1835 | 400 | 1 | + | √ | √ | OK | |
| C8 | je569-5 | 7w10587 | MS87221 | STD+, Nap | a1350 | 400 | 1 | + | √ | √ | OK | |
| C9 | je569-6 | 7w10588 | MS87221 | STD+, Nap | a1301 | 400 | 1 | + | √ | √ | OK | |
| D1 | je569-8 | 7w10589 | MS87221 | STD+, Nap | m226 | 400 | 1 | + | | | RR | 4-Bromofluorobenzene RT shift |
| D2 | je569-9 | 7w10590 | MS87221 | STD+, Nap | m118 | 400 | 1 | + | √ | √ | OK | |
| D3 | je603-1 | 7w10591 | MS87221 | STD+, Nap | a1645 | 400 | 1 | + | √ | √ | OK | |
| D4 | je603-2 | 7w10592 | MS87221 | STD+, Nap | a357 | 400 | 1 | + | √ | √ | OK | |
| C3 | je571-1 | 7w10593 | MS87221 | VTO15NYLL3NG42A+20, F142B | m036 | 100 | 1 | | √ | √ | OK | |
| A1 | jd435-1 | 7w10594 | MS87175 | STD, Nap | a1972 | 100 | 1 | | √ | √ | OK | |
| A2 | jd435-5 | 7w10595 | MS87175 | STD, Nap | a2269 | 100 | 1 | | √ | √ | OK | |
| A3 | jd435-6 | 7w10596 | MS87175 | STD, Nap | a2569 | 100 | 1 | | √ | √ | OK | |
| A4 | jd605-1 | 7w10597 | MS87221 | STD, Nap | a2586 | 100 | 1 | | √ | √ | OK | |
| A5 | jd605-2 | 7w10598 | MS87221 | STD, Nap | a2596 | 100 | 1 | | √ | √ | OK | |
| A6 | jd605-3 | 7w10599 | MS87221 | STD, Nap | a2271 | 100 | 1 | | √ | √ | OK | |
| A7 | jd99809-1 | 7w10600 | MS86930 | PAUGTMB, EDB, EDC | a1524 | 100 | 1 | | √ | √ | RR | ISTD/SURR RT shift |
| A8 | jd99809-2 | 7w10601 | MS86930 | PAUGTMB, EDB, EDC | a2305 | 100 | 1 | | √ | √ | OK | |
| A9 | jd99809-3 | 7w10602 | MS86930 | PAUGTMB, EDB, EDC | a2198 | 100 | 1 | | √ | √ | OK | |
| A10 | scc, cp12923 | 7w10603 | | | a2567 | 100 | | | √ | √ | OK | |
| B1 | scc, cp12924 | 7w10604 | | | a1450 | 100 | | | √ | √ | OK | |
| D5 | scc, cp12922 | 7w10605 | | | a779 | 400 | | | √ | √ | OK | |
| D6 | scc, cp12922 | 7w10606 | | | a1171 | 400 | | | √ | √ | OK | |
| D7 | scc, cp12922 | 7w10607 | | | m053 | 400 | | | √ | √ | OK | |
| C6 | je569-3 | 7w10608 | MS87221 | STD+, Nap | a345 | 400 | 1 | + | √ | √ | OK | 6:51 |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1805 | AS10476 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W387**
**Date:** **11/18//2024**
**Laboratory Analyst:** **Thomas Hilbig**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241118.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s):** **Lucky Carandang**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| | |
|---|---|
| **Definition:** | Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)<br>Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)] |
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. |
| **Notes:** | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10742 | | | a2039 | 20 | | | | | OK | t = 08:36 |
| C2 | cc305-10 | 7w10743 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bs | 7w10744 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C2 | bsd | 7w10745 | | | a1806 | 80 | | | √ | √ | OK | Benzyl chloride ↑ |
| C1 | ib | 7w10746 | | | a2039 | 100 | | | | | - | |
| C1 | mb | 7w10747 | | | a2039 | 100 | | | √ | √ | OK | |
| D1 | je988-1 | 7w10748 | MS87406 | STD | a673 | 5 | 1 | | √ | √ | OK | |
| D2 | je988-2 | 7w10749 | MS87406 | STD | a1091 | 5 | 1 | | √ | √ | OK | |
| D3 | je988-3 | 7w10750 | MS87406 | STD | a845 | 5 | 1 | | √ | √ | OK | |
| D4 | je988-4 | 7w10751 | MS87406 | STD | a1318 | 5 | 1 | | √ | √ | OK | |
| D5 | je988-5 | 7w10752 | MS87406 | STD | a992 | 400 | 1 | | √ | √ | OK | |
| A1 | je994-1 | 7w10753 | MS87406 | SL | a2210 | 80 | 1 | | ↑3 | | RR | surr out; istd out |
| A2 | je994-2 | 7w10754 | MS87406 | SL | a2300 | 100 | 1 | | √ | √ | OK | |
| A2 | je994-2dup | 7w10755 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A2 | je994-2dup | 7w10756 | MS87406 | SL | a2300 | 100 | 1 | | | | RR | bad injection |
| A3 | je1061-1 | 7w10757 | MS87455 | SL | a2253 | 20 | 1 | | √ | √ | OK | |
| A4 | je1061-3 | 7w10758 | MS87455 | SL | a2380 | 10 | 1 | | √ | √ | RR/FD | |
| A5 | je1061-4 | 7w10759 | MS87455 | SL | a2243 | 10 | 1 | | √ | √ | RR/FD | |
| A6 | je1061-5 | 7w10760 | MS87455 | SL | a2225 | 5 | 1 | | √ | √ | RR/FD | |
| A7 | je1061-7 | 7w10761 | MS87455 | SL | a2287 | 10 | 1 | | √ | √ | RR/FD | |
| C1 | ib | 7w10762 | | | a2039 | 20 | | | | | - | |
| A8 | je1061-2 | 7w10763 | MS87455 | SL | a2431 | 100 | 1 | | √ | √ | OK | |
| A9 | je1061-9 | 7w10764 | MS87455 | SL | a2209 | 100 | 1 | | √ | √ | OK | |
| A10 | je1061-10 | 7w10765 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |
| D6 | je1061-6 | 7w10766 | MS87455 | SL | a2581,m163 | 400 | 260 | | √ | √ | OK | |
| D7 | je1061-8 | 7w10767 | MS87455 | SL | a2587,a1758 | 400 | 266 | | √ | √ | OK | |
| C3 | je369-3 | 7w10768 | MS87131 | SL3 | a233 | 400 | 1 | | √ | √ | OK | |
| C4 | je369-4 | 7w10769 | MS87131 | SL3 | a2160 | 400 | 1 | | √ | √ | RR | low ISTD |
| C5 | je369-5 | 7w10770 | MS87131 | SL3 | a216 | 400 | 1 | | √ | √ | RR | RT shift |
| A1 | je994-1 | 7w10771 | MS87406 | SL | a2210 | 100 | 1 | | √ | √ | OK | |
| C6 | scc,cp12920 | 7w10772 | | | a1623 | 400 | | | √ | √ | OK | |
| C7 | scc,cp12920 | 7w10773 | | | a1689 | 400 | | | √ | √ | OK | |
| C8 | scc,cp12920 | 7w10774 | | | a2010 | 400 | | | √ | √ | OK | |
| C9 | scc,cp12920 | 7w10775 | | | a2095 | 400 | | | √ | √ | OK | |
| D1 | scc,cp12926 | 7w10776 | | | a2187 | 400 | | | √ | √ | RECLEAN | |
| D8 | scc,cp12926 | 7w10777 | | | a1858 | 400 | | | √ | √ | OK | |
| D9 | scc,cp12926 | 7w10778 | | | a2144 | 400 | | | √ | √ | RECLEAN | |
| A10 | je1061-10dup | 7w10779 | MS87455 | SL | a2270 | 100 | 1 | | √ | √ | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 11/25/2024 | wc | je1061-6 | a2581 | 5.0 | 1.20 | 1.30 | m163 | 6000 | 50 | 9.8 | 10000 | 200 | **260** |
| 11/25/2024 | wc | je1061-8 | a2587 | 5.5 | 1.20 | 1.33 | a1758 | 6000 | 50 | 9.8 | 10000 | 200 | **266** |
| | | | | | | | | | | | | | |

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W392**
**Date: 11/25/2024**
**Laboratory Analyst: William Cruser**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241125.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Lucky Carandang**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W394**
**Date: 11/27/2024**
**Laboratory Analyst: Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241127.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | bfb | 7w10805 | | | A2039 | 20 | | | | | | |
| C2 | cc305-10 | 7w10806 | | | A1806 | 80 | | | | | NOT USED | retune |
| C1 | bfb | 7w10807 | | | A2039 | 20 | | | | | | |
| C2 | cc305-10 | 7w10808 | | | A1806 | 80 | | | | | NOT USED | retune |
| C1 | bfb | 7w10809 | | | A2039 | 20 | | | | | OK | T = 18:19 |
| C2 | cc305-10 | 7w10810 | | | A1806 | 80 | | | √ | √ | OK | ↑ Benzyl chloride, F142B |
| C2 | bs | 7w10811 | | | A1806 | 80 | | | √ | √ | OK | ↑ Multiple Hits |
| C2 | bsd | 7w10812 | | | A1806 | 80 | | | √ | √ | OK | ↑ Multiple Hits |
| C1 | ib | 7w10813 | | | A2039 | 100 | | | | | - | |
| C1 | mb | 7w10814 | | | A2039 | 100 | | | √ | √ | OK | Canister Certification Only! |
| A1 | scc,cp12916 | 7w10815 | | | A1207 | 100 | | | | | RECLEAN | ↑ Multiple Hits |
| A2 | scc,cp12916 | 7w10816 | | | A1236 | 100 | | | √ | √ | OK | |
| A3 | scc,cp12916 | 7w10817 | | | A1234 | 100 | | | √ | √ | OK | |
| A4 | scc,cp12916 | 7w10818 | | | A1218 | 100 | | | √ | √ | OK | |
| A5 | scc,cp12916 | 7w10819 | | | A1216 | 100 | | | √ | √ | OK | |
| A6 | scc,cp12916 | 7w10820 | | | A1225 | 100 | | | √ | √ | OK | |
| A7 | scc,cp12916 | 7w10821 | | | A1212 | 100 | | | | | RECLEAN | ↑ TCE |
| A8 | scc,cp12916 | 7w10822 | | | A1221 | 100 | | | √ | √ | OK | |
| A9 | scc,cp12916 | 7w10823 | | | A1232 | 100 | | | √ | √ | OK | |
| A10 | scc,cp12916 | 7w10824 | | | A1231 | 100 | | | √ | √ | OK | |
| D8 | scc,cp12916 | 7w10825 | | | A1237 | 100 | | | √ | √ | OK | |
| D9 | scc,cp12916 | 7w10826 | | | A1243 | 100 | | | √ | √ | OK | |
| C3 | scc,cp12905 | 7w10827 | | | A793 | 100 | | | | | RECLEAN | ↑ Acetone |
| C4 | scc,cp12903 | 7w10828 | | | A518 | 100 | | | √ | √ | OK | |
| C5 | scc,cp12903 | 7w10829 | | | M195 | 100 | | | | | RECLEAN | ↑ Multiple Hits |
| C6 | scc,cp12903 | 7w10830 | | | A419 | 100 | | | | | RECLEAN | ↑ Acetone |
| C7 | scc,cp12897 | 7w10831 | | | A792 | 100 | | | √ | √ | OK | |
| C8 | scc,cp12884 | 7w10832 | | | M331 | 100 | | | | | RECLEAN | ↑ Acetone |
| C9 | scc,cp12905 | 7w10833 | | | A1117 | 100 | | | √ | √ | OK | |
| D1 | scc,cp12903 | 7w10834 | | | A431 | 100 | | | | | RECLEAN | ↑ Multiple Hits |
| D2 | scc,cp12903 | 7w10835 | | | A674 | 100 | | | | | RECLEAN | ↑ TCE |
| D3 | scc,cp12905 | 7w10836 | | | A536 | 100 | | | √ | √ | OK | |
| D4 | scc,cp12897 | 7w10837 | | | A786 | 100 | | | √ | √ | OK | |
| D5 | scc,cp12897 | 7w10838 | | | A425 | 100 | | | √ | √ | OK | |
| D6 | scc,cp12903 | 7w10839 | | | A488 | 100 | | | √ | √ | OK | |
| D7 | scc,cp12897 | 7w10840 | | | A427 | 100 | | | √ | √ | OK | |
| B1 | scc,cp12925 | 7w10841 | | | A1931 | 100 | | | √ | √ | OK | |
| B2 | scc,cp12925 | 7w10842 | | | A1996 | 100 | | | √ | √ | OK | |
| B3 | scc,cp12925 | 7w10843 | | | A1927 | 100 | | | √ | √ | OK | |
| B4 | scc,cp12928 | 7w10844 | | | A1930 | 100 | | | √ | √ | OK | |
| B5 | scc,cp12928 | 7w10845 | | | A1511 | 100 | | | √ | √ | OK | |
| B6 | scc,cp12928 | 7w10846 | | | A1380 | 100 | | | √ | √ | OK | |
| B7 | scc,cp12928 | 7w10847 | | | A1935 | 100 | | | √ | √ | OK | |
| C1 | ib | 7w10848 | | | A2039 | 100 | | | | | - | |
| C1 | ib | 7w10849 | | | A2039 | 100 | | | | | - | |
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## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| | | | | | | | | | | | | | |
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SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | a1806 | AS10475 | 11/28/2024 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W394**
**Date: 11/27/2024**
**Laboratory Analyst: Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241127.S
Initial Calibration Method: M7W305.M
Concentrator Method: 7WTO15C.7200A.CTD
**Data Validator(s): Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A1787 | AS10529 | 1/28/2025 | 0.5 |
| TO-15 STD | A966 | AS10528 | 1/27/2025 | 5.0 |
| TO-15 STD | A1805 | AS10522 | 1/18/2025 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W405**
**Date: 12/28/2024**
**Laboratory Analyst: Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
**Data Validator(s): Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-5 | ib | 7w11219 | | | A1795 | 20 | | | | | | |
| 2-4 | ib | 7w11220 | | | A1805 | 20 | | | | | | |
| 2-3 | ib | 7w11221 | | | A966 | 20 | | | | | | |
| 2-2 | ib | 7w11222 | | | A1787 | 20 | | | | | | |
| 2-1 | ib | 7w11223 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11224 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11225 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11226 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11227 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11228 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11229 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11230 | | | A2036 | 20 | | | | | | |
| 2-1 | ib | 7w11231 | | | A2036 | 20 | | | | | | |
| 2-2 | bfb | 7w11232 | | | A1787 | 32 | | | | | OK | T = 8:40 |
| 2-2 | ic405-0.04 | 7w11233 | MS80966 | | A1787 | 32 | | | √ | √ | OK | |
| 2-2 | ic405-0.1 | 7w11234 | MS80966 | | A1787 | 80 | | | √ | √ | OK | |
| 2-2 | ic405-0.2 | 7w11235 | MS80966 | | A1787 | 160 | | | √ | √ | OK | |
| 2-2 | ic405-0.5 | 7w11236 | MS80966 | | A1787 | 320 | | | | | NOT USED | Testing purposes |
| 2-3 | ic405-0.5 | 7w11237 | MS80966 | | A966 | 40 | | | √ | √ | OK | |
| 2-3 | ic405-5 | 7w11238 | MS80966 | | A966 | 400 | | | √ | √ | OK | |
| 2-4 | ic405-5 | 7w11239 | MS80966 | | A1805 | 40 | | | | | NOT USED | Testing purposes |
| 2-4 | icc405-10 | 7w11240 | MS80966 | | A1805 | 80 | | | √ | √ | OK | |
| 2-4 | ic405-20 | 7w11241 | MS80966 | | A1805 | 160 | | | √ | √ | OK | |
| 2-4 | ic405-40 | 7w11242 | MS80966 | | A1805 | 320 | | | √ | √ | OK | |
| 2-4 | ic405-50 | 7w11243 | MS80966 | | A1805 | 400 | | | √ | √ | OK | |
| 2-1 | ib | 7w11244 | | | A2036 | 200 | | | | | - | |
| 2-1 | ib | 7w11245 | | | A2036 | 400 | | | | | - | |
| 2-1 | ib | 7w11246 | | | A2036 | 400 | | | | | - | |
| 2-5 | icv405-10 | 7w11247 | MS80966 | | A1795 | 80 | | | √ | √ | OK | |
| 2-5 | ib | 7w11248 | | | A1795 | 80 | | | | | - | |
| 2-1 | ib | 7w11249 | | | A2036 | 200 | | | | | - | |
| 2-1 | ib | 7w11250 | | | A2036 | 400 | | | | | - | |
| 2-1 | ib | 7w11251 | | | A2036 | 400 | | | | | - | |
| 2-1 | ib | 7w11252 | | | A2036 | 400 | | | | | - | |
| 2-1 | ib | 7w11253 | | | A2036 | 400 | | | | | - | |
| 2-1 | ib | 7w11254 | | | A2036 | 400 | | | | | - | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
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**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS10298 | 5/31/2025 | 100 |
| TO-15 STD | A1787 | AS10529 | 1/28/2025 | 0.5 |
| TO-15 STD | A966 | AS10528 | 1/27/2025 | 5.0 |
| TO-15 STD | A1805 | AS10522 | 1/18/2025 | 50 |
| TO-15 LCS | A1795 | AS10507 | 12/29/2024 | 50 |
| TO-15 LCS (Stock) | CC-305926 | AS10352 | 6/12/2025 | 1000 |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W405**
**Date:** **12/28/2024**
**Laboratory Analyst:** **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20241228.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
**Data Validator(s):** **Benjamin Kim**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Example:** | Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400. | | | | | | | | | | | |
| **Notes:** | | | | | | | | | | | | |

SGS

# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS9819 | 1/31/2025 | 100 |
| TO-15 STD | A1806 | AS10523 | 1/18/2025 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W414**
**Date: 1/6/2025**
**Laboratory Analyst: Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250106.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D9 | bfb | 7w11534 | | | OPEN | 400 | | | | | OK | T = 20:16 |
| 1-4 | cc405-10 | 7w11535 | | | A1806 | 80 | | | √ | √ | OK | |
| 1-4 | bs | 7w11536 | | | A1806 | 80 | | | | | OK | |
| 1-4 | bsd | 7w11537 | | | A1806 | 80 | | | | | OK | |
| 2-1 | ib | 7w11538 | | | A2036 | 400 | | | | | - | |
| 2-1 | mb | 7w11539 | | | A2036 | 400 | | + | | | OK | |
| D4 | scc,cp12951 | 7w11540 | | | A1585 | 400 | | | | | OK | |
| D9 | je2961-3 | 7w11541 | MS88386 | STD+ | tbag,tbag | 40 | 1000 | | | | RR | Inconsistent |
| D3 | scc,cp12959 | 7w11542 | | | A262 | 400 | | | | | OK | |
| A1 | je3199-21 | 7w11543 | MS88474 | STD+, NAP | A1448 | 50 | 1 | + | | | OK | |
| A2 | je3199-22 | 7w11544 | MS88474 | STD+, NAP | A1456 | 50 | 1 | + | | | RR/Overcal | ↑ DCDFM, RR = 20cc |
| 2-2 | je2491-4 | 7w11545 | MS88104 | NYLL, NAP | A1688 | 5 | 1 | | | | RR/Overcal | Acetone ↑ RR 200x |
| C1 | je2670-3 | 7w11546 | MS88187 | 8010L | M107 | 200 | 1 | | | | OK | |
| C2 | je2792-3 | 7w11547 | MS88386 | STD+ | A1817 | 100 | 1 | | | | RR/Too Dilute | RR = 400cc |
| C3 | je2792-5 | 7w11548 | MS88386 | STD+ | M137 | 400 | 1 | | | | OK | |
| C3 | je2792-5dup | 7w11549 | MS88386 | STD+ | M137 | 400 | 1 | | | | OK | |
| A3 | je3199-34 | 7w11550 | MS88474 | STD+, NAP | A1927 | 100 | 1 | + | | | OK | ↑ F152A = NT |
| A4 | je3199-35 | 7w11551 | MS88474 | STD+, NAP | A1901 | 100 | 1 | + | | | OK | ↑ F152A = NT |
| A5 | je3199-36 | 7w11552 | MS88474 | STD+, NAP | A1931 | 100 | 1 | + | | | OK | |
| A6 | je3199-37 | 7w11553 | MS88474 | STD+, NAP | A1511 | 100 | 1 | + | | | OK | ↑ F152A = NT |
| A7 | je3199-38 | 7w11554 | MS88474 | STD+, NAP | A1893 | 100 | 1 | + | | | OK | ↑ F152A = NT |
| C4 | je3156-1 | 7w11555 | MS88474 | STD | M009 | 20 | 1 | | | | RR/Overcal | ↑ DCDM, RR = 10cc |
| C5 | je3156-2 | 7w11556 | MS88474 | STD | A864 | 20 | 1 | | | | RR/Overcal | ↑ F114, RR = 10cc |
| C6 | je3156-3 | 7w11557 | MS88474 | STD | A279 | 400 | 1 | | | | RR/Overcal | ↑ Acetone, RR = 200cc |
| C7 | je3156-4 | 7w11558 | MS88474 | STD | M111 | 400 | 1 | | | | OK | |
| C8 | je3182-1 | 7w11559 | MS88474 | NYLL | A1825 | 500 | 1 | | | | OK | ↑ Butane = NT |
| C9 | je3182-2 | 7w11560 | MS88474 | NYLL | A2088 | 500 | 1 | | | | OK | |
| D1 | je3182-3 | 7w11561 | MS88474 | NYLL | A2132 | 500 | 1 | | | | RR/Overcal | ↑ Chloroform, RR = 2x |
| 2-3 | je3178-5 | 7w11562 | MS88474 | SL+ | M233 | 79 | 1.58 | + | | | OK | |
| 2-3 | je3178-5dup | 7w11563 | MS88474 | SL+ | M233 | 79 | 1.58 | + | | | OK | |
| A2 | je3199-22 | 7w11564 | MS88474 | STD+, NAP | A1456 | 20 | 1 | + | | | OK | |
| C2 | je2792-3 | 7w11565 | MS88386 | STD+ | A1817 | 400 | 1 | | | | OK | |
| C4 | je3156-1 | 7w11566 | MS88474 | STD | M009 | 10 | 1 | | | | OK | |
| C5 | je3156-2 | 7w11567 | MS88474 | STD | A864 | 10 | 1 | | | | OK | |
| C6 | je3156-3 | 7w11568 | MS88474 | STD | A279 | 200 | 1 | | | | OK | |
| D1 | je3182-3 | 7w11569 | MS88474 | NYLL | A2132 | 250 | 1 | | | | OK | |

## CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 1/6/2025 | BJK | JE2961-3 | TBAG | - | - | 1.00 | TBAG | 500 | 0.5 | - | - | 1000 | **1000** |
| | | | | | | | | | | | | | |
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# MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS9819 | 1/31/2025 | 100 |
| TO-15 STD | A1806 | AS10523 | 1/18/2025 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID:** **V7W414**
**Date:** **1/6/2025**
**Laboratory Analyst:** **Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250106.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
**Data Validator(s):** **Geralyn Gomez**
**Data Validator(s):** **Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

SGS

## MS AIR by GCMS ANALYSIS LOG

| Standard Information | | | | |
|---|---|---|---|---|
| **Description** | **SN** | **Lot Number** | **Expiration Date** | **Concentration (ppbv)** |
| Internal/Surrogate | 1738 | AS9819 | 1/31/2025 | 100 |
| TO-15 STD | A1806 | AS10523 | 1/18/2025 | 50 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TO-15 STD (Stock) | CC-267282 | AS10351 | 6/12/2025 | 1000 |

**Batch ID: V7W415**
**Date: 1/7/2025**
**Laboratory Analyst: Benjamin Kim**
Column DB-1: 30m x 0.25mm x 0.5um
GCMS Method: 7WTO15SPLIT.M
Sequence File: 7W20250107.S
Initial Calibration Method: M7W405.M
Concentrator Method: 7WTO15D.7200A.CTD
**Data Validator(s): Geralyn Gomez**
**Data Validator(s): Kristel Valladolid**

Manually integrated chromatographic peaks in the following reportable files have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

| ALS | Sample ID | Data File ID | MS Code | TEST CODE | Canister SN | Injection Volume (cc) | Dilution | TICS | Areas IS | Areas SS | STATUS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D8 | bfb | 7w11570 | | | OPEN | 400 | | | | | OK | T = 20:52 |
| 1-4 | cc405-10 | 7w11571 | | | A1806 | 80 | | | √ | √ | OK | |
| 1-4 | bs | 7w11572 | | | A1806 | 80 | | | | | OK | |
| 1-4 | bsd | 7w11573 | | | A1806 | 80 | | | | | OK | |
| 2-1 | ib | 7w11574 | | | A2036 | 400 | | | | | - | |
| 2-1 | mb | 7w11575 | | | A2036 | 400 | | + | | | OK | |
| 2-4 | scc,cp12955 | 7w11576 | | | A1616 | 400 | | | | | RR | Bad injection |
| D9 | je2961-3 | 7w11577 | MS88386 | STD+ | tbag,tbag | 40 | 1000 | + | | | RR/Too Dilute | RR = 80cc |
| 2-5 | scc,cp12953 | 7w11578 | | | A1738 | 400 | | | | | RR | Carryover |
| 2-3 | scc,cp12961 | 7w11579 | | | M147 | 400 | | | | | OK | |
| D9 | je2961-3 | 7w11580 | MS88386 | STD+ | tbag,tbag | 80 | 1000 | + | | | OK | |
| C6 | je3096-2 | 7w11581 | MS88599 | STD | A1171 | 400 | 1 | | | | OK/DL | RR = 10x |
| 2-14 | scc,cp12955 | 7w11582 | | | A1606 | 400 | | | | | RR | Carryover |
| 2-6 | je3433-1 | 7w11583 | MS88599 | STD | M004 | 400 | 1 | | | | OK | |
| 2-7 | je3433-2 | 7w11584 | MS88599 | STD | M404 | 400 | 1 | | | | OK | |
| 2-8 | je3433-3 | 7w11585 | MS88599 | STD | A1747 | 400 | 1 | | | | OK | |
| 2-8 | je3433-3dup | 7w11586 | MS88599 | STD | A1747 | 400 | 1 | | | | RR | Power Outage |
| 2-1 | ib | 7w11587 | | | A2036 | 400 | | | | | - | |
| 2-8 | je34331-3dup | 7w11588 | MS88599 | STD | A1747 | 400 | 1 | | | | OK | |
| C6 | je3096-2 | 7w11589 | MS88599 | STD | A1171 | 40 | 1 | | | | OK | |
| 2-15 | je2491-4 | 7w11590 | MS88104 | NYLL, NAP | A1688,M419 | 200 | 143 | | | | RR/Too Dilute | RR = 400cc |
| 2-9 | je3522-1 | 7w11591 | MS88628 | NYLL | A871 | 500 | 1 | | | | OK | ↑ F152A = NT |
| 2-10 | je3522-3 | 7w11592 | MS88628 | NYLL | A1334 | 500 | 1 | | | | RR/Too Dilute | ↑ Ethyl Acetate, RR = 4x |
| 2-11 | je3522-5 | 7w11593 | MS88628 | NYLL | A1285 | 500 | 1 | | | | RR/Overcal | ↑ Acetone, RR = 2x |
| 2-15 | je2491-4 | 7w11594 | MS88104 | NYLL, NAP | A1688,M419 | 400 | 143 | | | | OK | |

### CANISTER SECONDARY DILUTION LOG

| Pressure Gauge ID: TG - | | 5 | Original Canister Dilution | | | | Secondary Canister Dilution | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Date** | **Initial** | **Sample ID** | **Canister SN** | **Vacuum at Time of Dilution (inHg)** | **Final Pressure (psig)** | **Dilution Factor** | **Canister SN** | **Canister Volume (cc)** | **Sample Volume Added (cc)** | **Final Pressure (psig)** | **Equivalent Total Volume (cc)** | **Dilution Factor** | **Final Canister Dilution Factor** |
| 1/8/2025 | BJK | je2491-4 | A1688 | 7.0 | 1.30 | 1.43 | M419 | 1000 | 20 | 14.7 | 2000 | 100 | **143** |
| 1/6/2025 | BJK | JE2961-3 | TBAG | - | - | 1.00 | TBAG | 500 | 0.5 | - | - | 1000 | **1000** |

**Definition:** Final Canister Dilution Factor (DF) = (Original Canister DF) x (Secondary Canister DF)
Dilution Factor at Instrument = Final Canister Dilution Factor x [Nominal Sampling Volume (cc) / Sample Volume Injected (cc)]

**Example:** Original Canister is diluted 2x for manual sample draw. 75cc from this canister is added to a 375cc minican and brought to 14.7 psig (750cc equivalent volume). This results in an additional dilution of 750/75 or 10. The final canister dilution factor is 2 x 10 = 20. From the dilution canister, 20cc is injected at the instrument where normal volume is 400cc. This is an additional instrument dilution factor of 20. The final dilution multiplier is 20 (from canister dilution) and 20 (from instrument dilution) = 400.

**Notes:**

# Appendix E – Data Usability Summary Report

Groundwater & Environmental Services, Inc.

# *Data Usability Report for Regency*

## December 2024 Sampling Event

*Prepared for*

*Prepared by*

**Groundwater & Environmental Services**
**Environmental Informatics Group**
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January 2025

The GES Advantage

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# 1. Introduction

Groundwater & Environmental Services, Inc. (GES) is pleased to submit this data validation report regarding the sampling event conducted at the Shoprite Center during December 2024. Twenty (20) air samples were collected in 6-Liter Summa Canisters. The samples were sent to SGS located in Dayton, New Jersey. The samples were analyzed for Volatile Organic Compounds (VOCs) via EPA Method TO-15 using GC/MS in the Full Scan Mode.

The analytical results were validated using laboratory acceptance criteria, procedures and guidelines contained in the following documents: The United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines (NFG) for Organic Data Review (USEPA November, 2020). Also referenced for procedures were the Hazardous Waste Support Section EPA Method TO-15 data validation checklist (USEPA, 2016). Items reviewed were sample dilutions, instrument performance checks, system monitoring compounds, method blanks and equipment blanks, and duplicate analyses. Results were qualified as estimated detected ("J"), estimated high ("J+"), estimated low ("J-"), estimated non-detected ("UJ"), non-detect ("U"), or questionable ("X"), based on the guidelines referenced above.

The following sections outline the criteria which were evaluated for data validity.
Data Validation Qualifiers

Data validation qualifiers were assigned to various analytes due to compliance issues. **Table 1** lists the analytes, qualifiers, and compliance failures.

## Table 1. Data Qualifiers

| Sample ID | Analytes | Qualifier | Compliance Issue |
|---|---|---|---|
| OA-1<br>OA-2<br>SS-1<br>IA-1<br>SS-2<br>IA-2<br>SS-3<br>IA-3<br>SS-4<br>SS-5<br>SS-5/DUP SS<br>IA-5<br>SS-6<br>IA-6<br>IA-7<br>SS-8<br>IA-8 | Ethyl Acetate | J+ | High LCS/LCSD |
| SS-5<br>SS-5/DUP SS | Heptane | J+ | High LCS/LCSD |
| SS-3<br>SS-4 | Bromoform | UJ | Low LCS/LCSD |
| SS-1<br>IA-1<br>SS-2<br>IA-2<br>SS-3<br>SS-4<br>IA-7<br>SS-8<br>IA-8 | Acetone | J- | Low LCS/LCSD |
| SS-3<br>SS-4<br>IA-7<br>SS-8<br>IA-8 | 1,3-Butadiene<br>Bromomethane<br>Chloroethane | UJ | Low LCS/LCSD |
| SS-1<br>IA-1<br>SS-2<br>IA-2<br>SS-3<br>IA-3<br>SS-4<br>IA-7<br>SS-8<br>IA-8 | Ethanol | J- | Low LCS/LCSD |
| OA-2<br>SS-1<br>IA-1<br>SS-2<br>IA-2<br>IA-3 | Methyl Ethyl Ketone | J+ | High LCS/LCSD |

| Sample ID | Analytes | Qualifier | Compliance Issue |
|---|---|---|---|
| SS-4<br>SS-5<br>SS-5/DUP SS<br>IA-5<br>IA-5/DUP IA<br>IA-6<br>IA-7<br>SS-8<br>IA-8 | Methyl Ethyl Ketone | J+ | High LCS/LCSD |
| SS-5<br>SS-5/DUP SS | Methylmethacrylate | J+ | High LCS/LCSD |
| SS-1<br>IA-1<br>SS-2<br>SS-4<br>SS-5<br>SS-5/DUP SS<br>SS-8 | Vinyl Acetate | J+ | High LCS/LCSD |
| IA-1 | 1,3-Butadiene | J- | Low LCS/LCSD |
| IA-1 | Tetrahydrofuran | J+ | High LCS/LCSD |
| SS-5<br>SS-5/DUP SS<br>SS-6 | TBA | J+ | High LCS/LCSD |

**Notes:**
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

# 2. Sample Receipt

## 2.1. Pre-sampling Canister Preparation

All canisters used in the sampling were demonstrated by the laboratory to be clean and leak free prior to sample collection.

## 2.2. COC and Field Documentation

The COC and field documentation clearly noted the following required information:

- The Region where the samples were taken,
- The Case number,
- The complete list of samples with information on:
  - Sample locations
  - Sample matrix;
  - QC audit samples;
  - Shipping dates;
  - Laboratories involved.
  - Initial/final canister pressure

The COC documentation includes sample descriptions, date(s) of sampling, starting canister pressure, ending canister temperature and time, laboratory receipt pressure, and canister ID.

Review of the chain of custody (COC) form and log-in documentation indicates that all the samples were delivered by Federal Express (the courier used to deliver the samples to the laboratory). The samples were shipped appropriately; the pressure upon receipt was acceptable for the detection limits (DL) requested as noted in **Table 2**. There were no compliance issues noted at log-in.

**Table 2. Summary of Summa Canister Pressures**
**December 2024 Sampling Event**

| Sample Type | Sample Name | Lab SDG | Receipt Vac./Pres. | Acceptable Pressure? |
|---|---|---|---|---|
| **Soil Vapor Comp.** | SS-3 | JE2491-1 | 5 | Yes |
| **Indoor Air Comp.** | IA-3 | JE2491-2 | 6 | Yes |
| **Soil Vapor Comp.** | SS-4 | JE2491-3 | 5.5 | Yes |
| **Indoor Air Comp.** | IA-4 | JE2491-4 | 5 | Yes |
| **Soil Vapor Comp.** | SS-7 | JE2489-1 | 5 | Yes |
| **Indoor Air Comp.** | IA-7 | JE2489-2 | 5.5 | Yes |
| **Soil Vapor Comp.** | SS-8 | JE2489-3 | 6 | Yes |
| **Indoor Air Comp.** | IA-8 | JE2489-4 | 6 | Yes |
| **Soil Vapor Comp.** | SS-5 | JE2487-1 | 5 | Yes |
| **Indoor Air Comp.** | IA-5 | JE2487-2 | 4.5 | Yes |
| **Soil Vapor Comp.** | SS-6 | JE2487-3 | 4.5 | Yes |
| **Indoor Air Comp.** | IA-6 | JE2487-4 | 5.5 | Yes |
| **Soil Vapor Comp.** | DUP SS | JE2487-5 | 5.5 | Yes |
| **Indoor Air Comp.** | DUP IA | JE2487-6 | 6 | Yes |
| **Soil Vapor Comp.** | SS-1 | JE2490-1 | 6.5 | Yes |
| **Indoor Air Comp.** | IA-1 | JE2490-2 | 5.5 | Yes |
| **Soil Vapor Comp.** | SS-2 | JE2490-3 | 6 | Yes |
| **Indoor Air Comp.** | IA-2 | JE2490-4 | 2.5 | Yes |
| **Outdoor Comp.** | OA-1 | JE2488-1 | 3.5 | Yes |
| **Outdoor Comp.** | OA-2 | JE2488-2 | 1.5 | Yes |

# 3. Validation Criteria

## 3.1. Initial Calibration and Continuing Calibration Criteria

There were no calibration forms or information included in the data packages. The case narratives did not note any calibration non-compliances. Data is considered usable.

## 3.2. Evaluating Instrument Performance Check Results

GC/MS instrument performance check results were reported for each 12-hour period when samples were analyzed. Abundance acceptance criteria employed by SGS for performance check compound Bromofluorobenzene (BFB) met ion abundance acceptance criteria provided in Table 14 of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review as presented in **Table 3**. GES verified that ion abundance results were within each set of acceptance criteria provided in **Table 3**.

**Table 3: BFB Ion Abundance Acceptance Criteria**

| Mass | Ion Abundance Criteria |
|---|---|
| **50** | 8.0 to 40.0% of m/e 95 |
| **75** | 30.0 to 66.0% of m/e 95 |
| **95** | Base Peak, 100% Relative Abundance |
| **96** | 5.0 to 9.0% of m/e 95 |
| **173** | Less than 2.0% of m/e 174 |
| **174** | 50.0 to 120.0% of m/e 95 |
| **175** | 4.0 to 9.0% of m/e 174 |
| **176** | 93.0 to 101.0% of m/e 174 |
| **177** | 5.0 to 9.0% of m/e 176 |

## 3.3. Method Blank Samples

### 3.3.1. TO-15

One (1) Method TO-15 laboratory method blank was reported at the recommended frequency of one per analytical batch or one per 20 samples. Method blank results were reported as non-detect by the laboratory. Using raw data, GES verified that all analytes were non-detect in the method blank samples. No qualifications were required based on method blank results.

## 3.4. Laboratory Accuracy

Laboratory accuracy is a measure of system bias and can be measured by evaluating laboratory control samples and deuterated monitoring compounds (DMC) percent recoveries.

### 3.4.1. TO-15 LCS

One (1) LCS sample was analyzed with the samples reported using TO-15 methodology. The analytical laboratory had established in-house LCS performance criteria (recovery limits) for evaluation of LCS recovery results prior to analysis of samples. Percent recoveries for the analytes in the LCS had multiple recoveries both above and below the acceptable range of 70% to 130%.

For analytes with an elevated recovery, the sample data are qualified as estimated with a possible high bias (J+), if there is an above detection level concentration reported. Non-detect sample data is not affected by a possible high bias.

For analytes with a low recovery, the data, both detected and undetected are qualified as estimated with a possible low bias (UJ). See Table 1 for qualifications assigned to site data.

### 3.4.2. TO-15 Deuterated Monitoring Compounds

DMCs were run with the samples according to the USEPA Region 2 required usage of DMCs for Method TO-15 (USEPA Region 9, 2000). Although not required, the analytical laboratory established in-house performance criteria (recovery limits) for evaluation of DMC recovery results prior to analysis of samples. Upon review by GES personnel, all DMCs were verified to be within the laboratory-provided criteria for1,2-Dichloroethane-4-bromofluorobenzene (65% to 128%). No qualifications were required due to DMS recoveries.

## 3.5. Precision, Measured by Relative Percent Differences (RPDs)

The sample location SS-5 was collected in duplicate. The RPDs for the duplicate analysis were calculated for all analytes where both concentrations were greater than 5 times the reporting limit. The calculations and resultant RPDs are noted below.

**Table 4A. Field Duplicate Precision**
**December 2024 Sampling Event**

| Analyte | Dup-1 | SS-5 | RPD <30% | Acceptable? Yes/No |
|---|---|---|---|---|
| Acetone (2-Propanone) | 42.8 | 41.8 | 2.4 | Yes |
| Benzene | 0.47 | 0.50 | NC | Yes |
| Chloromethane | ND | 0.39 | NC | Yes |
| Carbon tetrachloride | ND | 0.095 | NC | Yes |
| Dichlorodifluoromethane | 0.55 | 0.52 | NC | Yes |
| trans-1,2-Dichloroethylene | 0.20 | ND | NC | Yes |
| cis-1,2-Dichloroethylene | 0.14 | 0.15 | 6.9 | Yes |
| m-Dichlorobenzene | 0.45 | 0.41 | 9.3 | Yes |
| Ethanol | 308 E | 299 E | NC | Yes |
| Ethyl Acetate | 3.2 | 20.2 | 145.3 | No |
| Heptane | 0.36 | 0.34 | NC | Yes |
| Hexane | 0.60 | 1.1 | 58.8 | Yes |
| 2-Hexanone | 0.21 | 0.24 | NC | Yes |
| Isopropyl Alcohol | 74.6 | 71.3 | 4.5 | Yes |
| Methylene chloride | 0.60 | 1.2 | NC | Yes |
| Methyl ethyl ketone | 2.8 | 2.8 | 0.0 | Yes |
| Methyl Isobutyl Ketone | 0.22 | 0.26 | NC | Yes |
| Methylmethacrylate | 1.3 | 1.2 | 8.0 | Yes |
| 2,2,4-Trimethylpentane | ND | 0.20 | NC | Yes |
| Tertiary Butyl Alcohol | 4.9 | 4.5 | 8.5 | Yes |
| Tetrachloroethylene | 1.8 | 1.8 | 0.0 | Yes |
| Toluene | 0.66 | 0.88 | NC | Yes |
| Trichloroethylene | 4.5 | 4.2 | 6.9 | Yes |
| Trichlorofluoromethane | 3.0 | 3.0 | 0.0 | Yes |
| Vinyl Acetate | 1.0 | 2.2 | 75.0 | No |
| m,p-Xylene | 0.30 | 0.36 | NC | Yes |
| Xylenes (total) | 0.42 | 0.51 | NC | Yes |

Concentrations are in parts per billion by volume (ppbv).
NC: not calculated
ND: not detected
E: above calibration range, concentration is not accurate or precise

The sample location IA-5 was collected in duplicate. The RPDs for the duplicate analysis were calculated for all analytes where both concentrations were greater than 5 times the reporting limit. The calculations and resultant RPDs are noted below.

**Table 4B. Field Duplicate Precision**
**December 2024 Sampling Event**

| Analyte | DUP IA | IA-5 | RPD <30% | Acceptable? Yes/No |
|---|---|---|---|---|
| Acetone (2-Propanone) | 78.3 | 97.7 | 22.0 | Yes |
| Benzene | 0.71 | 0.72 | 1.4 | Yes |
| Chloromethane | 0.42 | 0.43 | NC | Yes |
| Carbon tetrachloride | 0.095 | 0.092 | NC | Yes |
| Cyclohexane | 0.18 | 0.18 | NC | Yes |
| Dichlorodifluoromethane | 0.50 | 0.50 | NC | Yes |
| Ethanol | 446 E | 487 E | NC | Yes |
| Ethylbenzene | 0.20 | 0.20 | NC | Yes |
| Ethyl Acetate | 5.0 | 7.2 | 36.1 | Yes |
| Freon 113 | ND | 0.083 | NC | Yes |
| Heptane | 0.44 | 0.43 | NC | Yes |
| Hexane | 0.71 | 0.87 | 20.3 | Yes |
| Isopropyl Alcohol | 28.6 | 27.8 | 2.8 | Yes |
| Methylene chloride | 0.48 | 0.61 | NC | Yes |
| Methyl ethyl ketone | 0.67 | 0.84 | 22.5 | Yes |
| Methylmethacrylate | 11.5 | 9.7 | 17.0 | Yes |
| Naphthalene | ND | 0.27 | NC | Yes |
| 1,2,4-Trichlorobenzene | ND | 0.25 | NC | Yes |
| 1,2,4-Trimethylbenzene | 0.19 | 0.17 | NC | Yes |
| 2,2,4-Trimethylpentane | 0.34 | 0.36 | NC | Yes |
| Tertiary Butyl Alcohol | 0.58 | 0.95 | NC | Yes |
| Tetrachloroethylene | 0.032 | 0.046 | NC | Yes |
| Toluene | 1.0 | 1.1 | 9.5 | Yes |
| Trichloroethylene | ND | 0.055 | NC | Yes |
| Trichlorofluoromethane | 0.39 | 0.39 | 0.0 | Yes |
| m,p-Xylene | 0.53 | 0.51 | NC | Yes |
| o-Xylene | 0.20 | 0.19 | NC | Yes |
| Xylenes (total) | 0.73 | 0.70 | 4.2 | Yes |

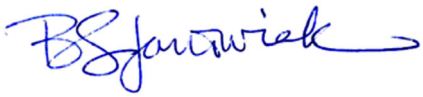
Concentrations are in parts per billion by volume (ppbv).
NC: not calculated
ND: not detected
E: above calibration range, concentration is not accurate or precise

*Laboratory duplicates using site samples, where analyte concentrations fell within the calibration range and were at least 5x the RL, had precision reported within laboratory criteria. No qualifiers were required.*

# 4. Data Package Completeness

NYSDEC Category B deliverables were included in the laboratory data package. Everything needed to perform the data validation was available.

Please do not hesitate to contact me if you have comments or questions regarding this report.



Bonnie Janowiak, Ph.D.

NRCC Environmental Chemist

# Appendix F – NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

# Soil Vapor/Indoor Air Matrix A

May 2017

**Analytes Assigned:**
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*-1,2-DCE), 1,1-Dichloroethene (1,1-DCE), Carbon Tetrachloride

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | | |
|---|---|---|---|
| **SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 0.2 | 0.2 to < 1 | 1 and above |
| < 6 | 1. No further action | 2. No Further Action | 3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 6 to < 60 | 4. No further action | 5. MONITOR | 6. MITIGATE |
| 60 and above | 7. MITIGATE | 8. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

## ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix B

May 2017

**Analytes Assigned:**
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | | |
|---|---|---|---|
| **SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 3 | 3 to < 10 | 10 and above |
| < 100 | 1. No further action | 2. No Further Action | 3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 100 to < 1,000 | 4. No further action | 5. MONITOR | 6. MITIGATE |
| 1,000 and above | 7. MITIGATE | 8. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

## ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix C

May 2017

**Analytes Assigned:**
Vinyl Chloride

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | |
|---|---|---|
| **SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 0.2 | 0.2 and above |
| < 6 | 1. No further action | 3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE |
| 6 to < 60 | 4. MONITOR | 6. MITIGATE |
| 60 and above | 7. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) and Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

# ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix D

February 2024

**Analytes Assigned:**
Benzene, ethylbenzene, naphthalene, cyclohexane, isooctane (2,2,4-trimethylpentane), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, *o*-xylene

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | | |
|---|---|---|---|
| **SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 2 | 2 to < 10 | 10 and above |
| < 60 | 1. No further action | 2. No Further Action | 3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE |
| 60 to < 600 | 4. No further action | 5. MONITOR | 6. MITIGATE |
| 600 and above | 7. MITIGATE | 8. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) or Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

## ADDITIONAL NOTES FOR MATRIX D

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix E

February 2024

**Analytes Assigned:**
*m*-xylene, *p*-xylene, heptane, hexane

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | | |
|---|---|---|---|
| **SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 6 | 6 to < 20 | 20 and above |
| < 200 | 1. No further action | 2. No Further Action | 3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE |
| 200 to < 2,000 | 4. No further action | 5. MONITOR | 6. MITIGATE |
| 2,000 and above | 7. MITIGATE | 8. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) or Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

## ADDITIONAL NOTES FOR MATRIX E

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

# Soil Vapor/Indoor Air Matrix F

February 2024

**Analytes Assigned:**
Toluene

| | **INDOOR AIR CONCENTRATION of COMPOUND (mcg/m$^3$)** | | |
|---|---|---|---|
| **UB- LAB VAPOR CONCENTRATION of COMPOUND (mcg/m$^3$)** | < 10 | 10 to < 50 | 50 and above |
| < 300 | 1. No further action | 2. No Further Action | 3. IDENTIFY SOURCE(S) or RESAMPLE or MITIGATE |
| 300 to < 3,000 | 4. No further action | 5. MONITOR | 6. MITIGATE |
| 3,000 and above | 7. MITIGATE | 8. MITIGATE | 9. MITIGATE |

**mcg/m$^3$ = micrograms per cubic meter**

**No further action:** No additional actions are recommended to address human exposures.

**Identify Source(s) or Resample or Mitigate:** We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

**Monitor:** We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation, and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**Mitigate:** We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building -specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

**These general recommendations are made with consideration being given to the additional notes on page 2.**

## ADDITIONAL NOTES FOR MATRIX F

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.